Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-37.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 3:46 am
Operator : pest7:ht
Sample : cicv1248,42e,,9819
Misc : wg1381533, (Sig #1); wg1381511, (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:05:37 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					2454.235	2445.515
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

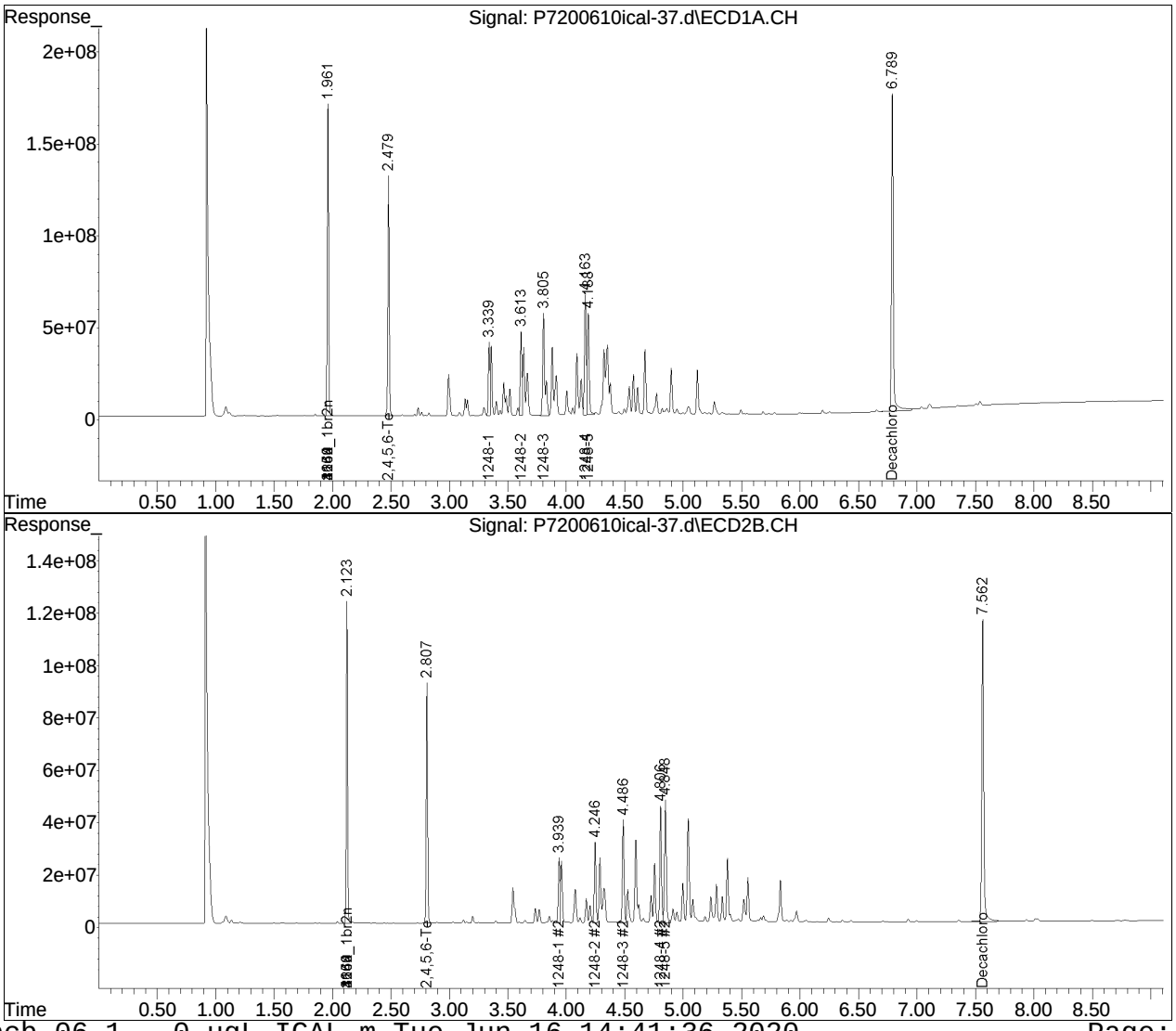
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-37.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 3:46 am
Operator : pest7:ht
Sample : cicv1248,42e,,9819
Misc : wg1381533, (Sig #1); wg1381511, (Sig #2)
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:05:37 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

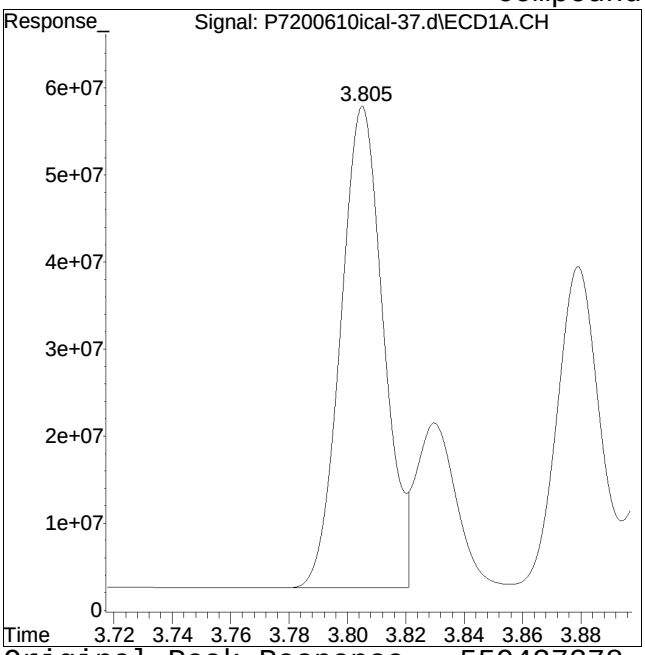


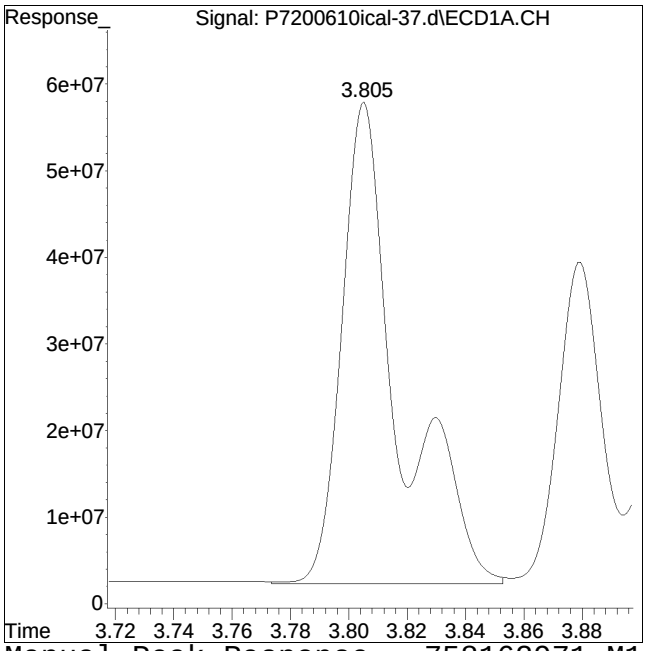
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-37.d
Date Inj'd : 6/11/2020 3:46 am
Sample : cicv1248,42e,,9819

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 0:04 am

Compound #37: 1248-3





Original Peak Response = 559437378 Manual Peak Response = 758162971 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 11 Jun 2020   4:11 am
Operator : pest7:ht
Sample   : cicv1660,42e,,9815
Misc   : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 37 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:07:11 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	250.000	250.000	0.0	107	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	160.000	154.384	3.5	105	0.00
3	s	Decachlorobiphenyl	320.000	300.870	6.0	107	0.00
4	l1	1016-1	2500.000	2225.169	11.0	100	0.00
5	l1	1016-2	2500.000	2392.294	4.3	108	0.00
6	l1	1016-3	2500.000	2450.769	2.0	110	0.00
7	l1	1016-4	2500.000	2427.003	2.9	108	0.00
8	l1	1016-5	2500.000	2353.605	5.9	105	0.00
9	l2	1260-1	2500.000	2325.005	7.0	103	0.00
10	l2	1260-2	2500.000	2410.774	3.6	107	0.00
11	l2	1260-3	2500.000	2003.172	19.9	88	0.00
12	l2	1260-4	2500.000	2065.481	17.4	89	0.00
13	l2	1260-5	2500.000	2132.919	14.7	94	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	98	0.00
23	i	4268_1br2nb	250.000	250.000	0.0	102	0.10
34	i	1248_1br2nb	250.000	250.000	0.0	97	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	100	0.10

Signal #2

1	i	1660_1br2nb	250.000	250.000	0.0	108	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	160.000	153.785	3.9	105	0.00
3	s	Decachlorobiphenyl	320.000	300.336	6.1	105	0.00
4	l1	1016-1	2500.000	2201.508	11.9	101	0.00
5	l1	1016-2	2500.000	2364.491	5.4	108	0.00
6	l1	1016-3	2500.000	2452.703	1.9	109	0.00

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 11 Jun 2020   4:11 am
Operator : pest7:ht
Sample   : cicv1660,42e,,9815
Misc   : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 37 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:07:11 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
7	l1	1016-4	2500.000	2414.737	3.4	108	0.00
8	l1	1016-5	2500.000	2369.651	5.2	107	0.00
9	l2	1260-1	2500.000	2390.271	4.4	107	0.00
10	l2	1260-2	2500.000	2308.943	7.6	103	0.00
11	l2	1260-3	2500.000	2121.026	15.2	94	0.00
12	l2	1260-4	2500.000	2053.638	17.9	89	0.00
13	l2	1260-5	2500.000	2139.955	14.4	95	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	97	0.00
23	i	4268_1br2nb	250.000	250.000	0.0	103	0.25
34	i	1248_1br2nb	250.000	250.000	0.0	96	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	100	0.25

Evaluate Continuing Calibration Report - Not Founds

15	l3	1221-2	2500.000	0.000	100.0#	0	-2.60#
16	l3	1221-3	2500.000	0.000	100.0#	0	-2.71#
17	l3	1221-4	2500.000	0.000	100.0#	0	-2.74#
18	l4	1254-1	2500.000	0.000	100.0#	0	-4.13#
19	l4	1254-2	2500.000	0.000	100.0#	0	-4.35#
20	l4	1254-3	2500.000	0.000	100.0#	0	-4.68#
21	l4	1254-4	2500.000	0.000	100.0#	0	-4.91#
22	l4	1254-5	2500.000	0.000	100.0#	0	-5.27#
24	l6	1242-1	2500.000	0.000	100.0#	0	-2.51#
25	l6	1242-2	2500.000	0.000	100.0#	0	-2.72#
26	l6	1242-3	2500.000	0.000	100.0#	0	-3.03#
27	l6	1242-4	2500.000	0.000	100.0#	0	-3.41#
28	l6	1242-5	2500.000	0.000	100.0#	0	-3.73#

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 11 Jun 2020   4:11 am
Operator : pest7:ht
Sample   : cicv1660,42e,,9815
Misc   : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 37 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:07:11 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
29	l9	1268-1	2500.000	0.000	100.0#	0	-5.49#
30	l9	1268-2	2500.000	0.000	100.0#	0	-5.51#
31	l9	1268-3	2500.000	0.000	100.0#	0	-5.65#
32	l9	1268-4	2500.000	0.000	100.0#	0	-5.88#
33	l9	1268-5	2500.000	0.000	100.0#	0	-6.07#
35	l7	1248-1	2500.000	0.000	100.0#	0	-3.35#
36	l7	1248-2	2500.000	0.000	100.0#	0	-3.62#
37	l7	1248-3	2500.000	0.000	100.0#	0	-3.81#
38	l7	1248-4	2500.000	0.000	100.0#	0	-4.17#
39	l7	1248-5	2500.000	0.000	100.0#	0	-4.20#
41	l5	1232-1	2500.000	0.000	100.0#	0	-2.51#
42	l5	1232-2	2500.000	0.000	100.0#	0	-2.72#
43	l5	1232-3	2500.000	0.000	100.0#	0	-3.03#
44	l5	1232-4	2500.000	0.000	100.0#	0	-3.41#
45	l5	1232-5	2500.000	0.000	100.0#	0	-3.73#
46	l8	1262-1	2500.000	0.000	100.0#	0	-4.57#
47	l8	1262-2	2500.000	0.000	100.0#	0	-4.87#
48	l8	1262-3	2500.000	0.000	100.0#	0	-5.04#
49	l8	1262-4	2500.000	0.000	100.0#	0	-5.26#
50	l8	1262-5	2500.000	0.000	100.0#	0	-5.88#

Signal #2

15	l3	1221-2	2500.000	0.000	100.0#	0	-3.04#
16	l3	1221-3	2500.000	0.000	100.0#	0	-3.15#
17	l3	1221-4	2500.000	0.000	100.0#	0	-3.21#
18	l4	1254-1	2500.000	0.000	100.0#	0	-4.85#
19	l4	1254-2	2500.000	0.000	100.0#	0	-5.00#
20	l4	1254-3	2500.000	0.000	100.0#	0	-5.38#
21	l4	1254-4	2500.000	0.000	100.0#	0	-5.56#
22	l4	1254-5	2500.000	0.000	100.0#	0	-5.98#

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 11 Jun 2020   4:11 am
Operator : pest7:ht
Sample   : cicv1660,42e,,9815
Misc   : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 37 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:07:11 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
24	l6 1242-1	2500.000	0.000	100.0#	0	-2.73#
25	l6 1242-2	2500.000	0.000	100.0#	0	-2.99#
26	l6 1242-3	2500.000	0.000	100.0#	0	-3.32#
27	l6 1242-4	2500.000	0.000	100.0#	0	-3.77#
28	l6 1242-5	2500.000	0.000	100.0#	0	-4.08#
29	l9 1268-1	2500.000	0.000	100.0#	0	-5.86#
30	l9 1268-2	2500.000	0.000	100.0#	0	-5.89#
31	l9 1268-3	2500.000	0.000	100.0#	0	-6.05#
32	l9 1268-4	2500.000	0.000	100.0#	0	-6.24#
33	l9 1268-5	2500.000	0.000	100.0#	0	-6.45#
35	l7 1248-1	2500.000	0.000	100.0#	0	-3.95#
36	l7 1248-2	2500.000	0.000	100.0#	0	-4.25#
37	l7 1248-3	2500.000	0.000	100.0#	0	-4.49#
38	l7 1248-4	2500.000	0.000	100.0#	0	-4.81#
39	l7 1248-5	2500.000	0.000	100.0#	0	-4.86#
41	l5 1232-1	2500.000	0.000	100.0#	0	-2.73#
42	l5 1232-2	2500.000	0.000	100.0#	0	-2.99#
43	l5 1232-3	2500.000	0.000	100.0#	0	-3.32#
44	l5 1232-4	2500.000	0.000	100.0#	0	-3.77#
45	l5 1232-5	2500.000	0.000	100.0#	0	-4.08#
46	l8 1262-1	2500.000	0.000	100.0#	0	-4.91#
47	l8 1262-2	2500.000	0.000	100.0#	0	-5.24#
48	l8 1262-3	2500.000	0.000	100.0#	0	-5.44#
49	l8 1262-4	2500.000	0.000	100.0#	0	-5.62#
50	l8 1262-5	2500.000	0.000	100.0#	0	-7.13#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 4:11 am
Operator : pest7:ht
Sample : cicv1660,42e,,9815
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ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:07:11 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.963	2.125	1275.8E6	873.5E6	250.000	250.000
14) i	2154_1br2nb	1.963	2.125	1275.8E6	873.5E6	250.000	250.000
23) i	4268_1br2nb	1.963	2.125	1275.8E6	873.5E6	250.000	250.000
34) i	1248_1br2nb	1.963	2.125	1275.8E6	873.5E6	250.000	250.000
40) i	3262_1br2nb	1.963	2.125	1275.8E6	873.5E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.482	2.810	1021.2E6	728.6E6	154.384	153.785
	Spiked Amount 500.000	Range 30 - 150		Recovery =		30.88%	30.76%
3) s	Decachlorobi	6.795	7.573	1781.8E6	1308.5E6	300.870	300.336
	Spiked Amount 500.000	Range 30 - 150		Recovery =		60.17%	60.07%
	Target Compounds						
4) l1	1016-1	2.736	3.201	281.0E6	195.1E6	2225.169	2201.508
5) l1	1016-2	2.996	3.545	660.4E6	467.0E6	2392.294	2364.491M1
6) l1	1016-3	3.361	3.961	1384.9E6	959.1E6	2450.769M1	2452.703M1
7) l1	1016-4	3.468	4.081	571.2E6	367.6E6	2427.003	2414.737
8) l1	1016-5	3.809	4.490	607.1E6	302.3E6	2353.605M1	2369.651
Sum	1016-1			3504.7E6	2291.0E6	11848.840	11803.089
Average	1016-1					2369.768	2360.618
9) l2	1260-1	4.824	5.534	851.0E6	632.9E6	2325.005	2390.271
10) l2	1260-2	5.045	5.690	1311.7E6	738.8E6	2410.774	2308.943
11) l2	1260-3	5.549	6.264	715.2E6	566.1E6	2003.172	2121.026
12) l2	1260-4	5.783	6.441	1518.8E6	1134.2E6	2065.481	2053.638
13) l2	1260-5	5.998	6.716	1152.7E6	783.1E6	2132.919M1	2139.955
Sum	1260-1			5549.3E6	3855.2E6	10937.351	11013.833
Average	1260-1					2187.470	2202.767
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 4:11 am
Operator : pest7:ht
Sample : cicv1660,42e,,9815
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:07:11 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 4:11 am
Operator : pest7:ht
Sample : cicv1660,42e,,9815
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:07:11 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

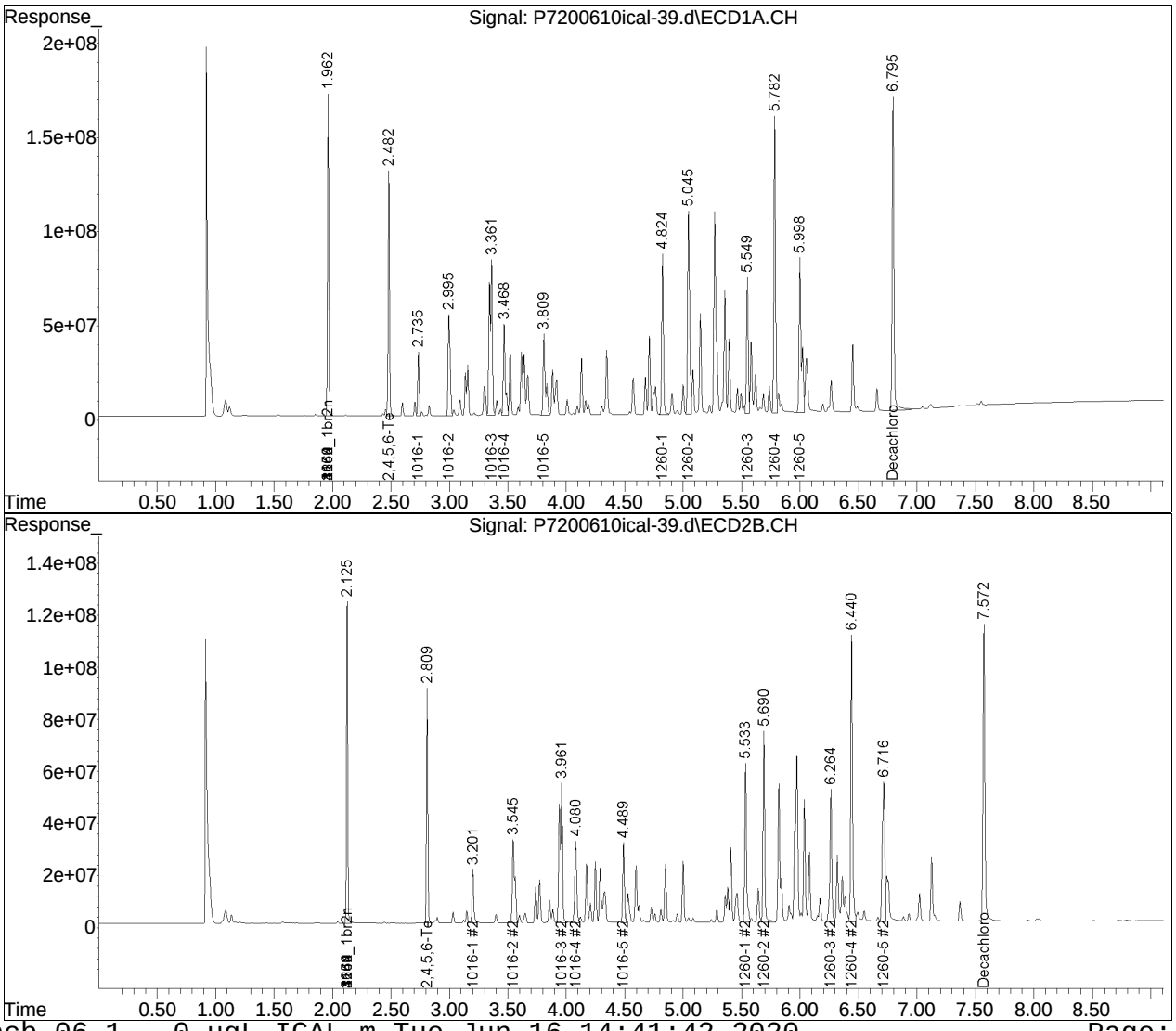
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-39.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 4:11 am
Operator : pest7:ht
Sample : cicv1660,42e,,9815
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 00:07:11 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

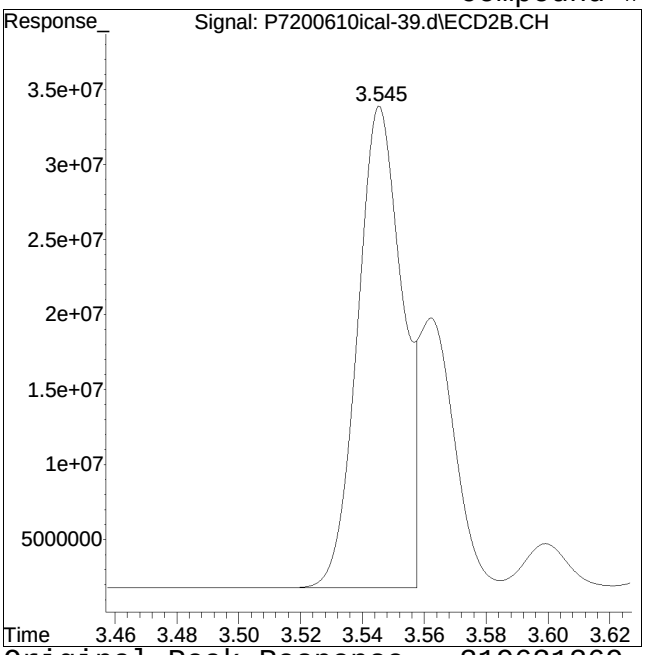


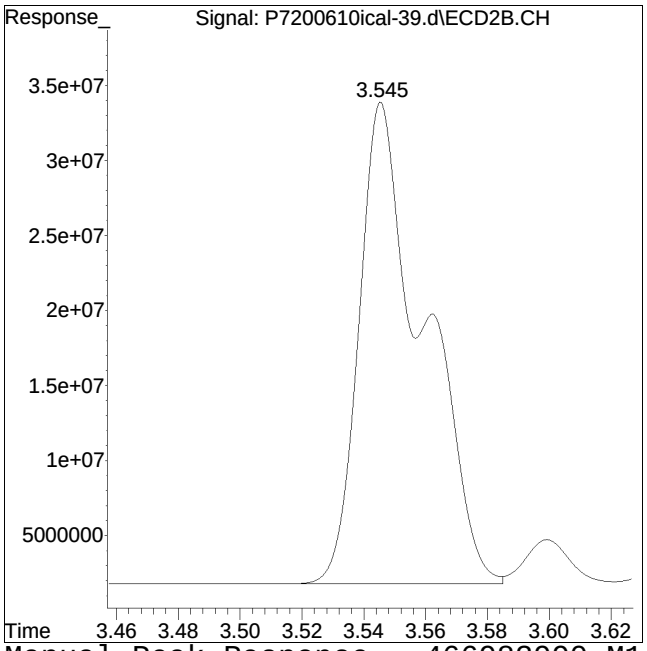
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-39.d
Date Inj'd : 6/11/2020 4:11 am
Sample : cicv1660,42e,,9815

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 0:05 am

Compound #56: 1016-2 #2





Original Peak Response = 319631369 Manual Peak Response = 466983990 M1

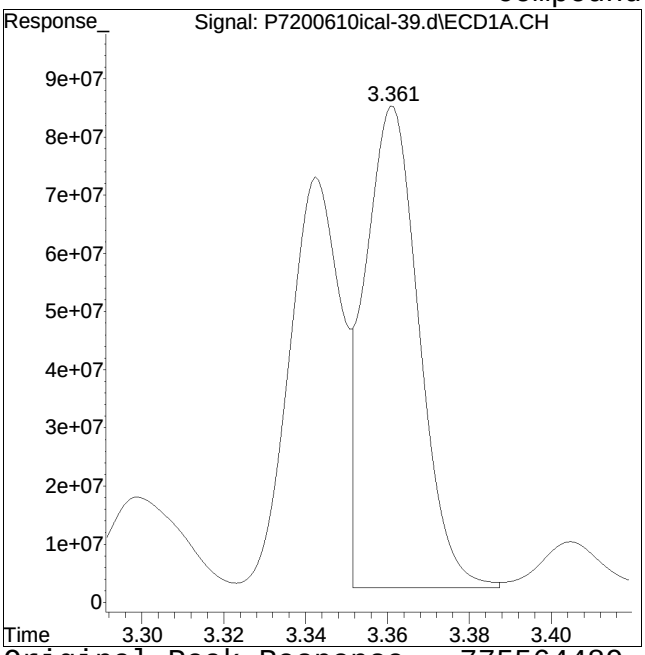
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

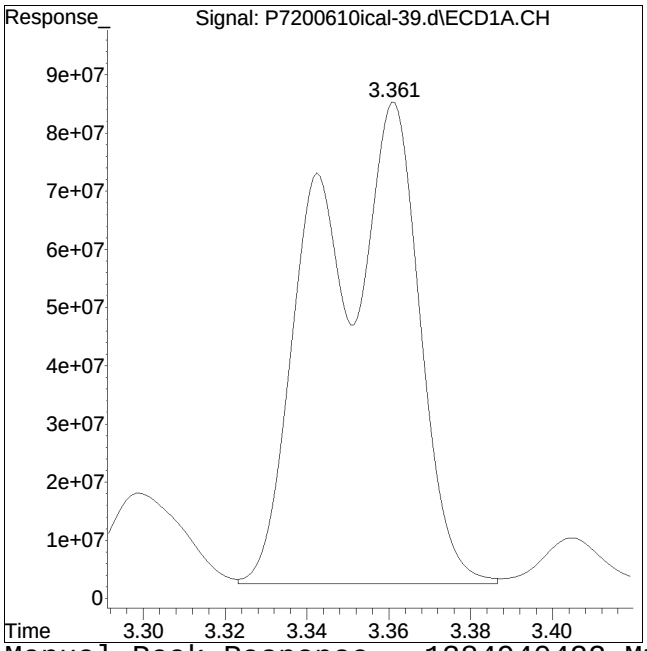
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-39.d
Date Inj'd : 6/11/2020 4:11 am
Sample : cicv1660,42e,,9815

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 0:05 am

Compound #6: 1016-3





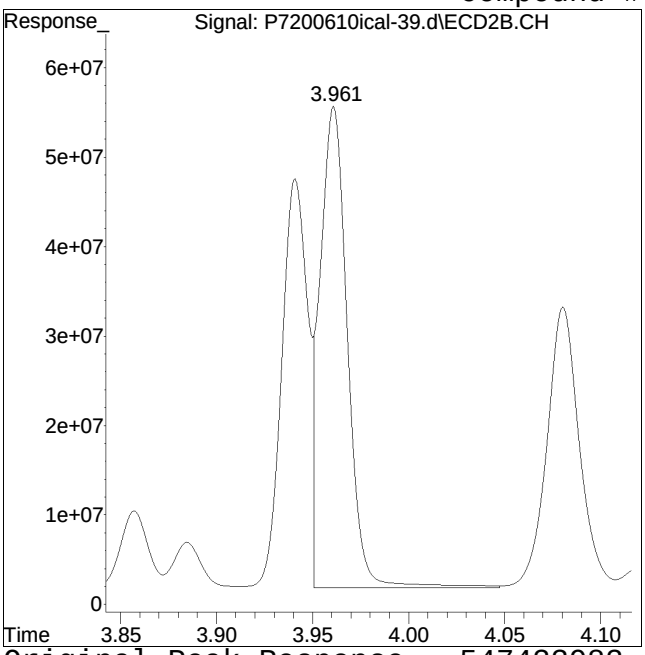
Original Peak Response = 775564489 Manual Peak Response = 1384940422 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

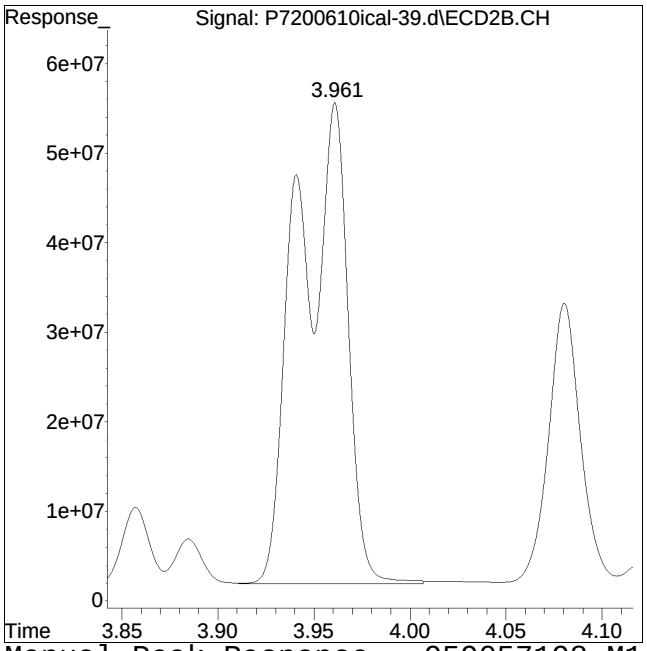
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-39.d
Date Inj'd : 6/11/2020 4:11 am
Sample : cicv1660,42e,,9815

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 0:05 am

Compound #57: 1016-3 #2





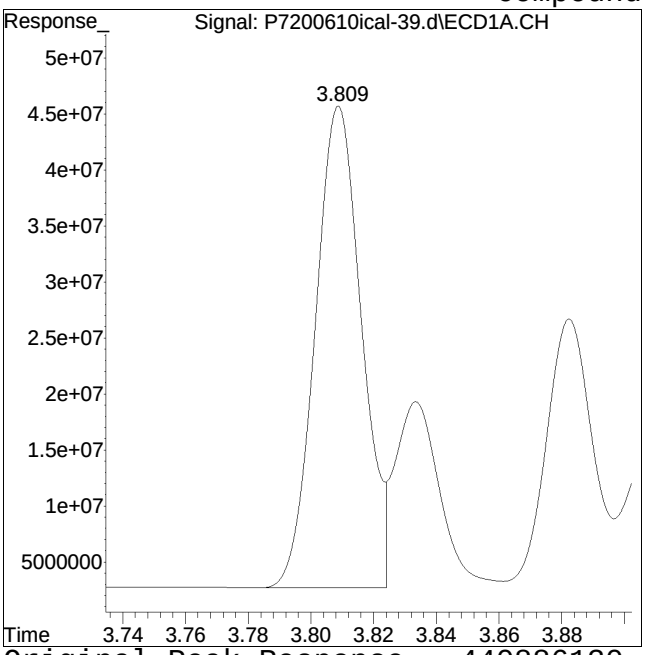
Original Peak Response = 547433983 Manual Peak Response = 959057198 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

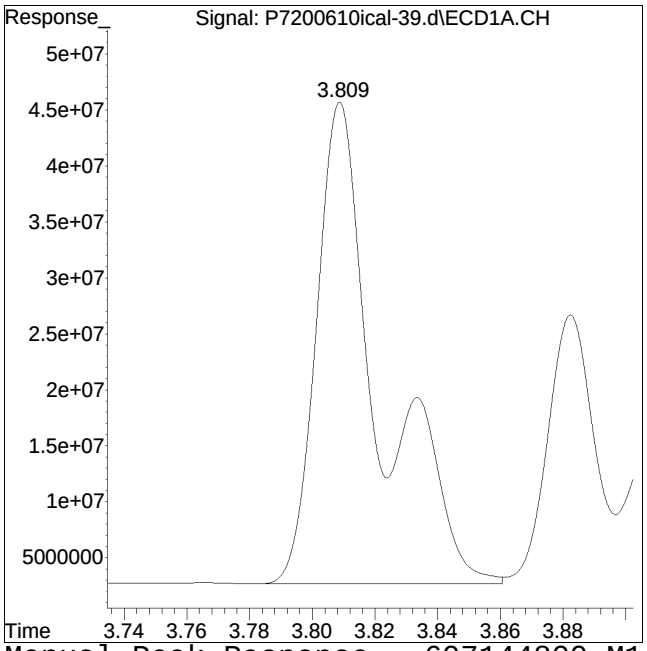
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-39.d
Date Inj'd : 6/11/2020 4:11 am
Sample : cicv1660,42e,,9815

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 0:05 am

Compound #8: 1016-5





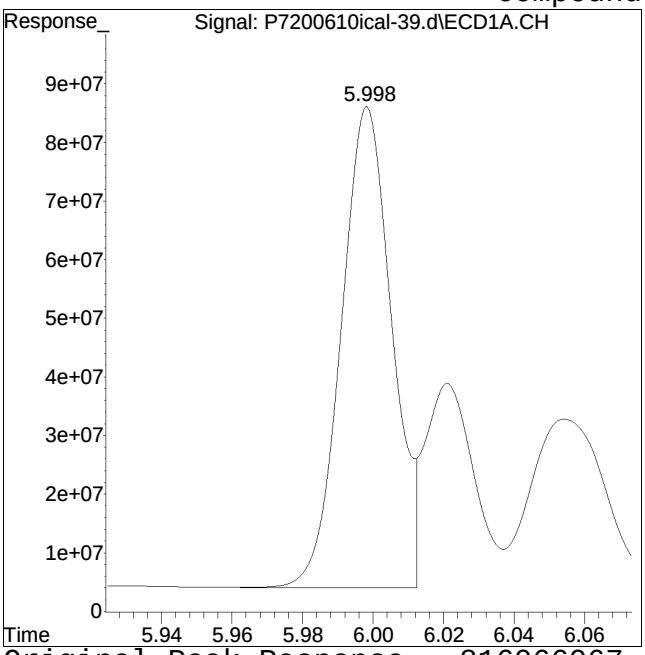
Original Peak Response = 440886130 Manual Peak Response = 607144800 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

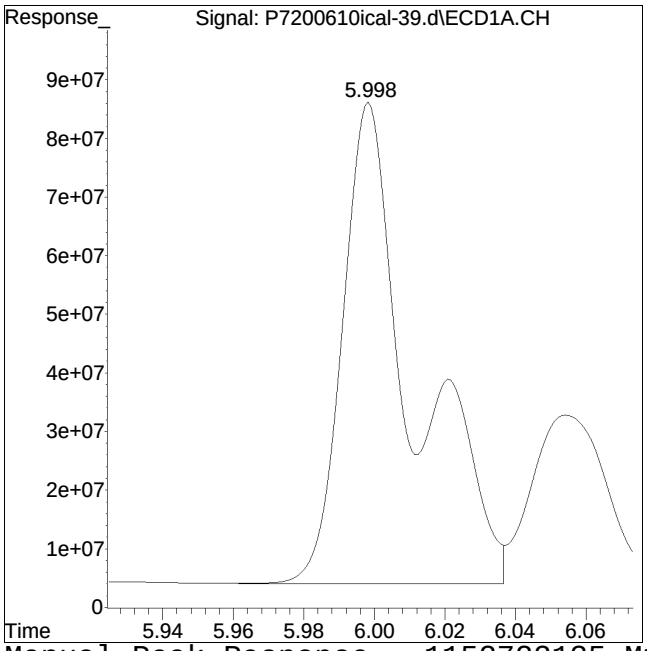
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-39.d
Date Inj'd : 6/11/2020 4:11 am
Sample : cicv1660,42e,,9815

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 0:05 am

Compound #13: 1260-5





Original Peak Response = 816066967 Manual Peak Response = 1152722135 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-41.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 11:30 pm
Operator : pest7:ht
Sample : il14268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:37:05 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.960	2.122	1253.7E6	847.1E6	250.000	250.000
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-41.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 11:30 pm
Operator : pest7:ht
Sample : il14268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:37:05 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	2.732	3.197	12621954	8997745	144.366	146.888
25) l6	1242-2	2.992	3.542	27969946	20107473	143.667	142.822
26) l6	1242-3	3.357	3.956	55375845	35999855	138.815M1	130.674M1
27) l6	1242-4	3.464	4.076	22935389	14630276	137.292M1	135.821
28) l6	1242-5	4.162	4.805	17160873	11680835	126.748	127.662
Sum	1242-1			136.1E6	91416184	690.888	683.868
Average	1242-1					138.178	136.774
29) l9	1268-1	6.018	6.701	99293909	69114407	123.188	115.531
30) l9	1268-2	6.048	6.737	102.0E6	77333149	125.339	128.503
31) l9	1268-3	6.192	6.926	79244768	57044322	121.687	118.798
32) l9	1268-4	6.448	7.121	28500858	26892663	95.984	122.405
33) l9	1268-5	6.654	7.363	228.1E6	173.3E6	118.515	116.123
Sum	1268-1			537.1E6	403.7E6	N.D.	N.D. D
Average	1268-1					116.943	120.272
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-41.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 11:30 pm
Operator : pest7:ht
Sample : il14268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:37:05 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

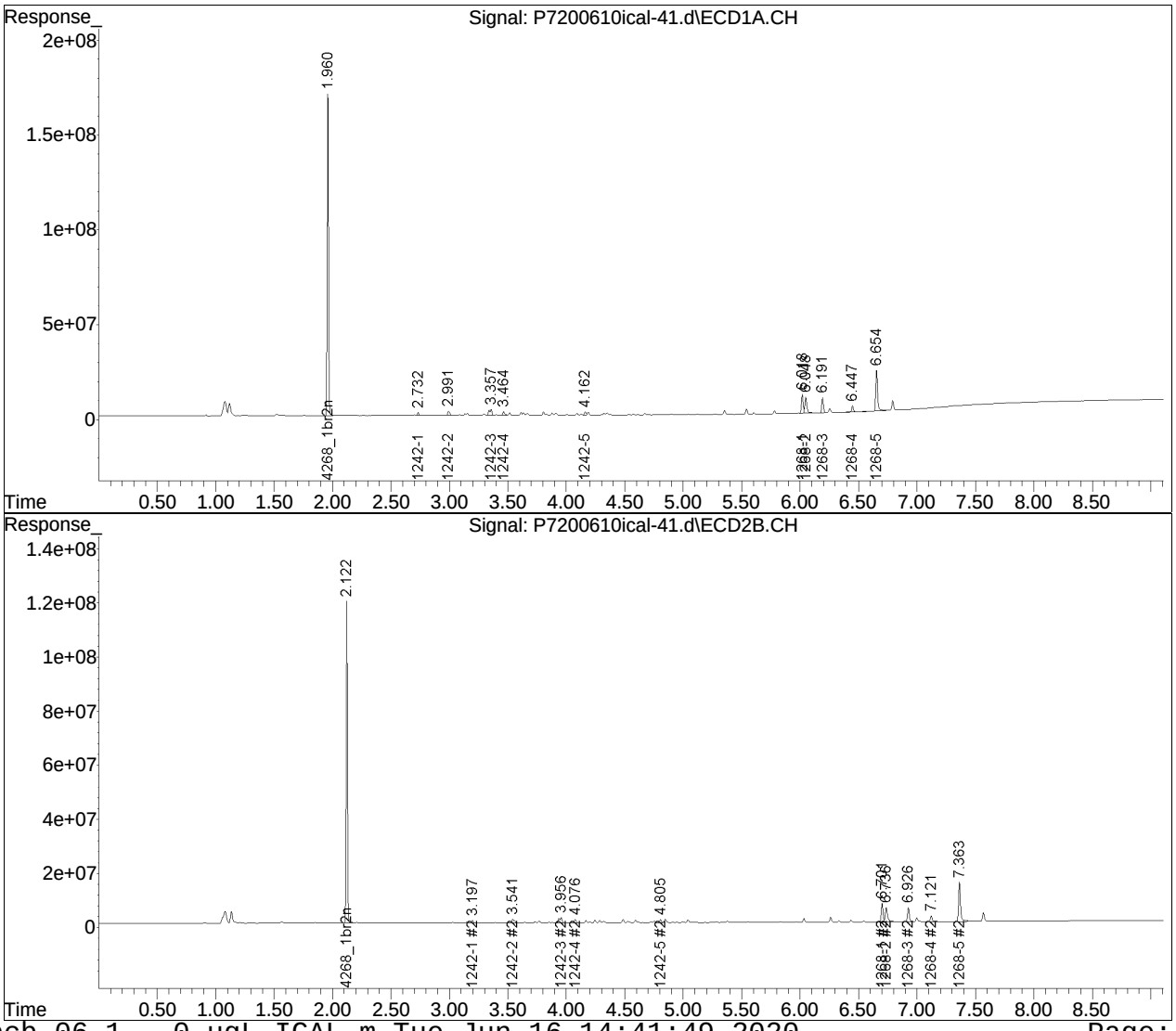
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-41.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 11:30 pm
Operator : pest7:ht
Sample : il14268,42e,,9831
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:37:05 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 00:03:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

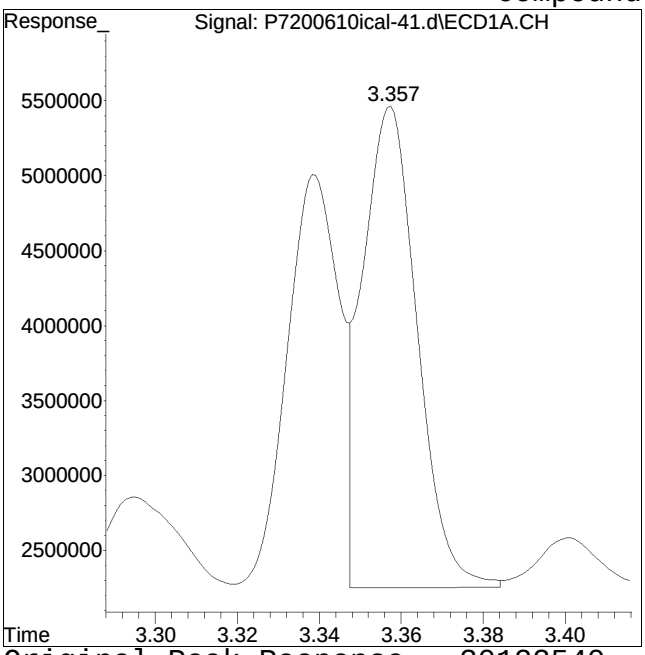


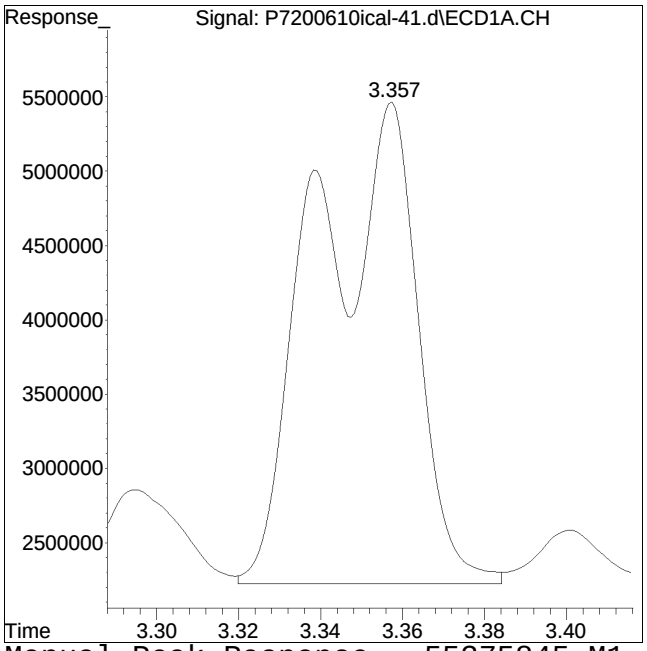
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-41.d
Date Inj'd : 6/11/2020 11:30 pm
Sample : il14268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 8:27 pm

Compound #26: 1242-3





Original Peak Response = 30122540 Manual Peak Response = 55375845 M1

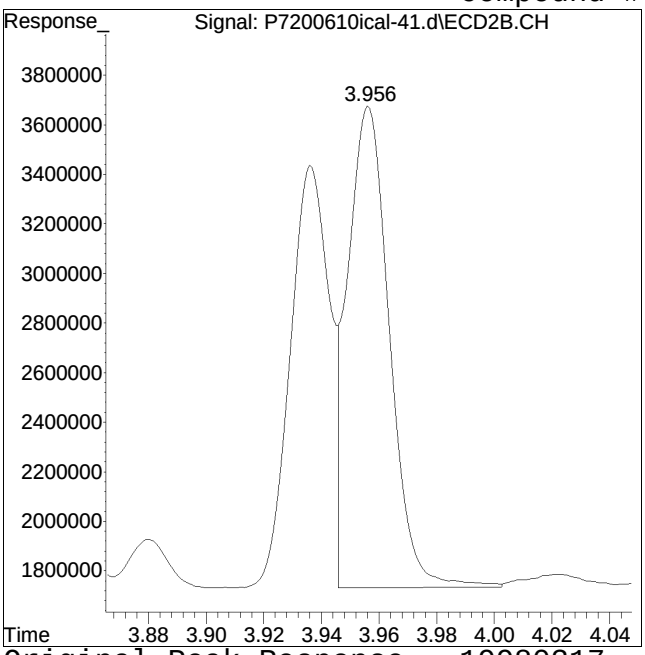
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

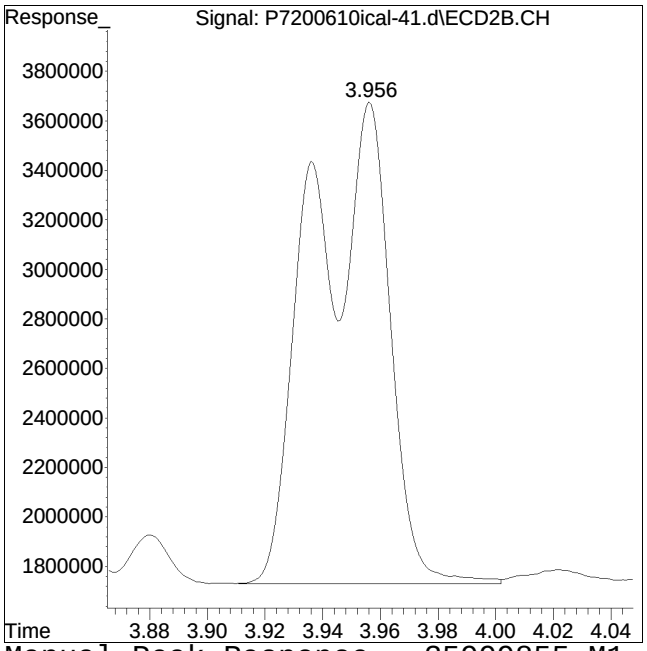
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-41.d
Date Inj'd : 6/11/2020 11:30 pm
Sample : il14268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 8:27 pm

Compound #77: 1242-3 #2





Original Peak Response = 19980317 Manual Peak Response = 35999855 M1

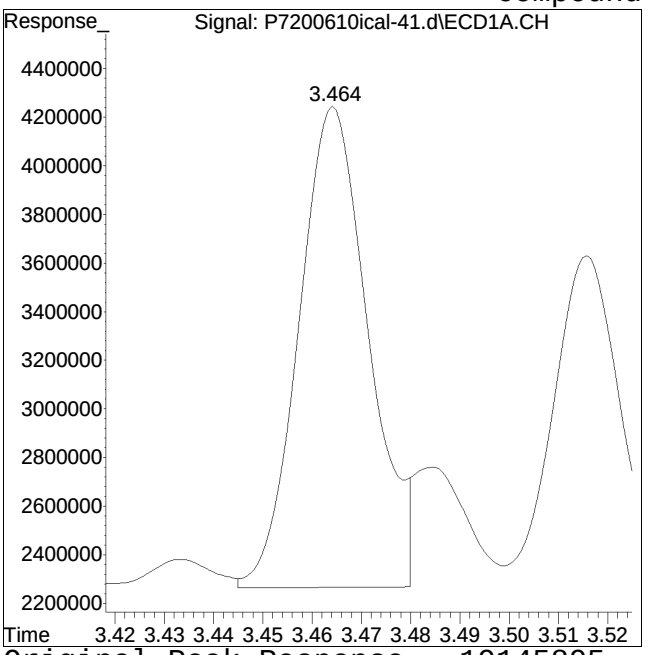
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

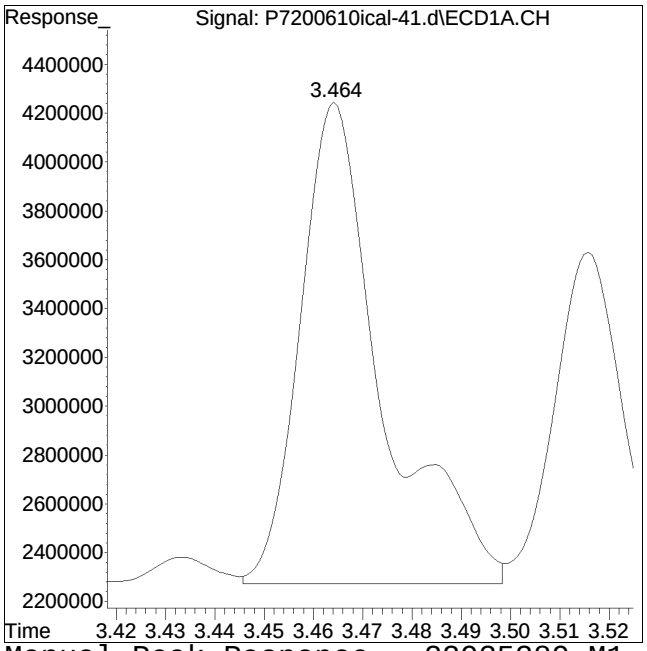
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-41.d
Date Inj'd : 6/11/2020 11:30 pm
Sample : il14268,42e,,9831

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 8:27 pm

Compound #27: 1242-4





Original Peak Response = 19145895 Manual Peak Response = 22935389 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-42.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 11:42 pm
Operator : pest7:ht
Sample : il13262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:40:44 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:37:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.961	2.124	1217.9E6	831.3E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-42.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 11:42 pm
Operator : pest7:ht
Sample : il13262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:40:44 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:37:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-42.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 11:42 pm
Operator : pest7:ht
Sample : il13262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:40:44 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:37:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	2.733	3.198	16666346	11528355	142.474	139.568
42) l5	1232-2	2.993	3.542	16466315	12199116	141.865	140.650M1
43) l5	1232-3	3.357	3.957	31720498	20370276	132.226M1	125.701M1
44) l5	1232-4	3.465	4.077	12634689	8633367	128.857	136.360
45) l5	1232-5	4.162	4.806	8875719	6141482	122.247	127.452
Sum	1232-1			86363567	58872596	667.669	669.731
Average	1232-1					133.534	133.946
46) l8	1262-1	5.041	5.686	41263399	25338875	127.640	124.869
47) l8	1262-2	5.353	6.032	50156176	34457320	126.255	122.712
48) l8	1262-3	5.546	6.259	45633021	31974269	123.412	119.824
49) l8	1262-4	5.780	6.435	83300332	57091988	119.795	112.767
50) l8	1262-5	6.446	7.117f	28790206	23018212	119.039M4	114.989
Sum	1262-1			249.1E6	171.9E6	616.141	595.160
Average	1262-1					123.228	119.032

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			249.1E6	171.9E6	616.141	595.160
Average	1262-1					123.228	119.032

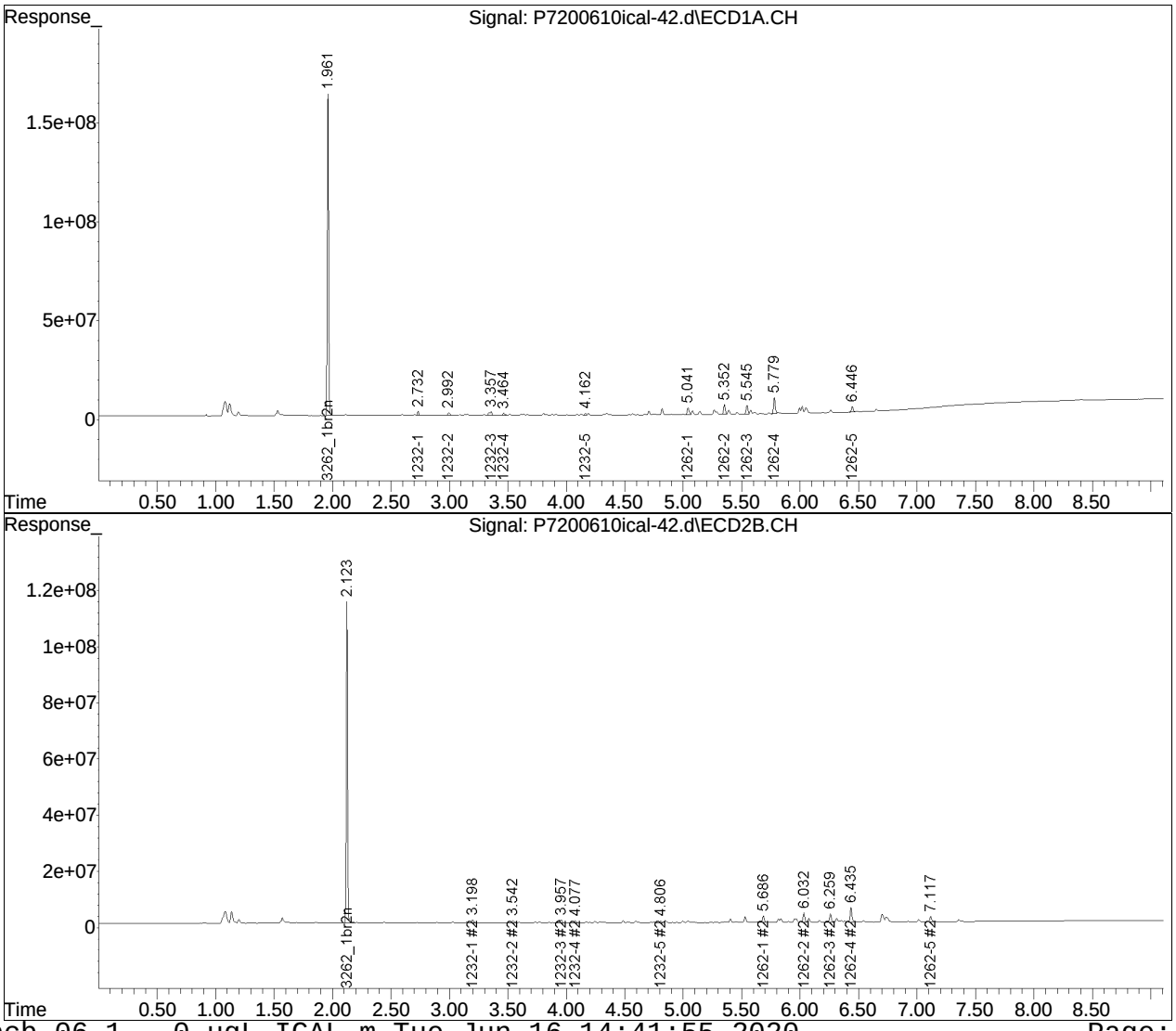
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-42.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 11:42 pm
Operator : pest7:ht
Sample : il13262,42e,,9812
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:40:44 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:37:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

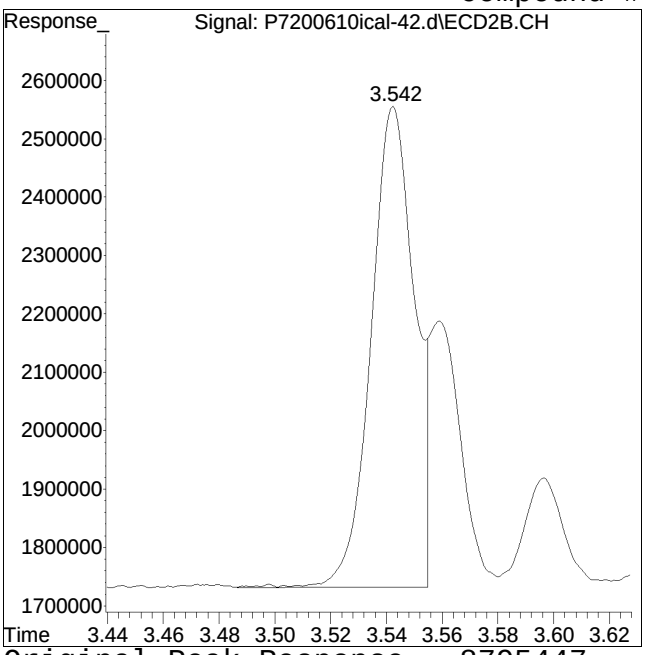


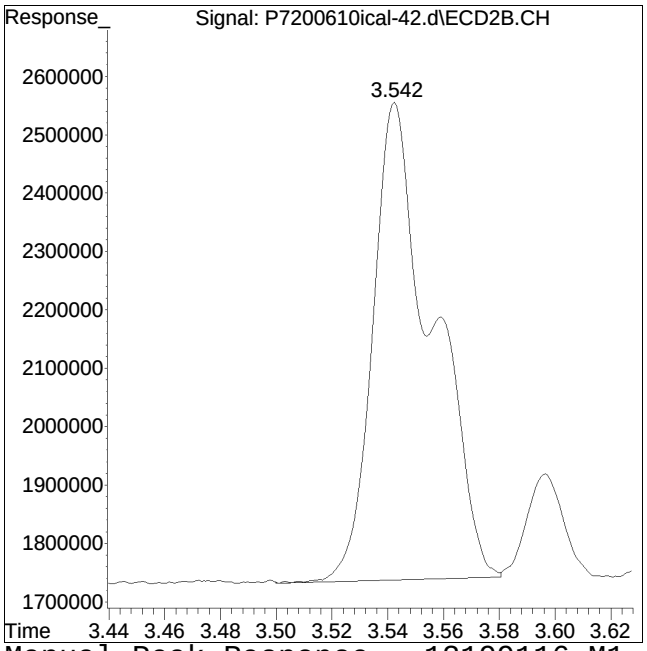
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-42.d
Date Inj'd : 6/11/2020 11:42 pm
Sample : il13262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 8:37 pm

Compound #93: 1232-2 #2





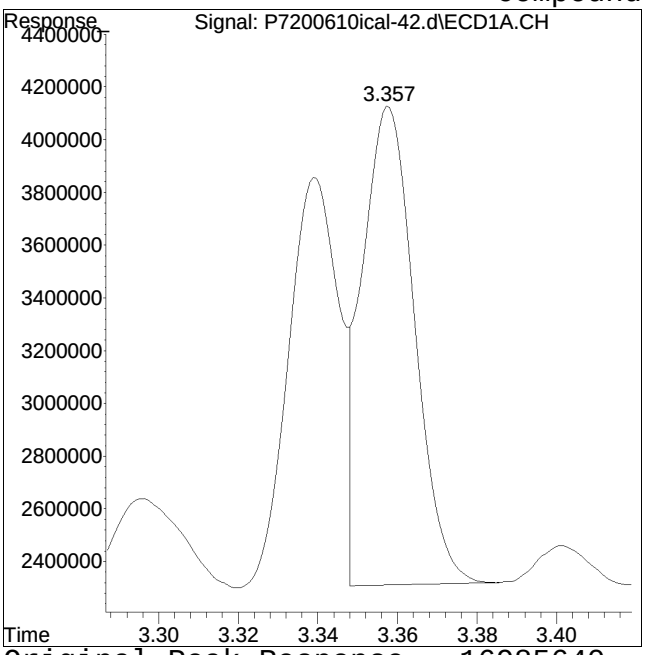
Original Peak Response = 8795447 Manual Peak Response = 12199116 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

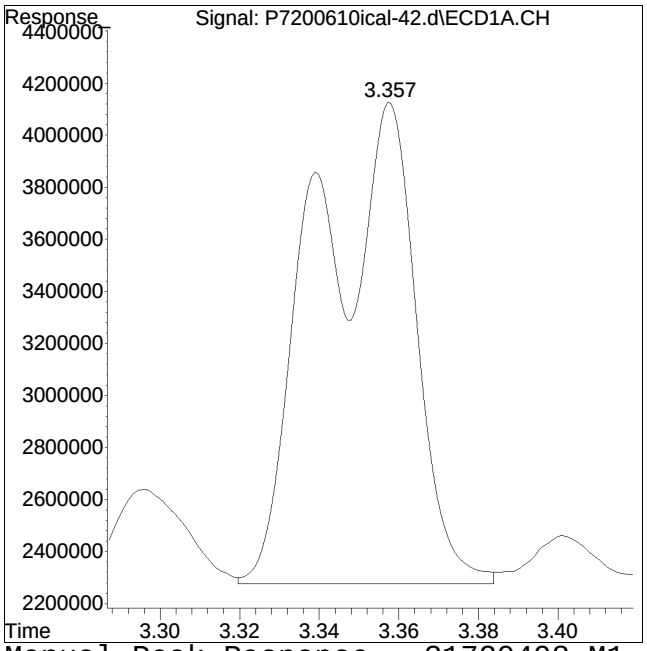
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-42.d
Date Inj'd : 6/11/2020 11:42 pm
Sample : il13262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 8:37 pm

Compound #43: 1232-3





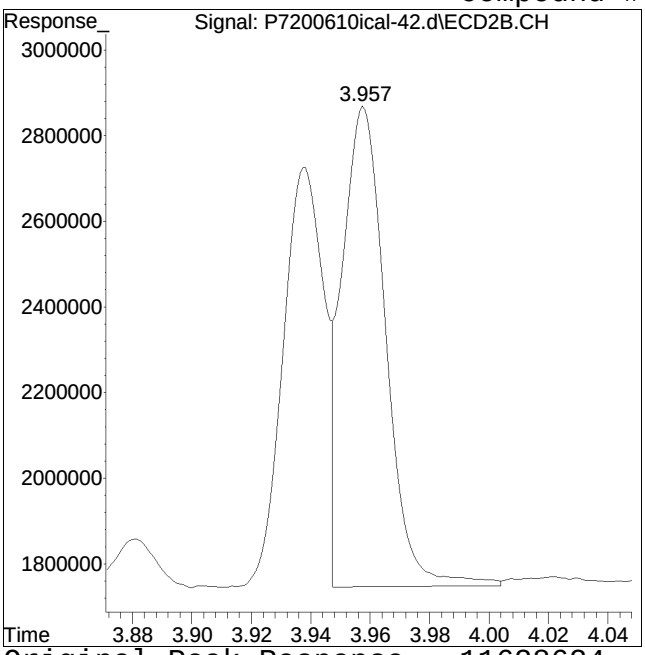
Original Peak Response = 16985640 Manual Peak Response = 31720498 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

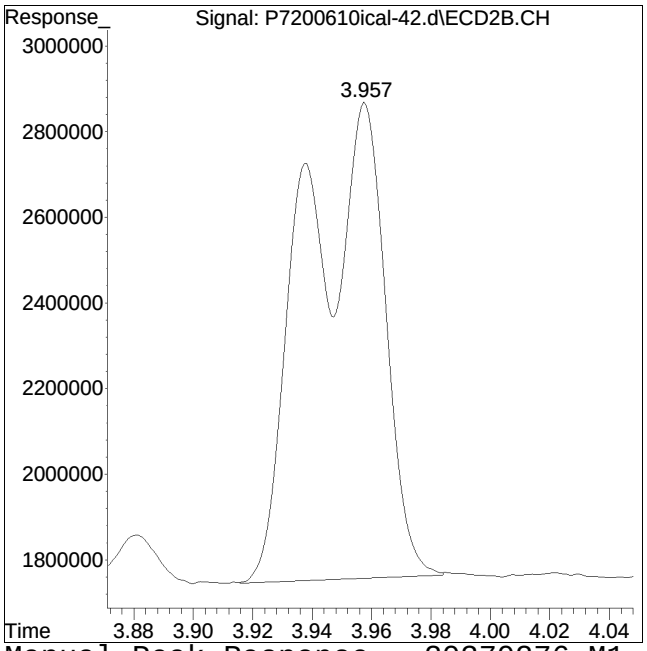
Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-42.d
Date Inj'd : 6/11/2020 11:42 pm
Sample : il13262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 8:37 pm

Compound #94: 1232-3 #2



Original Peak Response = 11628624



Manual Peak Response = 20370276 M1

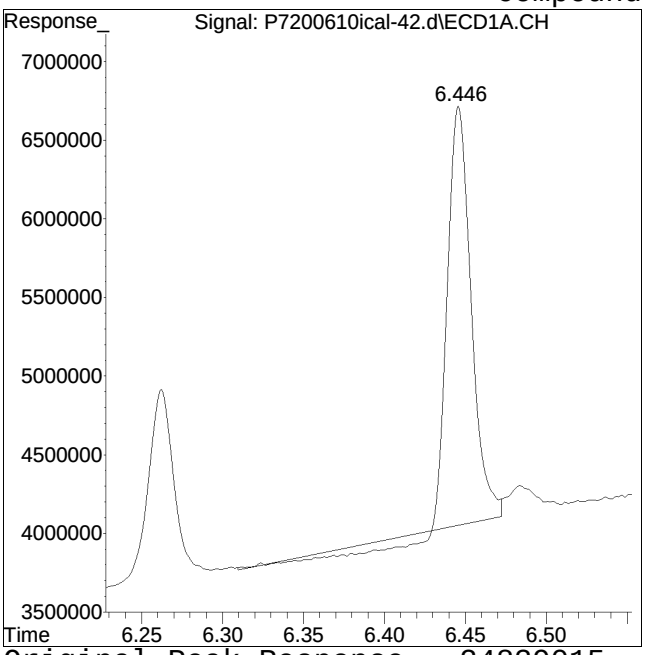
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

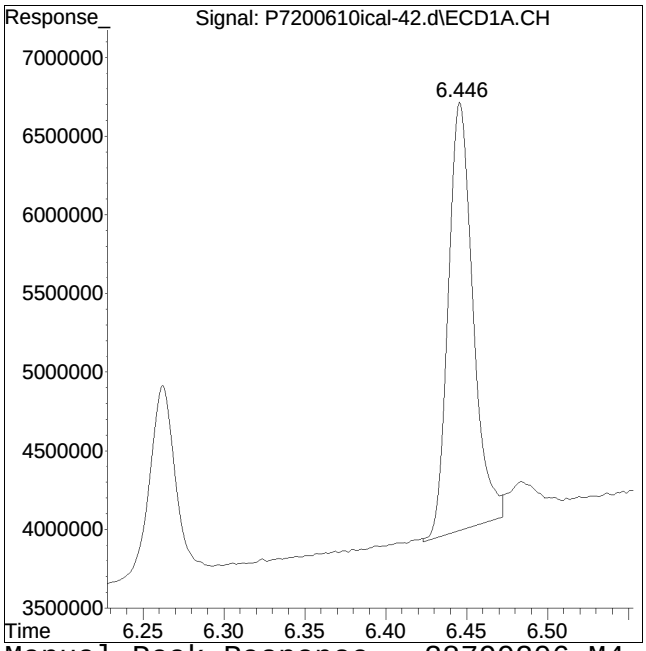
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-42.d
Date Inj'd : 6/11/2020 11:42 pm
Sample : il13262,42e,,9812

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 8:37 pm

Compound #50: 1262-5





Original Peak Response = 24839015 Manual Peak Response = 28790206 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-43.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 11:55 pm
Operator : pest7:ht
Sample : il12154,42e,,9811
Misc : wg1381533, (Sig #1); wg1381511, (Sig #2)
ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:41:56 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:40:51 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.961	2.124	1240.9E6	846.2E6	250.000	250.000
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	2.596	3.031	8258646	5932849	121.327	127.377
16) l3	1221-3	2.703	3.147	5345345	3877209	123.225	128.703
17) l3	1221-4	2.733	3.199	19156127	13636951	125.408	126.188

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-43.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 11:55 pm
Operator : pest7:ht
Sample : il12154,42e,,9811
Misc : wg1381533, (Sig #1); wg1381511, (Sig #2)
ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:41:56 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:40:51 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
Sum	1221-2			32760118	23447009	369.959	382.268	
Average	1221-2					123.320	127.423	
18) l4	1254-1	4.128	4.845	25652252	19913129	120.876	120.402	
19) l4	1254-2	4.343	4.997	43667246	22143935	118.539	118.396	
20) l4	1254-3	4.674	5.378	40020786	29671471	111.805	110.869	
21) l4	1254-4	4.899	5.554	28254800	21880689	102.141	112.432	
22) l4	1254-5	5.268	5.970	43300391	31640042	107.858	111.136	
Sum	1254-1			180.9E6	125.2E6	N.D.	N.D.	D
Average	1254-1					112.244	114.647	
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d	
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d	
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d	
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d	
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1242-1			0	0	N.D.	N.D.	
Average	1242-1					0.000	0.000	
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d	
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d	
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d	
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d	
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1268-1			0	0	N.D.	N.D.	
Average	1268-1					0.000	0.000	
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d	
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1248-1			0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-43.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 11:55 pm
Operator : pest7:ht
Sample : il12154,42e,,9811
Misc : wg1381533, (Sig #1); wg1381511, (Sig #2)
ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:41:56 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:40:51 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

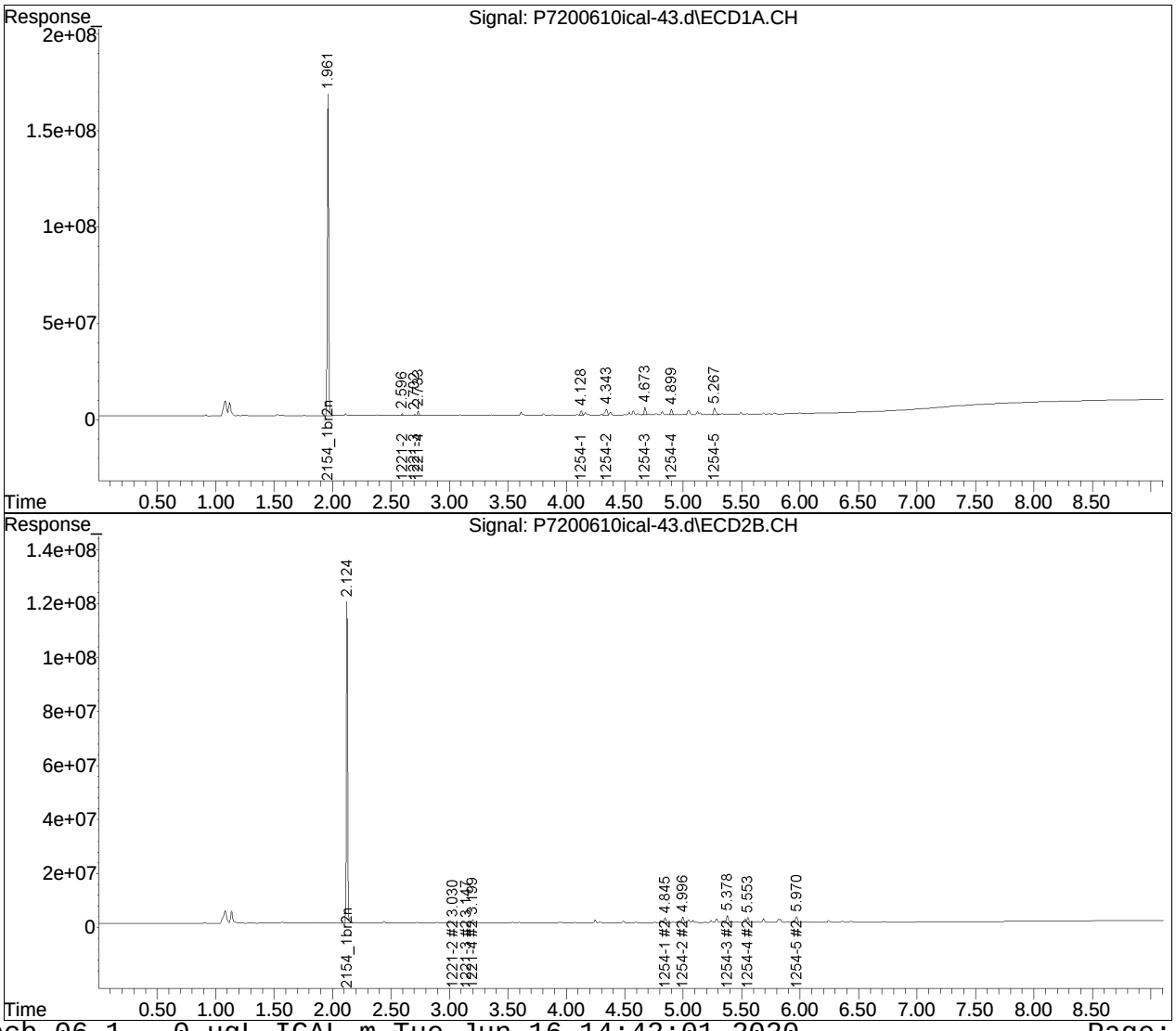
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-43.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Jun 2020 11:55 pm
Operator : pest7:ht
Sample : il12154,42e,,9811
Misc : wg1381533, (Sig #1); wg1381511, (Sig #2)
ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:41:56 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:40:51 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest7\200610ical\	QMethod	: P7_pcb_06_10_20_ugL_ICAL
Data File	: P7200610ical-43.d	Operator	: pest7:ht
Date Inj'd	: 6/11/2020 11:55 pm	Instrument	: Pest 7
Sample	: il12154,42e,,9811	Quant Date	: 6/12/2020 8:41 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-44.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jun 2020 12:08 am
Operator : pest7:ht
Sample   : cicv4268,42e,,9834
Misc   : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 42 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:45:20 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	250.000	250.000	0.0	110	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	160.000	147.585	7.8	103	0.00
3	s	Decachlorobiphenyl	320.000	483.769	-51.2#	176	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	101	0.00
23	i	4268_1br2nb	250.000	250.000	0.0	105	0.10
24	l6	1242-1	2500.000	2414.488	3.4	111	0.23
25	l6	1242-2	2500.000	2381.132	4.8	109	0.27
26	l6	1242-3	2500.000	2450.200	2.0	111	0.33
27	l6	1242-4	2500.000	2434.291	2.6	110	0.06
28	l6	1242-5	2500.000	2480.950	0.8	110	0.43
29	l9	1268-1	2500.000	2556.590	-2.3	111	0.53#
30	l9	1268-2	2500.000	2503.500	-0.1	110	0.54#
31	l9	1268-3	2500.000	2557.444	-2.3	111	0.55#
32	l9	1268-4	2500.000	2593.339	-3.7	107	0.57#
33	l9	1268-5	2500.000	2524.726	-1.0	108	0.59#
34	i	1248_1br2nb	250.000	250.000	0.0	99	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	103	0.10

Signal #2

1	i	1660_1br2nb	250.000	250.000	0.0	111	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	160.000	153.358	4.2	108	0.00
3	s	Decachlorobiphenyl	320.000	481.337	-50.4#	172	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-44.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jun 2020 12:08 am
Operator : pest7:ht
Sample   : cicv4268,42e,,9834
Misc   : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 42 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:45:20 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
23	i	4268_1br2nb	250.000	250.000	0.0	106	0.25
24	l6	1242-1	2500.000	2350.699	6.0	109	0.47
25	l6	1242-2	2500.000	2343.075	6.3	107	0.55#
26	l6	1242-3	2500.000	2460.769	1.6	111	0.64#
27	l6	1242-4	2500.000	2400.874	4.0	110	0.31
28	l6	1242-5	2500.000	2450.572	2.0	111	0.73#
29	l9	1268-1	2500.000	2558.852	-2.4	112	0.85#
30	l9	1268-2	2500.000	2442.205	2.3	110	0.85#
31	l9	1268-3	2500.000	2549.869	-2.0	112	0.87#
32	l9	1268-4	2500.000	2434.164	2.6	108	0.88#
33	l9	1268-5	2500.000	2512.478	-0.5	110	0.92#
34	i	1248_1br2nb	250.000	250.000	0.0	99	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	103	0.25

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	2500.000	0.000	100.0#	0	-2.74#
5	l1	1016-2	2500.000	0.000	100.0#	0	-3.00#
6	l1	1016-3	2500.000	0.000	100.0#	0	-3.36#
7	l1	1016-4	2500.000	0.000	100.0#	0	-3.47#
8	l1	1016-5	2500.000	0.000	100.0#	0	-3.81#
9	l2	1260-1	2500.000	0.000	100.0#	0	-4.83#
10	l2	1260-2	2500.000	0.000	100.0#	0	-5.05#
11	l2	1260-3	2500.000	0.000	100.0#	0	-5.55#
12	l2	1260-4	2500.000	0.000	100.0#	0	-5.79#
13	l2	1260-5	2500.000	0.000	100.0#	0	-6.00#
15	l3	1221-2	2500.000	0.000	100.0#	0	-2.60#
16	l3	1221-3	2500.000	0.000	100.0#	0	-2.71#
17	l3	1221-4	2500.000	0.000	100.0#	0	-2.74#

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-44.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jun 2020 12:08 am
Operator : pest7:ht
Sample   : cicv4268,42e,,9834
Misc   : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 42 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:45:20 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
18	l4	1254-1	2500.000	0.000	100.0#	0	-4.13#
19	l4	1254-2	2500.000	0.000	100.0#	0	-4.35#
20	l4	1254-3	2500.000	0.000	100.0#	0	-4.68#
21	l4	1254-4	2500.000	0.000	100.0#	0	-4.91#
22	l4	1254-5	2500.000	0.000	100.0#	0	-5.27#
35	l7	1248-1	2500.000	0.000	100.0#	0	-3.35#
36	l7	1248-2	2500.000	0.000	100.0#	0	-3.62#
37	l7	1248-3	2500.000	0.000	100.0#	0	-3.81#
38	l7	1248-4	2500.000	0.000	100.0#	0	-4.17#
39	l7	1248-5	2500.000	0.000	100.0#	0	-4.20#
41	l5	1232-1	2500.000	0.000	100.0#	0	-2.51#
42	l5	1232-2	2500.000	0.000	100.0#	0	-2.72#
43	l5	1232-3	2500.000	0.000	100.0#	0	-3.03#
44	l5	1232-4	2500.000	0.000	100.0#	0	-3.41#
45	l5	1232-5	2500.000	0.000	100.0#	0	-3.73#
46	l8	1262-1	2500.000	0.000	100.0#	0	-4.57#
47	l8	1262-2	2500.000	0.000	100.0#	0	-4.87#
48	l8	1262-3	2500.000	0.000	100.0#	0	-5.04#
49	l8	1262-4	2500.000	0.000	100.0#	0	-5.26#
50	l8	1262-5	2500.000	0.000	100.0#	0	-5.88#

Signal #2

4	l1	1016-1	2500.000	0.000	100.0#	0	-3.21#
5	l1	1016-2	2500.000	0.000	100.0#	0	-3.55#
6	l1	1016-3	2500.000	0.000	100.0#	0	-3.96#
7	l1	1016-4	2500.000	0.000	100.0#	0	-4.08#
8	l1	1016-5	2500.000	0.000	100.0#	0	-4.49#
9	l2	1260-1	2500.000	0.000	100.0#	0	-5.54#
10	l2	1260-2	2500.000	0.000	100.0#	0	-5.69#
11	l2	1260-3	2500.000	0.000	100.0#	0	-6.27#

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-44.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jun 2020 12:08 am
Operator : pest7:ht
Sample   : cicv4268,42e,,9834
Misc   : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 42 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:45:20 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
12 l2	1260-4	2500.000	0.000	100.0#	0	-6.44#
13 l2	1260-5	2500.000	0.000	100.0#	0	-6.72#
15 l3	1221-2	2500.000	0.000	100.0#	0	-3.04#
16 l3	1221-3	2500.000	0.000	100.0#	0	-3.15#
17 l3	1221-4	2500.000	0.000	100.0#	0	-3.21#
18 l4	1254-1	2500.000	0.000	100.0#	0	-4.85#
19 l4	1254-2	2500.000	0.000	100.0#	0	-5.00#
20 l4	1254-3	2500.000	0.000	100.0#	0	-5.38#
21 l4	1254-4	2500.000	0.000	100.0#	0	-5.56#
22 l4	1254-5	2500.000	0.000	100.0#	0	-5.98#
35 l7	1248-1	2500.000	0.000	100.0#	0	-3.95#
36 l7	1248-2	2500.000	0.000	100.0#	0	-4.25#
37 l7	1248-3	2500.000	0.000	100.0#	0	-4.49#
38 l7	1248-4	2500.000	0.000	100.0#	0	-4.81#
39 l7	1248-5	2500.000	0.000	100.0#	0	-4.86#
41 l5	1232-1	2500.000	0.000	100.0#	0	-2.73#
42 l5	1232-2	2500.000	0.000	100.0#	0	-2.99#
43 l5	1232-3	2500.000	0.000	100.0#	0	-3.32#
44 l5	1232-4	2500.000	0.000	100.0#	0	-3.77#
45 l5	1232-5	2500.000	0.000	100.0#	0	-4.08#
46 l8	1262-1	2500.000	0.000	100.0#	0	-4.91#
47 l8	1262-2	2500.000	0.000	100.0#	0	-5.24#
48 l8	1262-3	2500.000	0.000	100.0#	0	-5.44#
49 l8	1262-4	2500.000	0.000	100.0#	0	-5.62#
50 l8	1262-5	2500.000	0.000	100.0#	0	-7.13#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-44.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jun 2020 12:08 am
Operator : pest7:ht
Sample : cicv4268,42e,,9834
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:45:20 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.962	2.125	1311.7E6	898.6E6	250.000	250.000
14) i	2154_1br2nb	1.962	2.125	1311.7E6	898.6E6	250.000	250.000
23) i	4268_1br2nb	1.962	2.125	1311.7E6	898.6E6	250.000	250.000
34) i	1248_1br2nb	1.962	2.125	1311.7E6	898.6E6	250.000	250.000
40) i	3262_1br2nb	1.962	2.125	1311.7E6	898.6E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.481	2.809	1003.8E6	747.5E6	147.585	153.358
	Spiked Amount 500.000	Range 30 - 150		Recovery =		29.52%#	30.67%
3) s	Decachlorobi	6.793	7.570	2945.8E6	2157.4E6	483.769	481.337
	Spiked Amount 500.000	Range 30 - 150		Recovery =		96.75%	96.27%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-44.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jun 2020 12:08 am
Operator : pest7:ht
Sample : cicv4268,42e,,9834
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:45:20 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	2.734	3.200	237.2E6	164.7E6	2414.488	2350.699
25) l6	1242-2	2.994	3.544	520.3E6	374.9E6	2381.132	2343.075M1
26) l6	1242-3	3.359	3.959	1088.8E6	755.9E6	2450.200M1	2460.769M1
27) l6	1242-4	3.467	4.079	451.9E6	290.7E6	2434.291	2400.874
28) l6	1242-5	4.164	4.808	367.1E6	248.8E6	2480.950	2450.572
Sum	1242-1			2665.3E6	1835.1E6	12161.062	12005.989
Average	1242-1					2432.212	2401.198
29) l9	1268-1	6.020	6.704	2239.3E6	1665.9E6	2556.590	2558.852
30) l9	1268-2	6.049	6.739	2221.9E6	1633.2E6	2503.500	2442.205
31) l9	1268-3	6.193	6.929	1805.5E6	1339.5E6	2557.444	2549.869
32) l9	1268-4	6.448	7.123	800.3E6	588.5E6	2593.339	2434.164
33) l9	1268-5	6.655	7.366	5240.5E6	4084.0E6	2524.726	2512.478
Sum	1268-1			12307.4E6	9311.1E6	12735.599	12497.567
Average	1268-1					2547.120	2499.513
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-44.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jun 2020 12:08 am
Operator : pest7:ht
Sample : cicv4268,42e,,9834
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:45:20 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

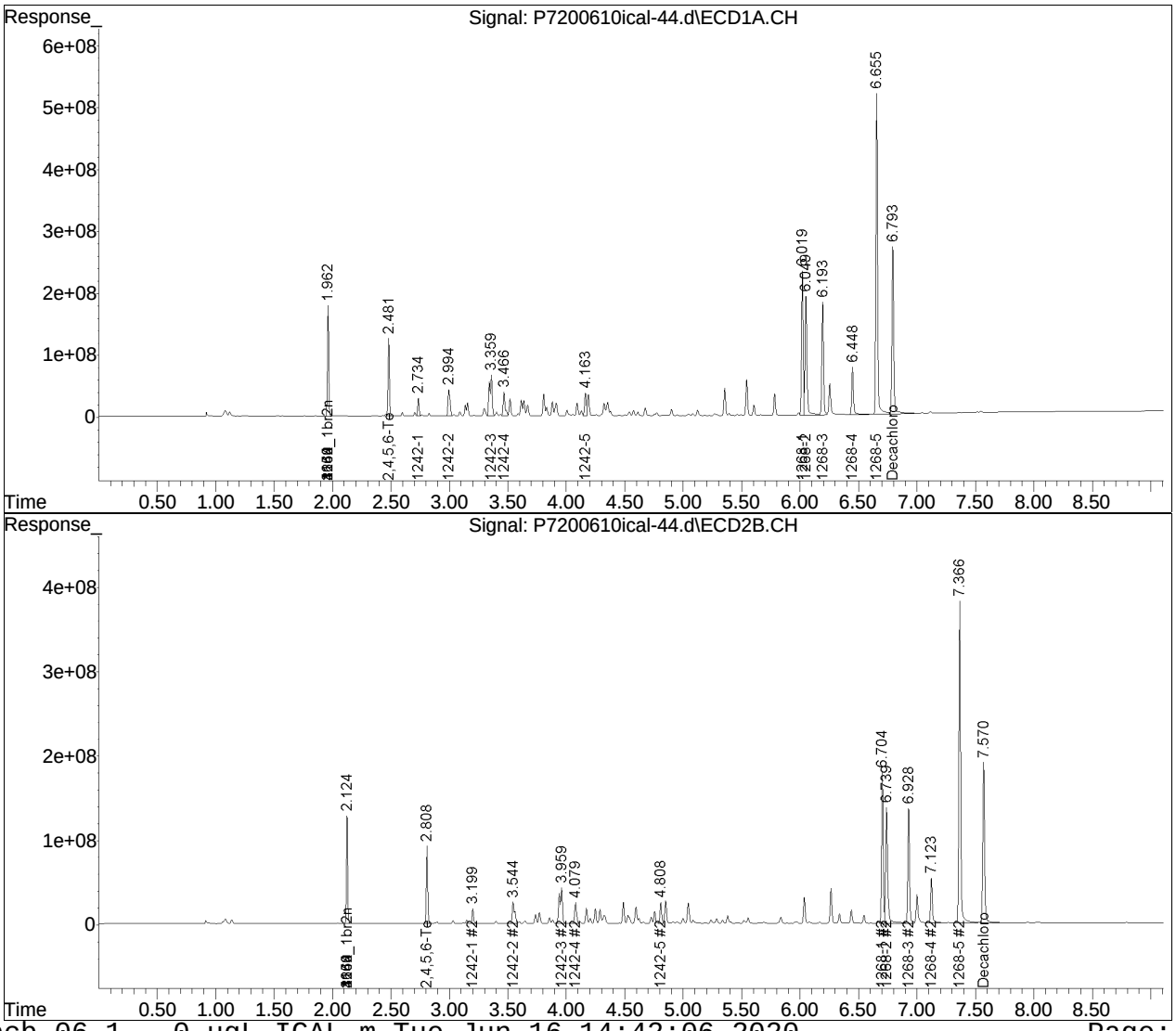
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-44.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jun 2020 12:08 am
Operator : pest7:ht
Sample : cicv4268,42e,,9834
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:45:20 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

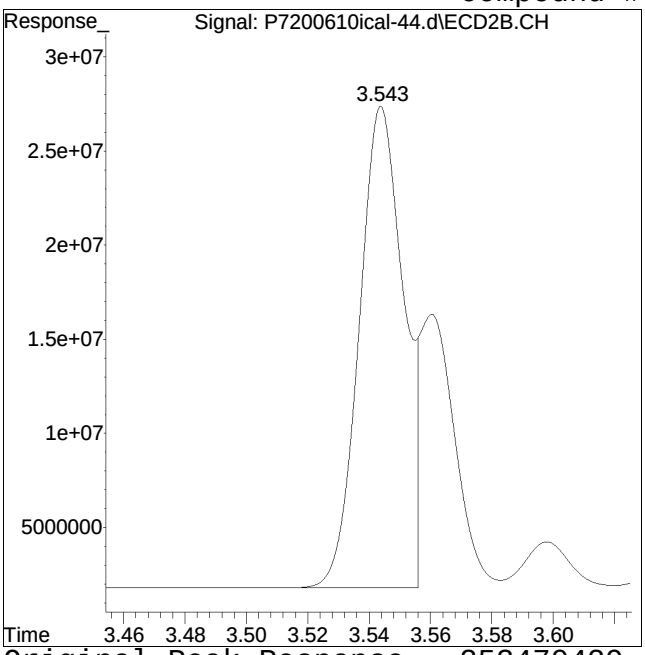


Manual Integration Report

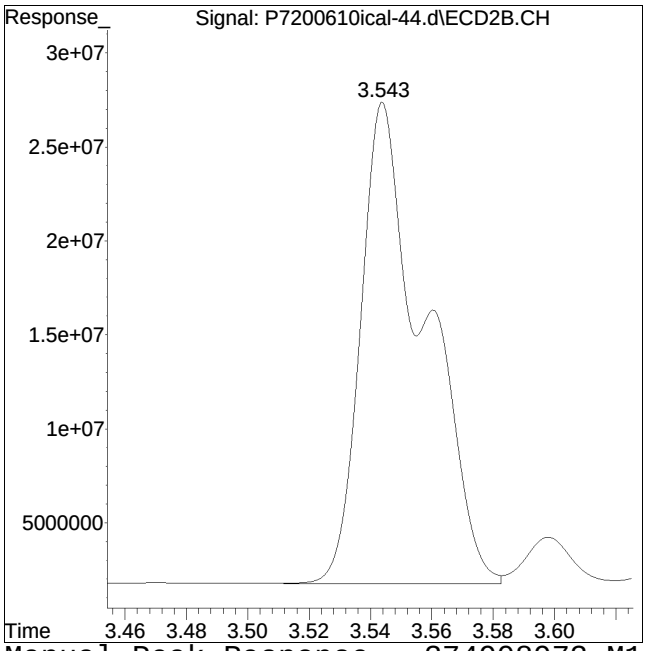
Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-44.d
Date Inj'd : 6/12/2020 12:08 am
Sample : cicv4268,42e,,9834

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 8:42 pm

Compound #76: 1242-2 #2



Original Peak Response = 253470429



Manual Peak Response = 374908973 M1

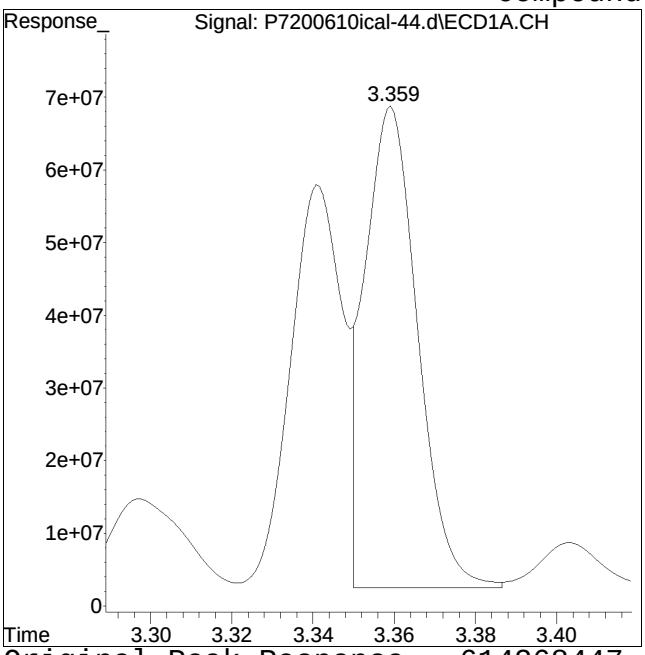
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

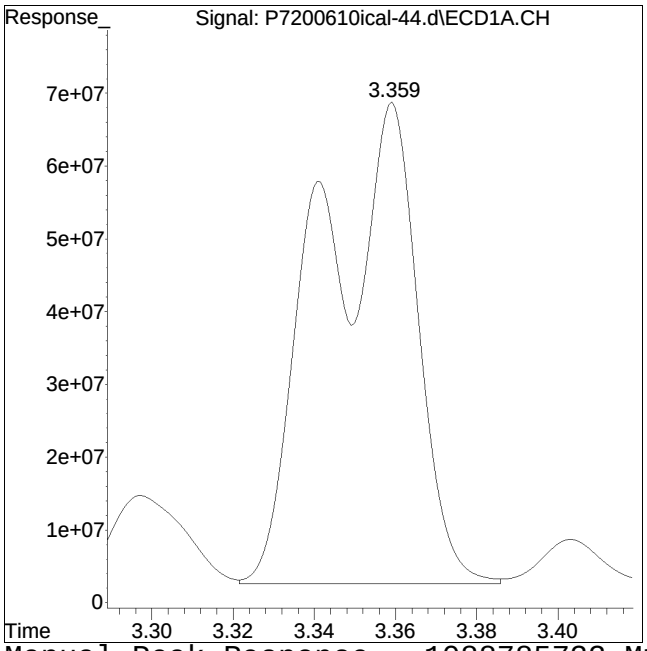
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-44.d
Date Inj'd : 6/12/2020 12:08 am
Sample : cicv4268,42e,,9834

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 8:42 pm

Compound #26: 1242-3





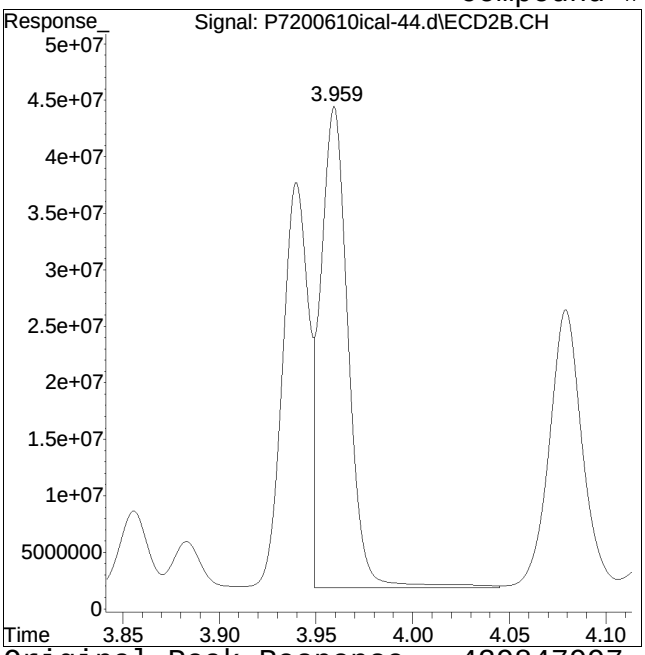
Original Peak Response = 614268447 Manual Peak Response = 1088785733 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

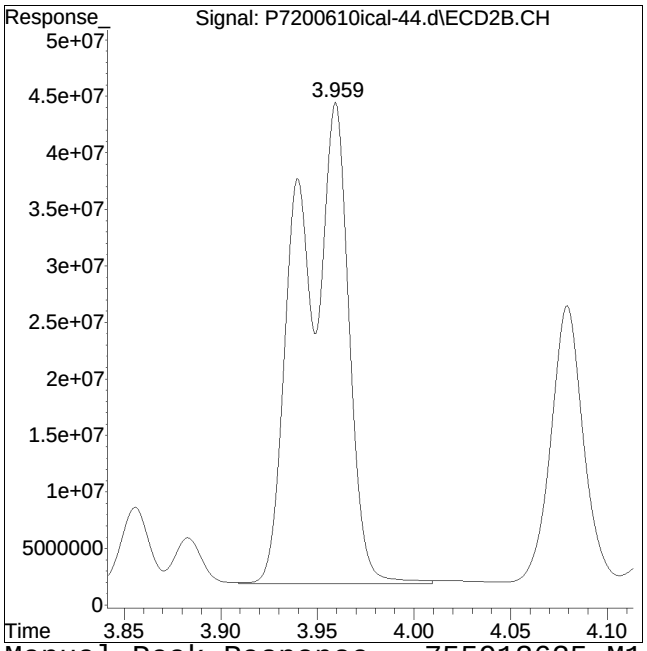
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-44.d
Date Inj'd : 6/12/2020 12:08 am
Sample : cicv4268,42e,,9834

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 8:42 pm

Compound #77: 1242-3 #2





Original Peak Response = 429847997 Manual Peak Response = 755913625 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-45.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jun 2020 12:21 am
Operator : pest7:ht
Sample   : cicv3262,42e,,9817
Misc   : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 43 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:46:44 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	250.000	250.000	0.0	109	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	160.000	152.454	4.7	106	0.00
3	s	Decachlorobiphenyl	320.000	305.640	4.5	111	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	101	0.00
23	i	4268_1br2nb	250.000	250.000	0.0	105	0.11
34	i	1248_1br2nb	250.000	250.000	0.0	99	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	103	0.11
41	l5	1232-1	2500.000	2615.022	-4.6	116	0.23
42	l5	1232-2	2500.000	2395.471	4.2	106	0.27
43	l5	1232-3	2500.000	2451.883	1.9	106	0.33
44	l5	1232-4	2500.000	2468.285	1.3	107	0.06
45	l5	1232-5	2500.000	2502.859	-0.1	108	0.43
46	l8	1262-1	2500.000	2523.722	-0.9	110	0.48
47	l8	1262-2	2500.000	2505.662	-0.2	109	0.49
48	l8	1262-3	2500.000	2486.979	0.5	107	0.51#
49	l8	1262-4	2500.000	2565.922	-2.6	109	0.52#
50	l8	1262-5	2500.000	2554.080	-2.2	111	0.57#

Signal #2

1	i	1660_1br2nb	250.000	250.000	0.0	111	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	160.000	155.134	3.0	109	0.00
3	s	Decachlorobiphenyl	320.000	308.945	3.5	111	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	101	0.00

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-45.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jun 2020 12:21 am
Operator : pest7:ht
Sample   : cicv3262,42e,,9817
Misc   : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 43 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:46:44 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
23	i	4268_1br2nb	250.000	250.000	0.0	106	0.25
34	i	1248_1br2nb	250.000	250.000	0.0	99	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	103	0.25
41	l5	1232-1	2500.000	2613.901	-4.6	116	0.47
42	l5	1232-2	2500.000	2370.428	5.2	106	0.56#
43	l5	1232-3	2500.000	2468.321	1.3	105	0.64#
44	l5	1232-4	2500.000	2425.272	3.0	108	0.31
45	l5	1232-5	2500.000	2445.247	2.2	107	0.73#
46	l8	1262-1	2500.000	2532.422	-1.3	111	0.78#
47	l8	1262-2	2500.000	2522.979	-0.9	110	0.80#
48	l8	1262-3	2500.000	2497.960	0.1	108	0.82#
49	l8	1262-4	2500.000	2604.377	-4.2	111	0.82#
50	l8	1262-5	2500.000	2217.578	11.3	95	-0.01

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	2500.000	0.000	100.0#	0	-2.74#
5	l1	1016-2	2500.000	0.000	100.0#	0	-3.00#
6	l1	1016-3	2500.000	0.000	100.0#	0	-3.36#
7	l1	1016-4	2500.000	0.000	100.0#	0	-3.47#
8	l1	1016-5	2500.000	0.000	100.0#	0	-3.81#
9	l2	1260-1	2500.000	0.000	100.0#	0	-4.83#
10	l2	1260-2	2500.000	0.000	100.0#	0	-5.05#
11	l2	1260-3	2500.000	0.000	100.0#	0	-5.55#
12	l2	1260-4	2500.000	0.000	100.0#	0	-5.79#
13	l2	1260-5	2500.000	0.000	100.0#	0	-6.00#
15	l3	1221-2	2500.000	0.000	100.0#	0	-2.60#
16	l3	1221-3	2500.000	0.000	100.0#	0	-2.71#
17	l3	1221-4	2500.000	0.000	100.0#	0	-2.74#

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-45.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jun 2020 12:21 am
Operator : pest7:ht
Sample   : cicv3262,42e,,9817
Misc   : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 43 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:46:44 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
18	l4	1254-1	2500.000	0.000	100.0#	0	-4.13#
19	l4	1254-2	2500.000	0.000	100.0#	0	-4.35#
20	l4	1254-3	2500.000	0.000	100.0#	0	-4.68#
21	l4	1254-4	2500.000	0.000	100.0#	0	-4.91#
22	l4	1254-5	2500.000	0.000	100.0#	0	-5.27#
24	l6	1242-1	2500.000	0.000	100.0#	0	-2.51#
25	l6	1242-2	2500.000	0.000	100.0#	0	-2.72#
26	l6	1242-3	2500.000	0.000	100.0#	0	-3.03#
27	l6	1242-4	2500.000	0.000	100.0#	0	-3.41#
28	l6	1242-5	2500.000	0.000	100.0#	0	-3.73#
29	l9	1268-1	2500.000	0.000	100.0#	0	-5.49#
30	l9	1268-2	2500.000	0.000	100.0#	0	-5.51#
31	l9	1268-3	2500.000	0.000	100.0#	0	-5.65#
32	l9	1268-4	2500.000	0.000	100.0#	0	-5.88#
33	l9	1268-5	2500.000	0.000	100.0#	0	-6.07#
35	l7	1248-1	2500.000	0.000	100.0#	0	-3.35#
36	l7	1248-2	2500.000	0.000	100.0#	0	-3.62#
37	l7	1248-3	2500.000	0.000	100.0#	0	-3.81#
38	l7	1248-4	2500.000	0.000	100.0#	0	-4.17#
39	l7	1248-5	2500.000	0.000	100.0#	0	-4.20#

Signal #2

4	l1	1016-1	2500.000	0.000	100.0#	0	-3.21#
5	l1	1016-2	2500.000	0.000	100.0#	0	-3.55#
6	l1	1016-3	2500.000	0.000	100.0#	0	-3.96#
7	l1	1016-4	2500.000	0.000	100.0#	0	-4.08#
8	l1	1016-5	2500.000	0.000	100.0#	0	-4.49#
9	l2	1260-1	2500.000	0.000	100.0#	0	-5.54#
10	l2	1260-2	2500.000	0.000	100.0#	0	-5.69#
11	l2	1260-3	2500.000	0.000	100.0#	0	-6.27#

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-45.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jun 2020 12:21 am
Operator : pest7:ht
Sample   : cicv3262,42e,,9817
Misc   : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 43 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:46:44 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
12 l2	1260-4	2500.000	0.000	100.0#	0	-6.44#
13 l2	1260-5	2500.000	0.000	100.0#	0	-6.72#
15 l3	1221-2	2500.000	0.000	100.0#	0	-3.04#
16 l3	1221-3	2500.000	0.000	100.0#	0	-3.15#
17 l3	1221-4	2500.000	0.000	100.0#	0	-3.21#
18 l4	1254-1	2500.000	0.000	100.0#	0	-4.85#
19 l4	1254-2	2500.000	0.000	100.0#	0	-5.00#
20 l4	1254-3	2500.000	0.000	100.0#	0	-5.38#
21 l4	1254-4	2500.000	0.000	100.0#	0	-5.56#
22 l4	1254-5	2500.000	0.000	100.0#	0	-5.98#
24 l6	1242-1	2500.000	0.000	100.0#	0	-2.73#
25 l6	1242-2	2500.000	0.000	100.0#	0	-2.99#
26 l6	1242-3	2500.000	0.000	100.0#	0	-3.32#
27 l6	1242-4	2500.000	0.000	100.0#	0	-3.77#
28 l6	1242-5	2500.000	0.000	100.0#	0	-4.08#
29 l9	1268-1	2500.000	0.000	100.0#	0	-5.86#
30 l9	1268-2	2500.000	0.000	100.0#	0	-5.89#
31 l9	1268-3	2500.000	0.000	100.0#	0	-6.05#
32 l9	1268-4	2500.000	0.000	100.0#	0	-6.24#
33 l9	1268-5	2500.000	0.000	100.0#	0	-6.45#
35 l7	1248-1	2500.000	0.000	100.0#	0	-3.95#
36 l7	1248-2	2500.000	0.000	100.0#	0	-4.25#
37 l7	1248-3	2500.000	0.000	100.0#	0	-4.49#
38 l7	1248-4	2500.000	0.000	100.0#	0	-4.81#
39 l7	1248-5	2500.000	0.000	100.0#	0	-4.86#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-45.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jun 2020 12:21 am
Operator : pest7:ht
Sample : cicv3262,42e,,9817
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:46:44 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.963	2.125	1311.4E6	901.0E6	250.000	250.000
14) i	2154_1br2nb	1.963	2.125	1311.4E6	901.0E6	250.000	250.000
23) i	4268_1br2nb	1.963	2.125	1311.4E6	901.0E6	250.000	250.000
34) i	1248_1br2nb	1.963	2.125	1311.4E6	901.0E6	250.000	250.000
40) i	3262_1br2nb	1.963	2.125	1311.4E6	901.0E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.482	2.810	1036.6E6	758.2E6	152.454	155.134
	Spiked Amount 500.000	Range 30 - 150		Recovery =		30.49%	31.03%
3) s	Decachlorobi	6.792	7.565	1860.7E6	1388.4E6	305.640	308.945
	Spiked Amount 500.000	Range 30 - 150		Recovery =		61.13%	61.79%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-45.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jun 2020 12:21 am
Operator : pest7:ht
Sample : cicv3262,42e,,9817
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:46:44 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-45.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jun 2020 12:21 am
Operator : pest7:ht
Sample : cicv3262,42e,,9817
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:46:44 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	2.736	3.201	352.7E6	249.4E6	2615.022	2613.901
42) l5	1232-2	2.996	3.545	320.3E6	237.9E6	2395.471	2370.428M1
43) l5	1232-3	3.361	3.961	667.4E6	452.1E6	2451.883M1	2468.321M1
44) l5	1232-4	3.468	4.081	273.1E6	176.5E6	2468.285	2425.272
45) l5	1232-5	4.166	4.810	202.9E6	133.5E6	2502.859	2445.247
Sum	1232-1			1816.4E6	1249.5E6	12433.519	12323.168
Average	1232-1					2486.704	2464.634
46) l8	1262-1	5.045	5.690	918.9E6	580.1E6	2523.722	2532.422
47) l8	1262-2	5.357	6.036	1118.7E6	796.9E6	2505.662	2522.979
48) l8	1262-3	5.550	6.263	1028.8E6	746.3E6	2486.979	2497.960
49) l8	1262-4	5.783	6.439	1984.5E6	1459.5E6	2565.922	2604.377
50) l8	1262-5	6.449	7.119	686.2E6	493.1E6	2554.080	2217.578
Sum	1262-1			5737.2E6	4075.9E6	12636.365	12375.316
Average	1262-1					2527.273	2475.063

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			5737.2E6	4075.9E6	12636.365	12375.316
Average	1262-1					2527.273	2475.063

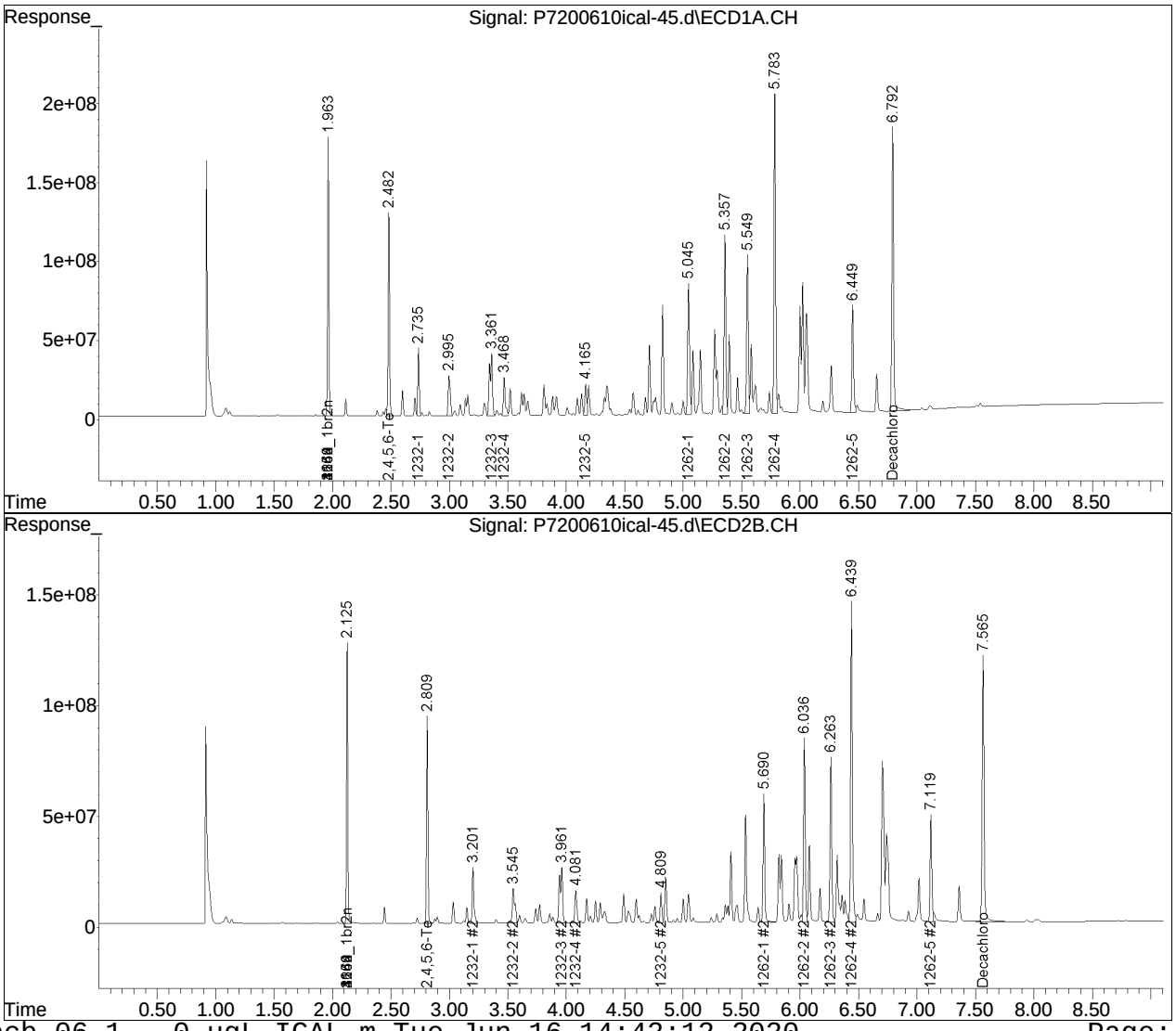
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-45.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jun 2020 12:21 am
Operator : pest7:ht
Sample : cicv3262,42e,,9817
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:46:44 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

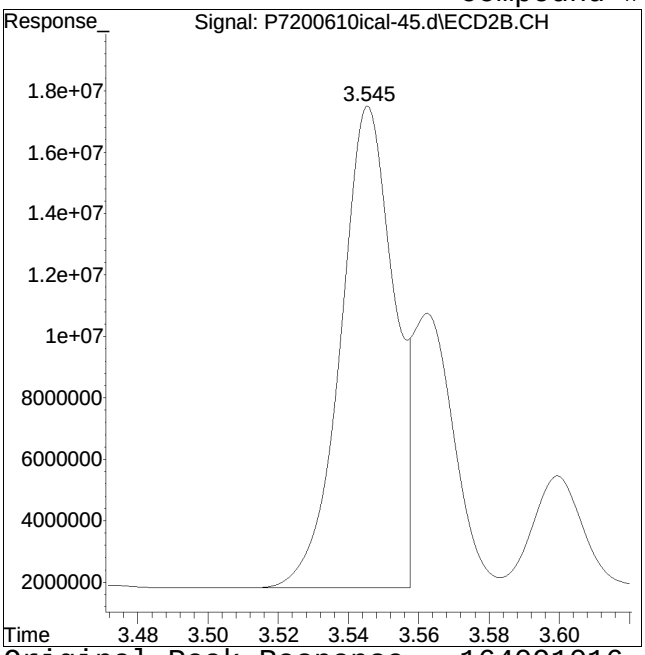


Manual Integration Report

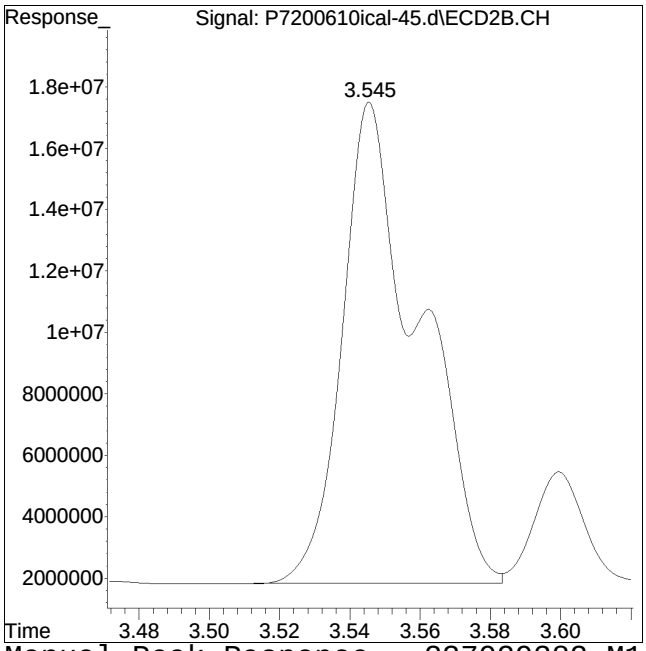
Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-45.d
Date Inj'd : 6/12/2020 12:21 am
Sample : cicv3262,42e,,9817

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 8:45 pm

Compound #93: 1232-2 #2



Original Peak Response = 164091016



Manual Peak Response = 237929382 M1

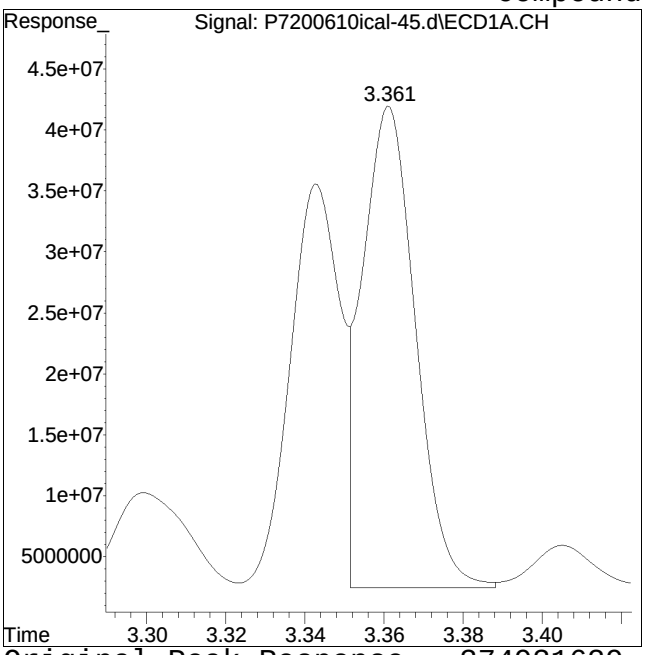
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

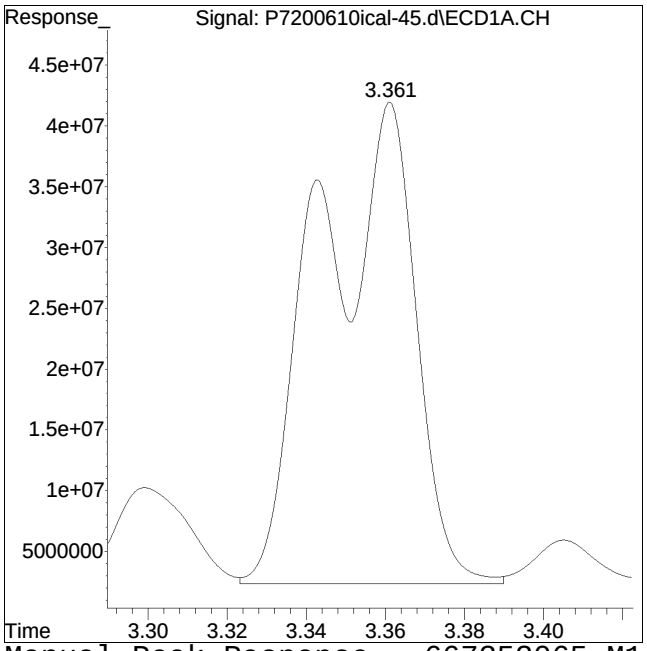
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-45.d
Date Inj'd : 6/12/2020 12:21 am
Sample : cicv3262,42e,,9817

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 8:45 pm

Compound #43: 1232-3





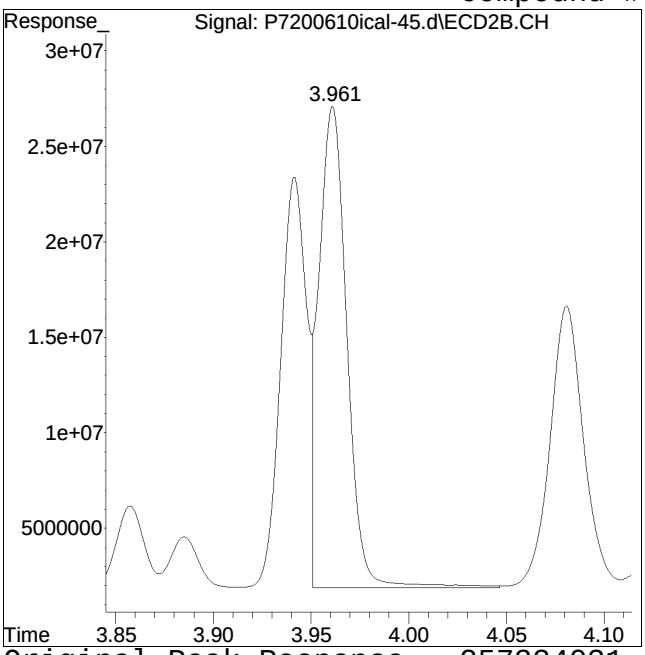
Original Peak Response = 374931629 Manual Peak Response = 667353065 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

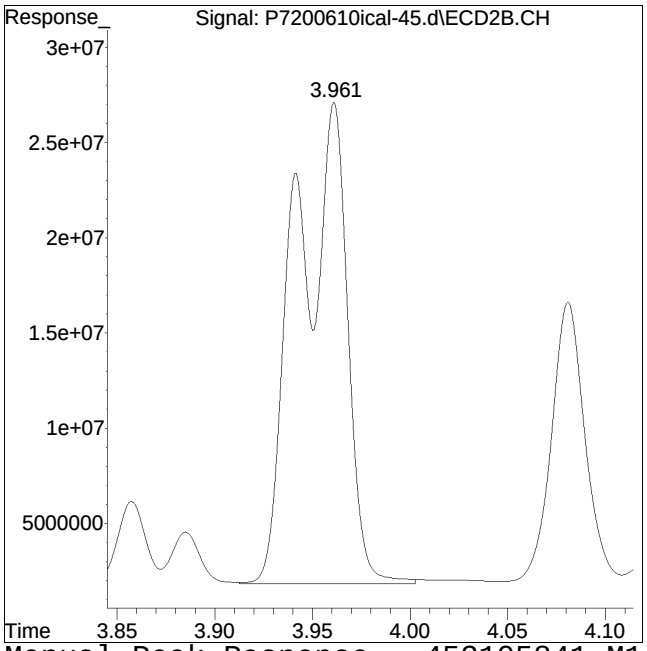
Manual Integration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-45.d
Date Inj'd : 6/12/2020 12:21 am
Sample : cicv3262,42e,,9817

QMethod : P7_pcb_06_10_20_ugL_ICAL
Operator : pest7:ht
Instrument : Pest 7
Quant Date : 6/12/2020 8:45 pm

Compound #94: 1232-3 #2





Original Peak Response = 257324031 Manual Peak Response = 452105841 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-46.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jun 2020 12:34 am
Operator : pest7:ht
Sample   : cicv2154,42e,,9816
Misc   : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 44 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:48:01 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	250.000	250.000	0.0	111	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	160.000	157.122	1.8	111	0.00
3	s	Decachlorobiphenyl	320.000	312.584	2.3	115	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	102	0.00
15	l3	1221-2	2500.000	2644.883	-5.8	113	0.00
16	l3	1221-3	2500.000	2591.903	-3.7	111	0.00
17	l3	1221-4	2500.000	2618.111	-4.7	113	0.00
18	l4	1254-1	2500.000	2588.574	-3.5	111	0.00
19	l4	1254-2	2500.000	2681.652	-7.3	114	0.00
20	l4	1254-3	2500.000	2721.353	-8.9	114	0.00
21	l4	1254-4	2500.000	2724.336	-9.0	112	0.00
22	l4	1254-5	2500.000	2543.782	-1.8	106	0.00
23	i	4268_1br2nb	250.000	250.000	0.0	106	0.11
34	i	1248_1br2nb	250.000	250.000	0.0	100	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	104	0.11

Signal #2

1	i	1660_1br2nb	250.000	250.000	0.0	113	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	160.000	160.694	-0.4	115	0.00
3	s	Decachlorobiphenyl	320.000	313.302	2.1	114	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	102	0.00
15	l3	1221-2	2500.000	2614.424	-4.6	115	0.00
16	l3	1221-3	2500.000	2537.524	-1.5	112	0.00
17	l3	1221-4	2500.000	2604.424	-4.2	114	0.00

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-46.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jun 2020 12:34 am
Operator : pest7:ht
Sample   : cicv2154,42e,,9816
Misc   : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 44 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:48:01 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
18	l4	1254-1	2500.000	2687.327	-7.5	116	0.00
19	l4	1254-2	2500.000	2586.435	-3.5	111	0.00
20	l4	1254-3	2500.000	2719.756	-8.8	115	0.00
21	l4	1254-4	2500.000	2666.722	-6.7	113	0.00
22	l4	1254-5	2500.000	2530.521	-1.2	107	0.00
23	i	4268_1br2nb	250.000	250.000	0.0	108	0.25
34	i	1248_1br2nb	250.000	250.000	0.0	101	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	105	0.25

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	2500.000	0.000	100.0#	0	-2.74#
5	l1	1016-2	2500.000	0.000	100.0#	0	-3.00#
6	l1	1016-3	2500.000	0.000	100.0#	0	-3.36#
7	l1	1016-4	2500.000	0.000	100.0#	0	-3.47#
8	l1	1016-5	2500.000	0.000	100.0#	0	-3.81#
9	l2	1260-1	2500.000	0.000	100.0#	0	-4.83#
10	l2	1260-2	2500.000	0.000	100.0#	0	-5.05#
11	l2	1260-3	2500.000	0.000	100.0#	0	-5.55#
12	l2	1260-4	2500.000	0.000	100.0#	0	-5.79#
13	l2	1260-5	2500.000	0.000	100.0#	0	-6.00#
24	l6	1242-1	2500.000	0.000	100.0#	0	-2.51#
25	l6	1242-2	2500.000	0.000	100.0#	0	-2.72#
26	l6	1242-3	2500.000	0.000	100.0#	0	-3.03#
27	l6	1242-4	2500.000	0.000	100.0#	0	-3.41#
28	l6	1242-5	2500.000	0.000	100.0#	0	-3.73#
29	l9	1268-1	2500.000	0.000	100.0#	0	-5.49#
30	l9	1268-2	2500.000	0.000	100.0#	0	-5.51#

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-46.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jun 2020 12:34 am
Operator : pest7:ht
Sample   : cicv2154,42e,,9816
Misc   : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 44 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:48:01 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
31	l9	1268-3	2500.000	0.000	100.0#	0	-5.65#
32	l9	1268-4	2500.000	0.000	100.0#	0	-5.88#
33	l9	1268-5	2500.000	0.000	100.0#	0	-6.07#
35	l7	1248-1	2500.000	0.000	100.0#	0	-3.35#
36	l7	1248-2	2500.000	0.000	100.0#	0	-3.62#
37	l7	1248-3	2500.000	0.000	100.0#	0	-3.81#
38	l7	1248-4	2500.000	0.000	100.0#	0	-4.17#
39	l7	1248-5	2500.000	0.000	100.0#	0	-4.20#
41	l5	1232-1	2500.000	0.000	100.0#	0	-2.51#
42	l5	1232-2	2500.000	0.000	100.0#	0	-2.72#
43	l5	1232-3	2500.000	0.000	100.0#	0	-3.03#
44	l5	1232-4	2500.000	0.000	100.0#	0	-3.41#
45	l5	1232-5	2500.000	0.000	100.0#	0	-3.73#
46	l8	1262-1	2500.000	0.000	100.0#	0	-4.57#
47	l8	1262-2	2500.000	0.000	100.0#	0	-4.87#
48	l8	1262-3	2500.000	0.000	100.0#	0	-5.04#
49	l8	1262-4	2500.000	0.000	100.0#	0	-5.26#
50	l8	1262-5	2500.000	0.000	100.0#	0	-5.88#

Signal #2

4	l1	1016-1	2500.000	0.000	100.0#	0	-3.21#
5	l1	1016-2	2500.000	0.000	100.0#	0	-3.55#
6	l1	1016-3	2500.000	0.000	100.0#	0	-3.96#
7	l1	1016-4	2500.000	0.000	100.0#	0	-4.08#
8	l1	1016-5	2500.000	0.000	100.0#	0	-4.49#
9	l2	1260-1	2500.000	0.000	100.0#	0	-5.54#
10	l2	1260-2	2500.000	0.000	100.0#	0	-5.69#
11	l2	1260-3	2500.000	0.000	100.0#	0	-6.27#
12	l2	1260-4	2500.000	0.000	100.0#	0	-6.44#
13	l2	1260-5	2500.000	0.000	100.0#	0	-6.72#

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-46.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 12 Jun 2020 12:34 am
Operator : pest7:ht
Sample   : cicv2154,42e,,9816
Misc   : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 44 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:48:01 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
24 l6	1242-1	2500.000	0.000	100.0#	0	-2.73#
25 l6	1242-2	2500.000	0.000	100.0#	0	-2.99#
26 l6	1242-3	2500.000	0.000	100.0#	0	-3.32#
27 l6	1242-4	2500.000	0.000	100.0#	0	-3.77#
28 l6	1242-5	2500.000	0.000	100.0#	0	-4.08#
29 l9	1268-1	2500.000	0.000	100.0#	0	-5.86#
30 l9	1268-2	2500.000	0.000	100.0#	0	-5.89#
31 l9	1268-3	2500.000	0.000	100.0#	0	-6.05#
32 l9	1268-4	2500.000	0.000	100.0#	0	-6.24#
33 l9	1268-5	2500.000	0.000	100.0#	0	-6.45#
35 l7	1248-1	2500.000	0.000	100.0#	0	-3.95#
36 l7	1248-2	2500.000	0.000	100.0#	0	-4.25#
37 l7	1248-3	2500.000	0.000	100.0#	0	-4.49#
38 l7	1248-4	2500.000	0.000	100.0#	0	-4.81#
39 l7	1248-5	2500.000	0.000	100.0#	0	-4.86#
41 l5	1232-1	2500.000	0.000	100.0#	0	-2.73#
42 l5	1232-2	2500.000	0.000	100.0#	0	-2.99#
43 l5	1232-3	2500.000	0.000	100.0#	0	-3.32#
44 l5	1232-4	2500.000	0.000	100.0#	0	-3.77#
45 l5	1232-5	2500.000	0.000	100.0#	0	-4.08#
46 l8	1262-1	2500.000	0.000	100.0#	0	-4.91#
47 l8	1262-2	2500.000	0.000	100.0#	0	-5.24#
48 l8	1262-3	2500.000	0.000	100.0#	0	-5.44#
49 l8	1262-4	2500.000	0.000	100.0#	0	-5.62#
50 l8	1262-5	2500.000	0.000	100.0#	0	-7.13#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-46.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jun 2020 12:34 am
Operator : pest7:ht
Sample : cicv2154,42e,,9816
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 44 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:48:01 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.964	2.126	1326.0E6	915.9E6	250.000	250.000
14) i	2154_1br2nb	1.964	2.126	1326.0E6	915.9E6	250.000	250.000
23) i	4268_1br2nb	1.964	2.126	1326.0E6	915.9E6	250.000	250.000
34) i	1248_1br2nb	1.964	2.126	1326.0E6	915.9E6	250.000	250.000
40) i	3262_1br2nb	1.964	2.126	1326.0E6	915.9E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.483	2.811	1080.3E6	798.4E6	157.122	160.694
	Spiked Amount 500.000	Range 30 - 150		Recovery =		31.42%	32.14%
3) s	Decachlorobi	6.793	7.566	1924.1E6	1431.3E6	312.584	313.302
	Spiked Amount 500.000	Range 30 - 150		Recovery =		62.52%	62.66%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	2.599	3.034	199.2E6	137.8E6	2644.883	2614.424
16) l3	1221-3	2.706	3.150	124.8E6	86699259	2591.903	2537.524
17) l3	1221-4	2.736	3.203	445.4E6	317.9E6	2618.111	2604.424

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-46.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jun 2020 12:34 am
Operator : pest7:ht
Sample : cicv2154,42e,,9816
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 44 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:48:01 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			769.5E6	542.5E6	7854.897	7756.373
Average	1221-2					2618.299	2585.458
18) l4	1254-1	4.131	4.849	607.4E6	497.4E6	2588.574	2687.327
19) l4	1254-2	4.346	5.001	1088.2E6	539.7E6	2681.652	2586.435
20) l4	1254-3	4.677	5.383	1061.4E6	802.1E6	2721.353	2719.756
21) l4	1254-4	4.902	5.558	808.2E6	573.4E6	2724.336	2666.722
22) l4	1254-5	5.271	5.974	1105.6E6	794.3E6	2543.782	2530.521
Sum	1254-1			4670.8E6	3206.8E6	13259.697	13190.762
Average	1254-1					2651.939	2638.152
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-46.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jun 2020 12:34 am
Operator : pest7:ht
Sample : cicv2154,42e,,9816
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 44 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:48:01 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

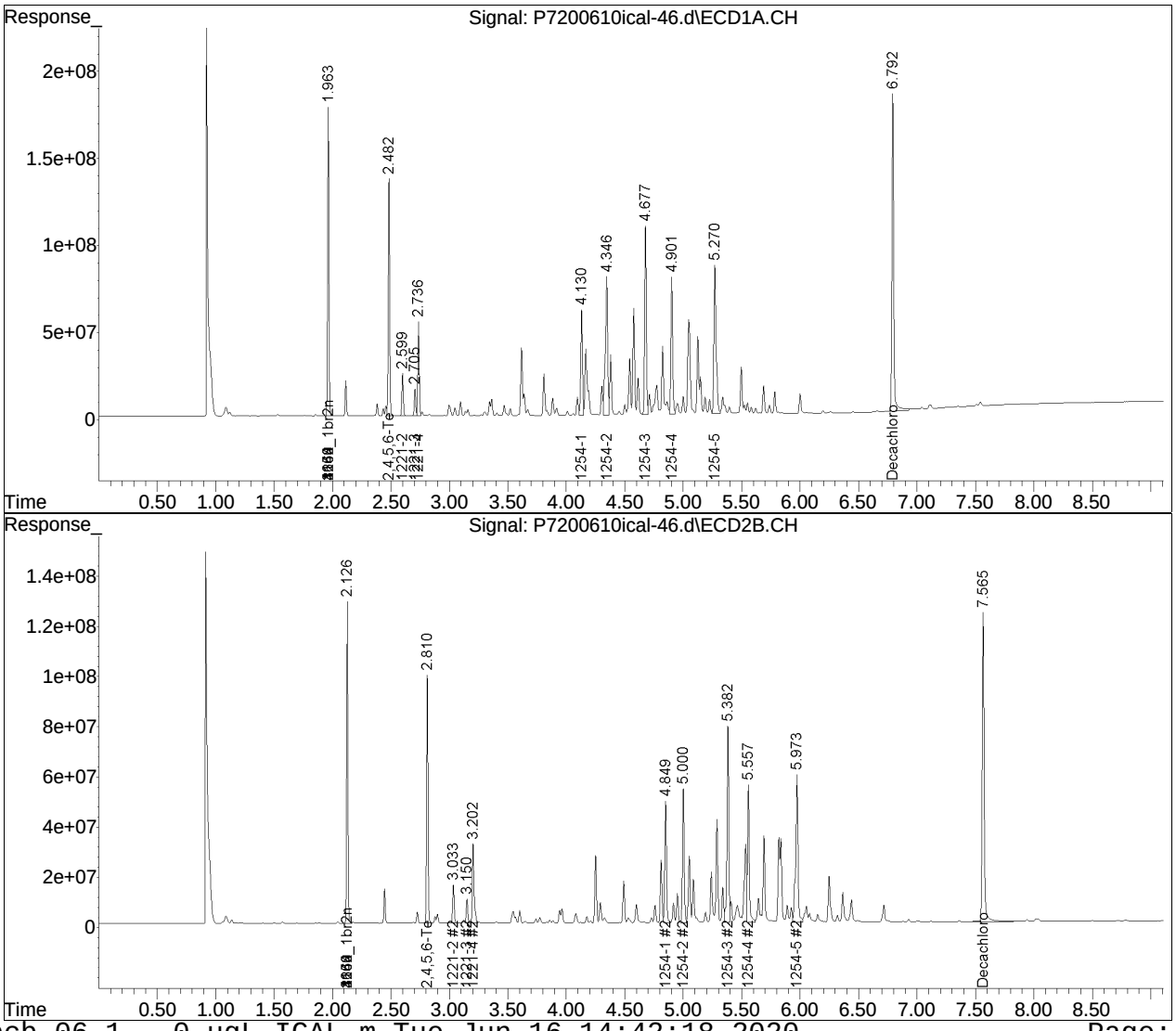
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest7\200610ical\
Data File : P7200610ical-46.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 Jun 2020 12:34 am
Operator : pest7:ht
Sample : cicv2154,42e,,9816
Misc : wg1381533, (Sig #1); ical (Sig #2)
ALS Vial : 44 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jun 12 20:48:01 2020
Quant Method : I:\Pest7\200610ical\P7_pcb_06_10_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Fri Jun 12 20:42:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest7\200610ical\	QMethod	: P7_pcb_06_10_20_ugL_ICAL
Data File	: P7200610ical-46.d	Operator	: pest7:ht
Date Inj'd	: 6/12/2020 12:34 am	Instrument	: Pest 7
Sample	: cicv2154,42e,,9816	Quant Date	: 6/12/2020 8:46 pm

There are no manual integrations or false positives in this file.

Response Factor Report Pest 21

Method Path : I:\Pest21\data\2020\21201015icalb\
Method File : P21_pcb_10_15_20_ugL_ICAL.m
Title : pcb
Last Update : Wed Nov 11 12:56:27 2020
Response Via : Initial Calibration

Calibration Files
1 =21201015-29.D 2 =21201015-30.D 3 =21201015-31.D 4 =21201015-32.D 5 =21201015-33.D
6 =21201015-34.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------							
2)	s	2,4,5,6-Tetra...	1.653	1.683	1.579	1.502	1.637	1.562	1.603	4.19
3)	s	Decachlorobip...	1.410	1.233	1.184	1.099	1.158	1.094	1.196	9.78
4)	l1	1016-1	0.031	0.030	0.028	0.025	0.026	0.024	0.027	10.17
5)	l1	1016-2	0.067	0.061	0.058	0.053	0.055	0.052	0.058	9.66
6)	l1	1016-3	0.127	0.123	0.119	0.112	0.118	0.111	0.118	5.06
7)	l1	1016-4	0.055	0.054	0.049	0.045	0.047	0.046	0.049	8.38
8)	l1	1016-5	0.059	0.055	0.052	0.048	0.050	0.047	0.052	9.09
9)	l2	1260-1	0.082	0.076	0.072	0.067	0.070	0.065	0.072	8.65
10)	l2	1260-2	0.122	0.114	0.109	0.101	0.106	0.100	0.109	7.51
11)	l2	1260-3	0.078	0.074	0.071	0.066	0.069	0.065	0.070	6.96
12)	l2	1260-4	0.159	0.157	0.153	0.144	0.153	0.144	0.152	4.20
13)	l2	1260-5	0.118	0.112	0.108	0.072	0.108	0.101	0.104	15.66
14)	i	2154_1br2nb	----------ISTD----------							
15)	l3	1221-1	0.018	0.017	0.017	0.015	0.015	0.015	0.016	8.30
16)	l3	1221-2	0.011	0.010	0.010	0.009	0.009	0.009	0.009	9.16
17)	l3	1221-3	0.043	0.040	0.039	0.035	0.034	0.035	0.037	9.35
18)	l4	1254-1	0.054	0.050	0.049	0.045	0.044	0.046	0.048	7.68
19)	l4	1254-2	0.095	0.087	0.085	0.079	0.077	0.080	0.084	7.79
20)	l4	1254-3	0.088	0.084	0.084	0.078	0.078	0.080	0.082	4.77
21)	l4	1254-4	0.068	0.064	0.064	0.060	0.059	0.061	0.063	5.15
22)	l4	1254-5	0.098	0.091	0.091	0.085	0.084	0.087	0.089	5.99
23)	i	4268_1br2nb	----------ISTD----------							
24)	l6	1242-1	0.025	0.022	0.022	0.020	0.019	0.019	0.021	10.66
25)	l6	1242-2	0.056	0.048	0.050	0.046	0.043	0.044	0.048	10.54
26)	l6	1242-3	0.102	0.090	0.096	0.092	0.087	0.090	0.093	5.79
27)	l6	1242-4	0.046	0.040	0.042	0.039	0.035	0.036	0.040	10.34
28)	l6	1242-5	0.035	0.029	0.031	0.029	0.028	0.029	0.030	8.58
29)	l9	1268-1	0.209	0.186	0.197	0.189	0.182	0.190	0.192	5.06

Method Path : I:\Pest21\data\2020\21201015icalb\
Method File : P21_pcb_10_15_20_ugL_ICAL.m
Title : pcb
Last Update : Wed Nov 11 12:56:27 2020
Response Via : Initial Calibration

Calibration Files
1 =21201015-29.D 2 =21201015-30.D 3 =21201015-31.D 4 =21201015-32.D 5 =21201015-33.D
6 =21201015-34.D

	Compound	1	2	3	4	5	6	Avg	%RSD
30) l9	1268-2	0.206	0.171	0.181	0.173	0.165	0.172	0.178	8.13
31) l9	1268-3	0.166	0.143	0.151	0.146	0.140	0.146	0.149	6.17
32) l9	1268-4	0.073	0.064	0.068	0.064	0.061	0.065	0.066	6.00
33) l9	1268-5	0.493	0.433	0.461	0.447	0.428	0.448	0.452	5.19
34) i	1248_1br2nb	----------ISTD----------							
35) l7	1248-1	0.067	0.064	0.061	0.061	0.062	0.059	0.062	4.28
36) l7	1248-2	0.084	0.079	0.076	0.072	0.072	0.068	0.075	7.90
37) l7	1248-3	0.074	0.068	0.065	0.063	0.064	0.060	0.066	7.46
38) l7	1248-4	0.060	0.057	0.055	0.054	0.055	0.053	0.055	4.57
39) l7	1248-5	0.056	0.052	0.050	0.049	0.050	0.047	0.051	6.31
40) i	3262_1br2nb	----------ISTD----------							
41) l5	1232-1	0.034	0.034	0.031	0.031	0.028	0.027	0.031	9.45
42) l5	1232-2	0.033	0.032	0.028	0.028	0.026	0.025	0.029	10.82
43) l5	1232-3	0.063	0.062	0.057	0.058	0.054	0.054	0.058	6.51
44) l5	1232-4	0.026	0.026	0.024	0.024	0.022	0.021	0.024	8.22
45) l5	1232-5	0.019	0.019	0.017	0.017	0.016	0.016	0.017	7.73
46) l8	1262-1	0.086	0.085	0.078	0.079	0.073	0.072	0.079	7.77
47) l8	1262-2	0.116	0.110	0.100	0.100	0.092	0.092	0.102	9.52
48) l8	1262-3	0.097	0.097	0.089	0.091	0.084	0.083	0.090	6.89
49) l8	1262-4	0.203	0.188	0.174	0.180	0.168	0.167	0.180	7.55
50) l8	1262-5	0.072	0.063	0.059	0.060	0.056	0.056	0.061	10.09

Signal #2 Calibration Files
1 =21201015-29.D 2 =21201015-30.D 3 =21201015-31.D 4 =21201015-32.D 5 =21201015-33.D
6 =21201015-34.D

	Compound	1	2	3	4	5	6	Avg	%RSD
1) i	1660_1br2nb	----------ISTD----------							
2) s	2,4,5,6-Tetra...	1.390	1.290	1.246	1.193	1.277	1.218	1.269	5.47

Method Path : I:\Pest21\data\2020\21201015icalb\
Method File : P21_pcb_10_15_20_ugL_ICAL.m
Title : pcb
Last Update : Wed Nov 11 12:56:27 2020
Response Via : Initial Calibration

Calibration Files
1 =21201015-29.D 2 =21201015-30.D 3 =21201015-31.D 4 =21201015-32.D 5 =21201015-33.D
6 =21201015-34.D

		Compound	1	2	3	4	5	6	Avg	%RSD
3)	s	Decachlorobip...	1.033	0.876	0.841	0.789	0.836	0.795	0.862	10.43
4)	l1	1016-1	0.026	0.024	0.022	0.019	0.020	0.019	0.022	12.79
5)	l1	1016-2	0.056	0.050	0.047	0.042	0.044	0.041	0.047	12.06
6)	l1	1016-3	0.109	0.100	0.095	0.089	0.094	0.088	0.096	8.15
7)	l1	1016-4	0.044	0.041	0.036	0.035	0.035	0.034	0.038	10.42
8)	l1	1016-5	0.035	0.033	0.030	0.028	0.029	0.027	0.030	9.60
9)	l2	1260-1	0.065	0.062	0.057	0.053	0.056	0.052	0.058	8.80
10)	l2	1260-2	0.077	0.072	0.068	0.063	0.067	0.062	0.068	8.09
11)	l2	1260-3	0.064	0.060	0.057	0.053	0.056	0.053	0.057	7.86
12)	l2	1260-4	0.128	0.122	0.118	0.112	0.119	0.113	0.119	4.95
13)	l2	1260-5	0.089	0.085	0.080	0.076	0.081	0.077	0.081	6.29
14)	i	2154_1br2nb	----------ISTD----------							
15)	l3	1221-1	0.015	0.013	0.013	0.012	0.012	0.012	0.013	9.56
16)	l3	1221-2	0.009	0.009	0.009	0.007	0.007	0.007	0.008	11.63
17)	l3	1221-3	0.034	0.031	0.030	0.027	0.026	0.026	0.029	10.52
18)	l4	1254-1	0.049	0.044	0.043	0.039	0.039	0.039	0.042	9.26
19)	l4	1254-2	0.059	0.051	0.049	0.044	0.044	0.044	0.049	12.39
20)	l4	1254-3	0.080	0.074	0.073	0.068	0.067	0.069	0.072	7.07
21)	l4	1254-4	0.051	0.050	0.049	0.045	0.043	0.045	0.047	7.01
22)	l4	1254-5	0.077	0.072	0.071	0.065	0.065	0.066	0.069	7.06
23)	i	4268_1br2nb	----------ISTD----------							
24)	l6	1242-1	0.020	0.017	0.017	0.015	0.014	0.014	0.016	12.36
25)	l6	1242-2	0.044	0.037	0.037	0.034	0.032	0.032	0.036	12.89
26)	l6	1242-3	0.083	0.072	0.074	0.070	0.067	0.068	0.072	7.77
27)	l6	1242-4	0.035	0.030	0.031	0.028	0.026	0.027	0.029	11.16
28)	l6	1242-5	0.028	0.023	0.024	0.023	0.021	0.022	0.024	10.33
29)	l9	1268-1	0.158	0.136	0.145	0.141	0.134	0.141	0.142	5.89
30)	l9	1268-2	0.147	0.123	0.130	0.125	0.119	0.123	0.128	7.96
31)	l9	1268-3	0.121	0.103	0.109	0.106	0.101	0.105	0.107	6.61
32)	l9	1268-4	0.053	0.047	0.049	0.046	0.045	0.047	0.048	5.79
33)	l9	1268-5	0.348	0.309	0.334	0.322	0.310	0.251	0.312	10.68

Method Path : I:\Pest21\data\2020\21201015icalb\
Method File : P21_pcb_10_15_20_ugL_ICAL.m
Title : pcb
Last Update : Wed Nov 11 12:56:27 2020
Response Via : Initial Calibration

Calibration Files
1 =21201015-29.D 2 =21201015-30.D 3 =21201015-31.D 4 =21201015-32.D 5 =21201015-33.D
6 =21201015-34.D

		Compound	1	2	3	4	5	6	Avg	%RSD
34)	i	1248_1br2nb	----------ISTD----------							
35)	l7	1248-1	0.057	0.053	0.050	0.048	0.049	0.047	0.050	7.37
36)	l7	1248-2	0.037	0.033	0.031	0.029	0.030	0.028	0.031	10.60
37)	l7	1248-3	0.045	0.041	0.038	0.037	0.038	0.035	0.039	9.10
38)	l7	1248-4	0.049	0.045	0.042	0.041	0.041	0.040	0.043	8.08
39)	l7	1248-5	0.055	0.051	0.047	0.046	0.047	0.044	0.048	8.17
40)	i	3262_1br2nb	----------ISTD----------							
41)	l5	1232-1	0.028	0.028	0.024	0.024	0.021	0.021	0.024	12.40
42)	l5	1232-2	0.028	0.027	0.024	0.023	0.021	0.020	0.024	13.11
43)	l5	1232-3	0.052	0.051	0.046	0.046	0.042	0.042	0.046	8.72
44)	l5	1232-4	0.022	0.020	0.019	0.018	0.017	0.016	0.019	11.52
45)	l5	1232-5	0.016	0.015	0.014	0.013	0.012	0.012	0.014	11.95
46)	l8	1262-1	0.061	0.059	0.053	0.053	0.048	0.047	0.054	10.46
47)	l8	1262-2	0.081	0.082	0.075	0.073	0.067	0.066	0.074	9.27
48)	l8	1262-3	0.081	0.075	0.068	0.069	0.064	0.063	0.070	9.88
49)	l8	1262-4	0.144	0.139	0.129	0.132	0.122	0.122	0.131	6.81
50)	l8	1262-5	0.054	0.051	0.046	0.047	0.044	0.044	0.048	8.07

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:28 pm
Operator : pest21:kb
Sample : il14268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 12:57:23 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 12:57:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.097	1.161	599.0E6	2460.3E6	250.000	250.000
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:28 pm
Operator : pest21:kb
Sample : il14268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 12:57:23 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 12:57:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.513	1.751	5994154	19263497	118.132M4	119.656M4
25) l6	1242-2	1.661	1.942	13526105	43387741	118.539M4	122.846M4
26) l6	1242-3	1.868	2.170	24506420	81387228	110.010	114.124M4
27) l6	1242-4	1.928	2.237	11068793	34631155	116.706	119.678M1
28) l6	1242-5	2.321	2.673	8429437	27647048	116.282	119.019M4
Sum	1242-1			63524909	206.3E6	579.669	595.323
Average	1242-1					115.934	119.065
29) l9	1268-1	3.552	4.026	50095163	155.1E6	108.795	110.621
30) l9	1268-2	3.574	4.054	49307042	144.8E6	115.560	115.229
31) l9	1268-3	3.683	4.200	39716056	118.7E6	111.470	112.337
32) l9	1268-4	3.878	4.361	17446425	51688179	110.616	110.404
33) l9	1268-5	4.039	4.552	118.1E6	342.7E6	109.138	111.521
Sum	1268-1			274.7E6	813.0E6	N.D.	N.D. D
Average	1268-1					111.116	112.022
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:28 pm
Operator : pest21:kb
Sample : il14268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 12:57:23 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 12:57:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

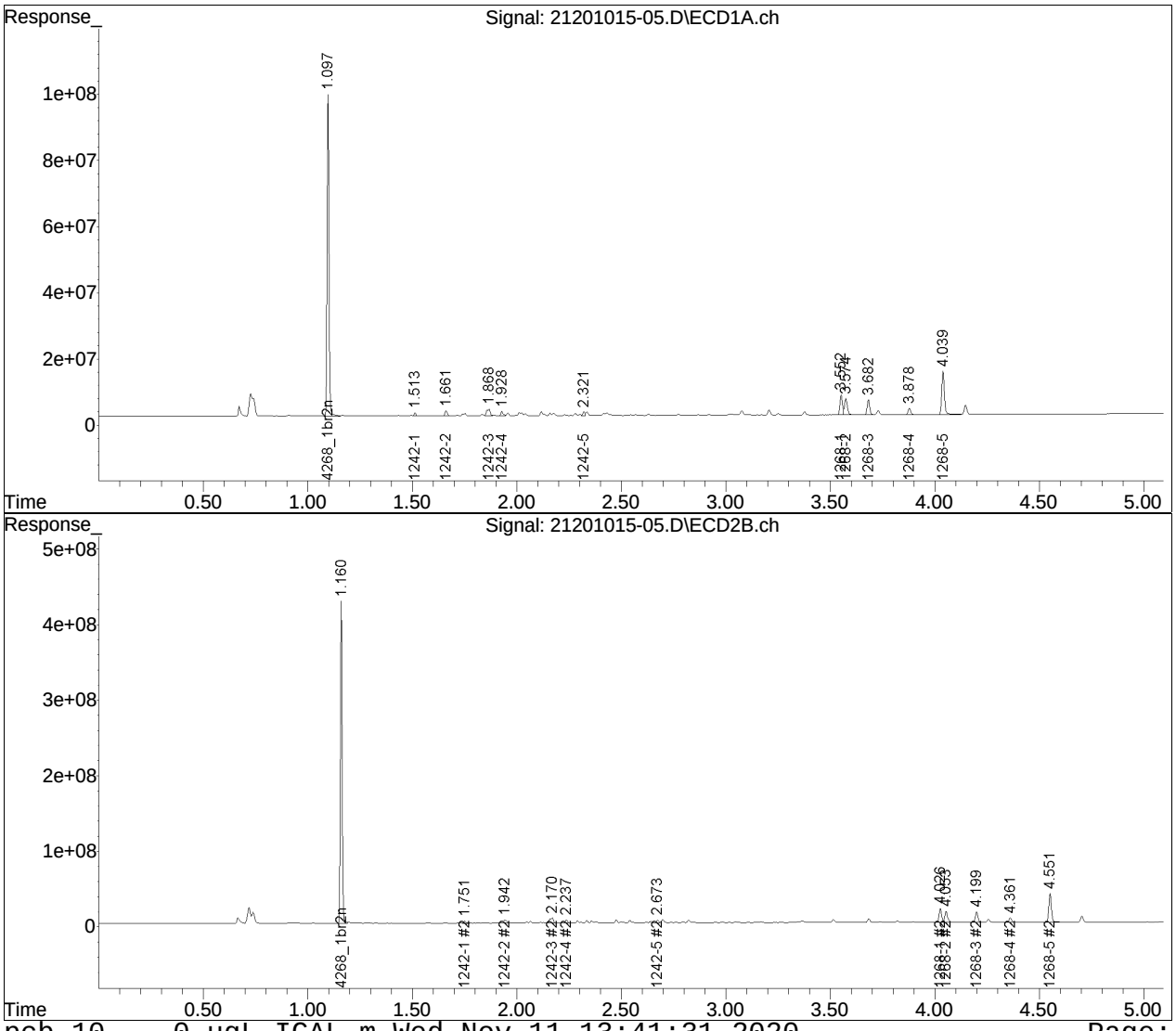
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:28 pm
Operator : pest21:kb
Sample : il14268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 12:57:23 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 12:57:09 2020
Response via : Initial Calibration
Integrator: ChemStation

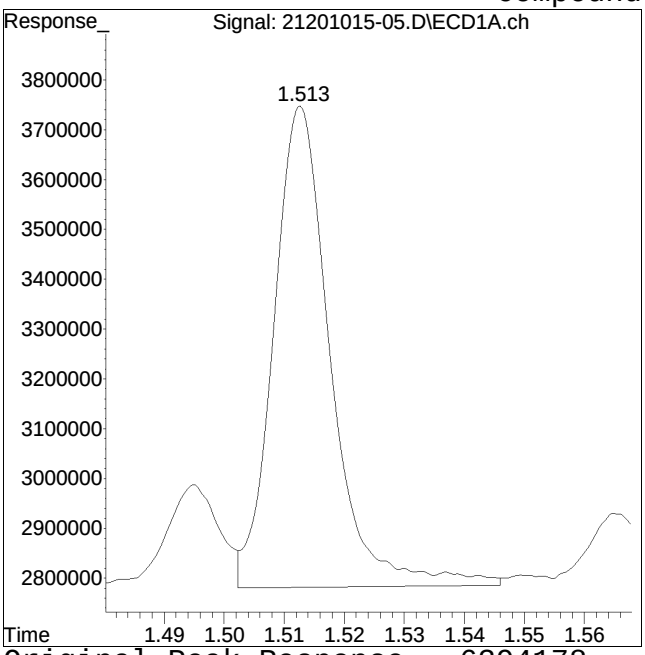
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



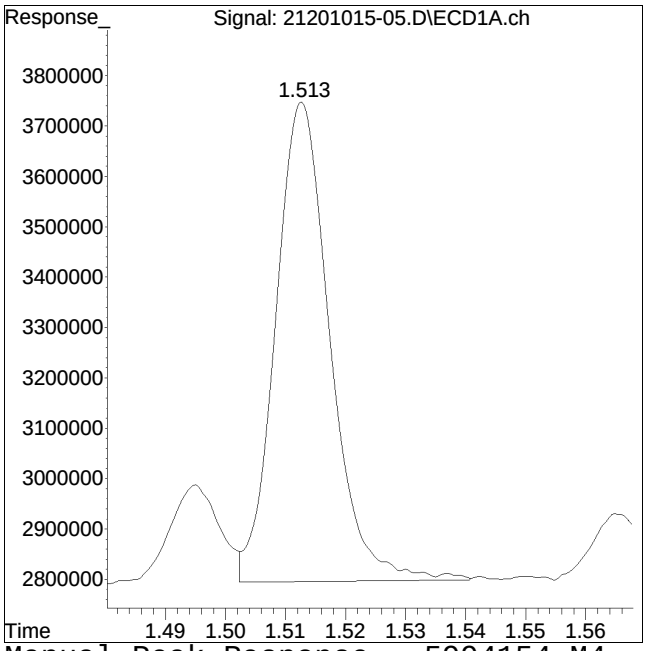
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-05.D Operator : pest21:kb
Date Inj'd : 10/15/2020 1:28 pm Instrument : Pest 21
Sample : il14268,42e,,10150 Quant Date : 11/11/2020 12:57 pm

Compound #24: 1242-1



Original Peak Response = 6394178



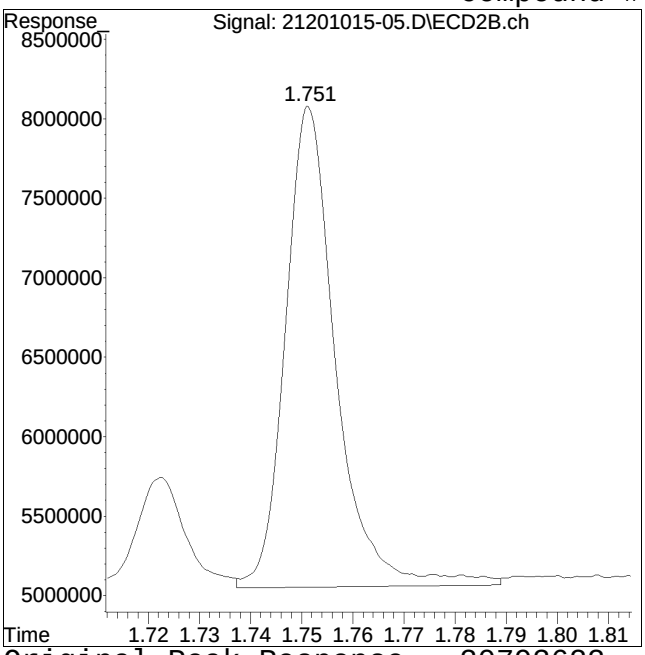
Manual Peak Response = 5994154 M4

M4 = Poor automated baseline construction.

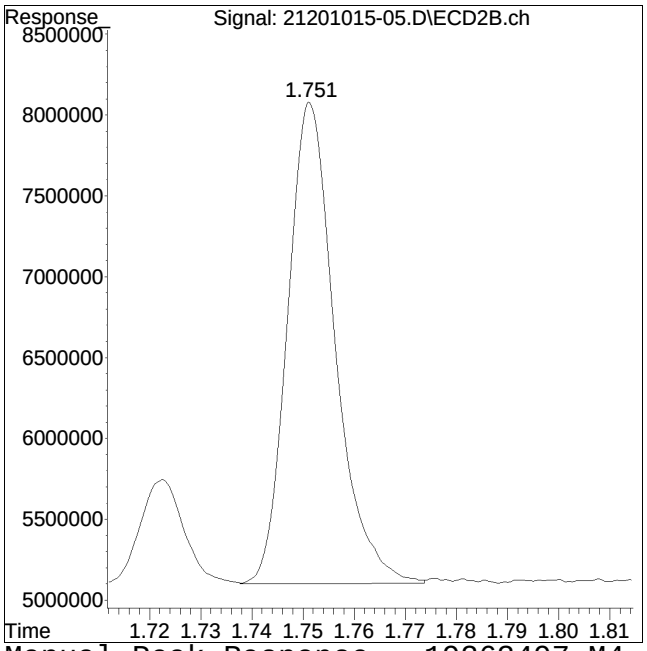
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-05.D Operator : pest21:kb
Date Inj'd : 10/15/2020 1:28 pm Instrument : Pest 21
Sample : il14268,42e,,10150 Quant Date : 11/11/2020 12:57 pm

Compound #75: 1242-1 #2



Original Peak Response = 20793622



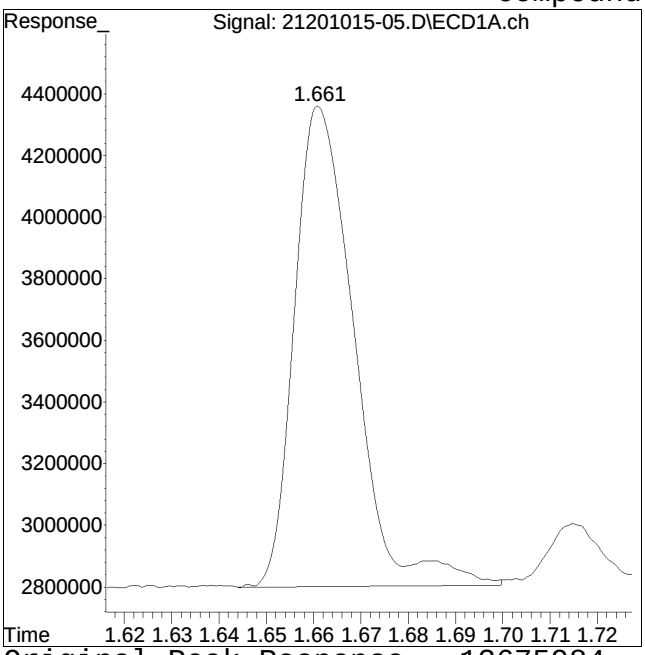
Manual Peak Response = 19263497 M4

M4 = Poor automated baseline construction.

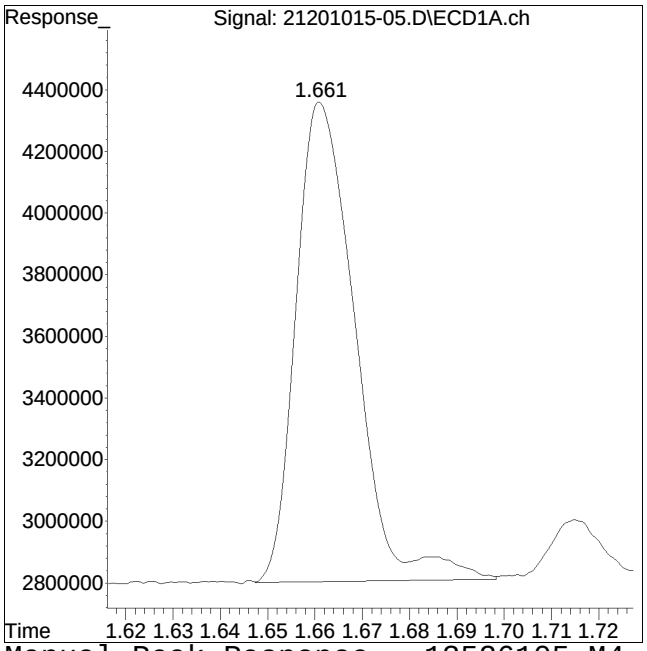
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-05.D Operator : pest21:kb
Date Inj'd : 10/15/2020 1:28 pm Instrument : Pest 21
Sample : il14268,42e,,10150 Quant Date : 11/11/2020 12:57 pm

Compound #25: 1242-2



Original Peak Response = 13675984



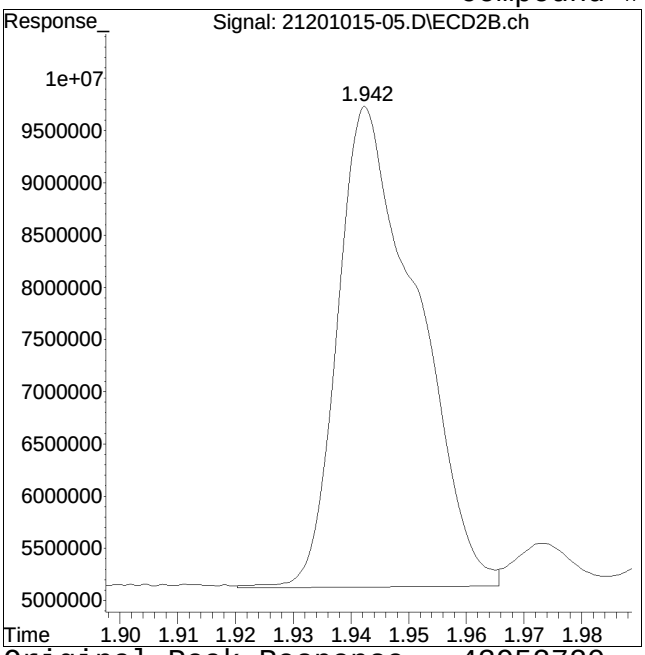
Manual Peak Response = 13526105 M4

M4 = Poor automated baseline construction.

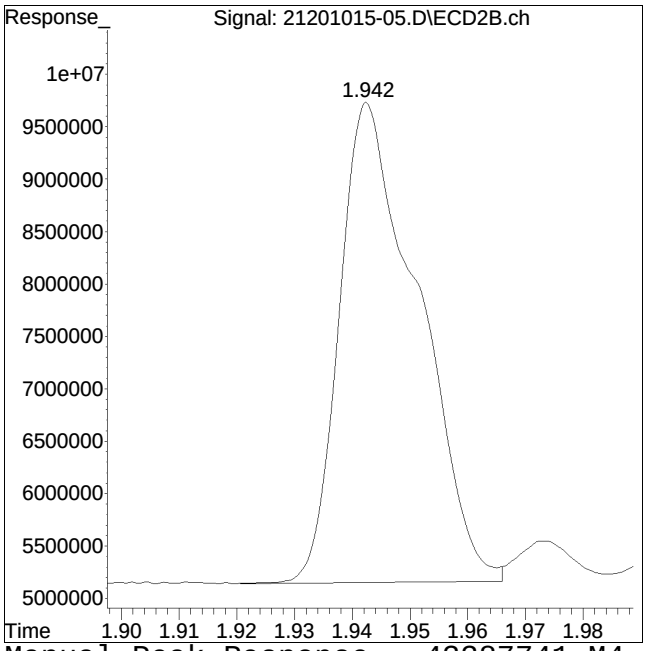
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-05.D Operator : pest21:kb
Date Inj'd : 10/15/2020 1:28 pm Instrument : Pest 21
Sample : il14268,42e,,10150 Quant Date : 11/11/2020 12:57 pm

Compound #76: 1242-2 #2



Original Peak Response = 43952720



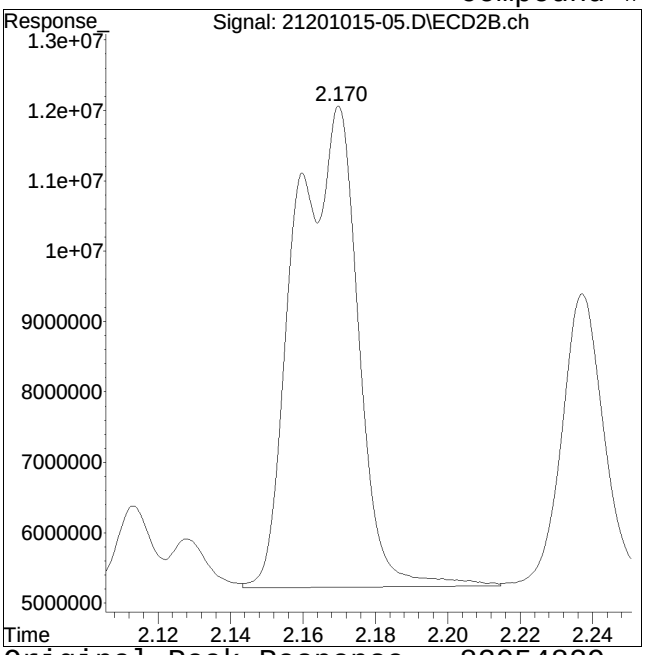
Manual Peak Response = 43387741 M4

M4 = Poor automated baseline construction.

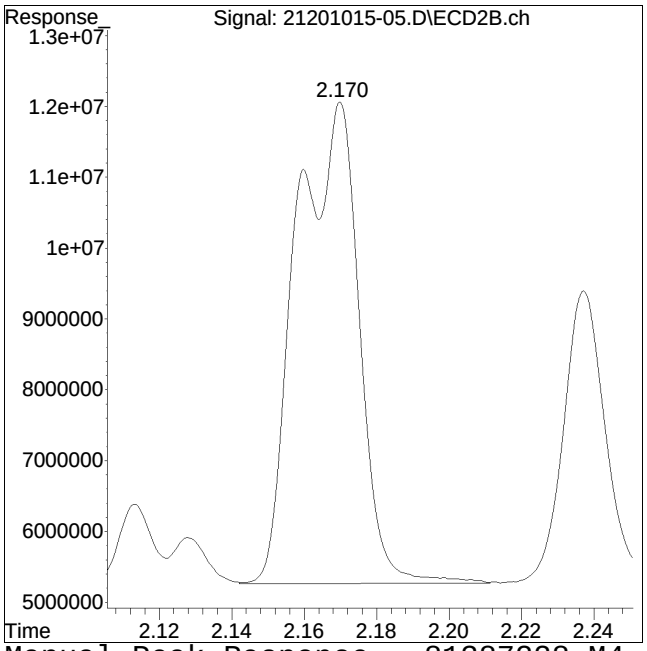
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-05.D Operator : pest21:kb
Date Inj'd : 10/15/2020 1:28 pm Instrument : Pest 21
Sample : il14268,42e,,10150 Quant Date : 11/11/2020 12:57 pm

Compound #77: 1242-3 #2



Original Peak Response = 82954829



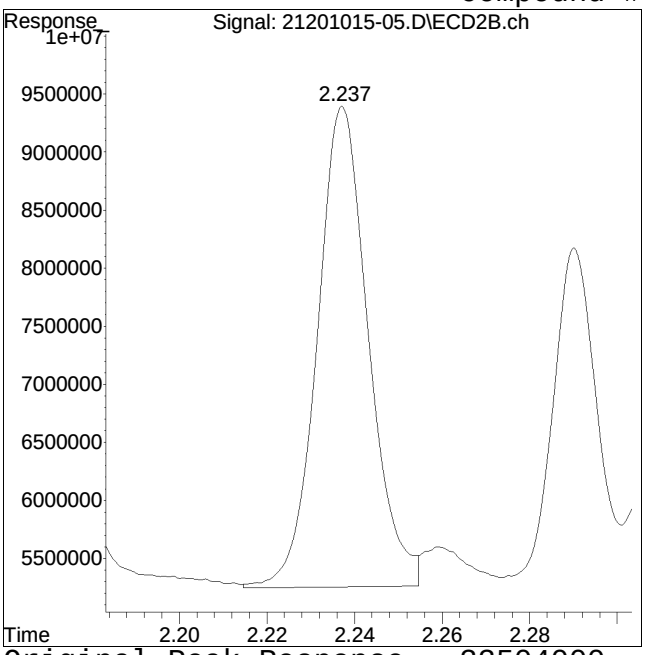
Manual Peak Response = 81387228 M4

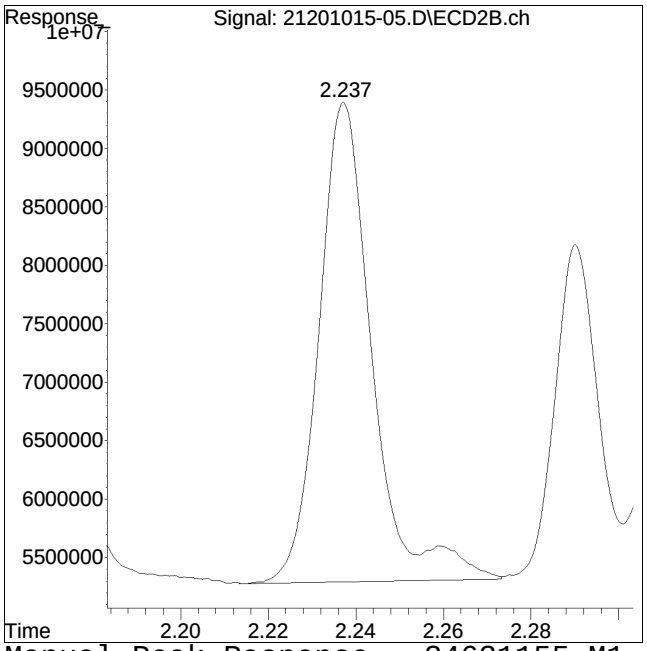
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-05.D Operator : pest21:kb
Date Inj'd : 10/15/2020 1:28 pm Instrument : Pest 21
Sample : il14268,42e,,10150 Quant Date : 11/11/2020 12:57 pm

Compound #78: 1242-4 #2



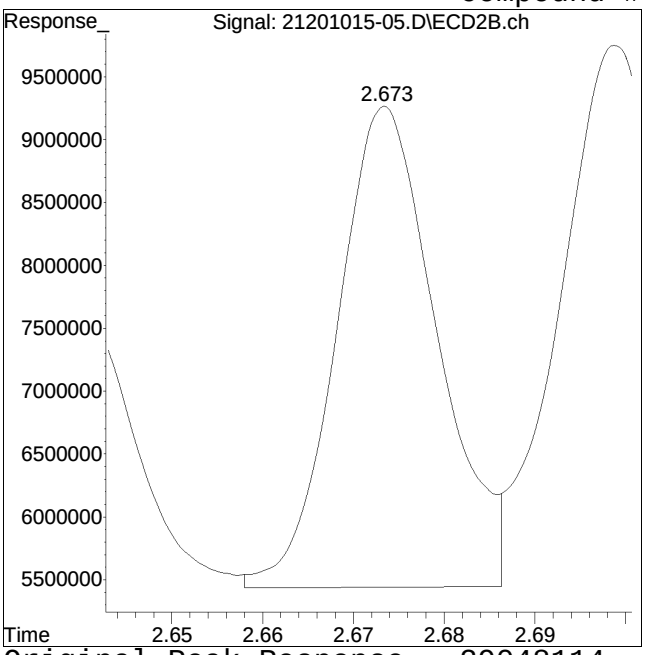


Original Peak Response = 33504000 Manual Peak Response = 34631155 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

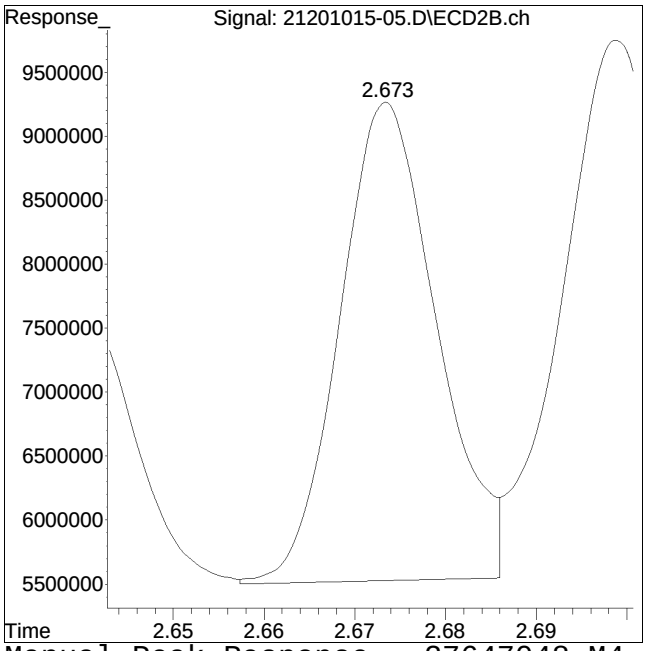
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-05.D Operator : pest21:kb
Date Inj'd : 10/15/2020 1:28 pm Instrument : Pest 21
Sample : il14268,42e,,10150 Quant Date : 11/11/2020 12:57 pm

Compound #79: 1242-5 #2



Original Peak Response = 29048114



Manual Peak Response = 27647048 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:35 pm
Operator : pest21:kb
Sample : il24268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 12:57:47 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 12:57:33 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.096	1.163	627.4E6	2567.1E6	250.000	250.000
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:35 pm
Operator : pest21:kb
Sample : il24268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 12:57:47 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 12:57:33 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.510	1.754	27005184	87618415	508.161	521.607
25) l6	1242-2	1.657	1.946	59901317	187.5E6	501.232M1	508.663
26) l6	1242-3	1.864	2.172	113.3E6	368.7E6	485.455	495.567
27) l6	1242-4	1.924	2.240	50043085	152.7E6	503.794	505.841
28) l6	1242-5	2.316	2.675	36741217	120.5E6	483.930	497.080
Sum	1242-1			287.0E6	917.0E6	2482.572	2528.759
Average	1242-1					496.514	505.752
29) l9	1268-1	3.545	4.025	233.3E6	700.1E6	483.705	478.532
30) l9	1268-2	3.567	4.052	214.8E6	629.5E6	480.569	480.166
31) l9	1268-3	3.676	4.198	179.3E6	528.8E6	480.443	479.606
32) l9	1268-4	3.872	4.359	80513859	239.0E6	487.411	489.255
33) l9	1268-5	4.033	4.549	543.3E6	1585.7E6	479.221	494.538
Sum	1268-1			1251.1E6	3683.1E6	N.D.	N.D. D
Average	1268-1					482.270	484.419
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:35 pm
Operator : pest21:kb
Sample : il24268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 12:57:47 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 12:57:33 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

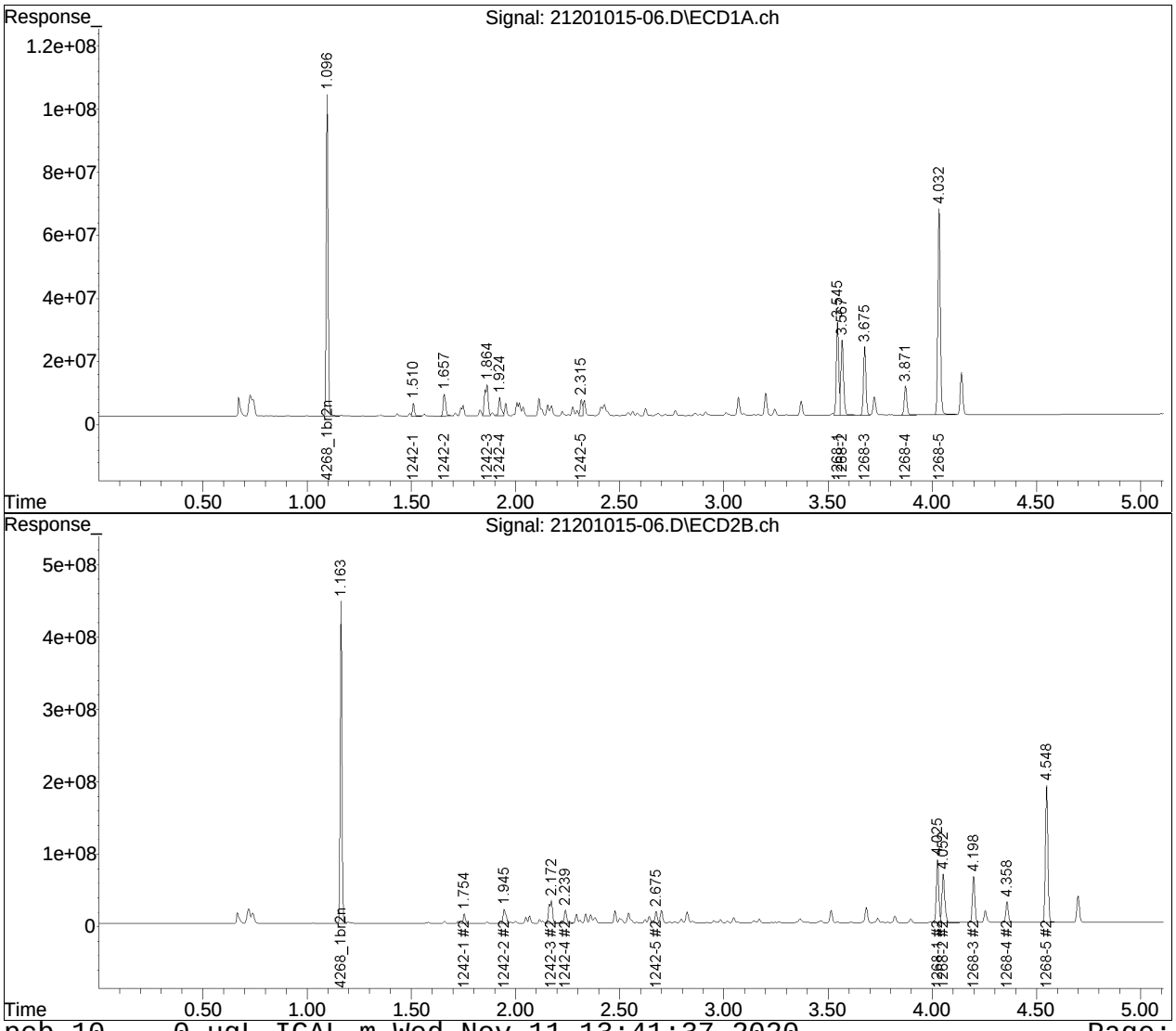
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:35 pm
Operator : pest21:kb
Sample : il24268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 12:57:47 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 12:57:33 2020
Response via : Initial Calibration
Integrator: ChemStation

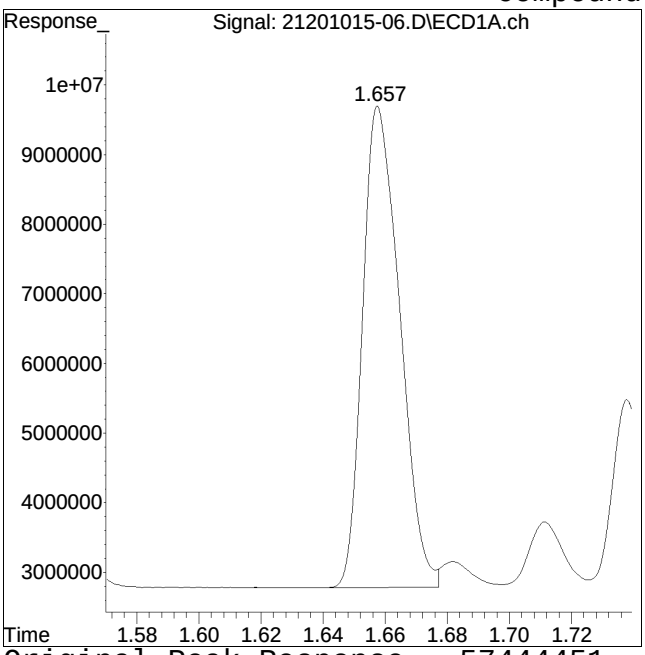
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



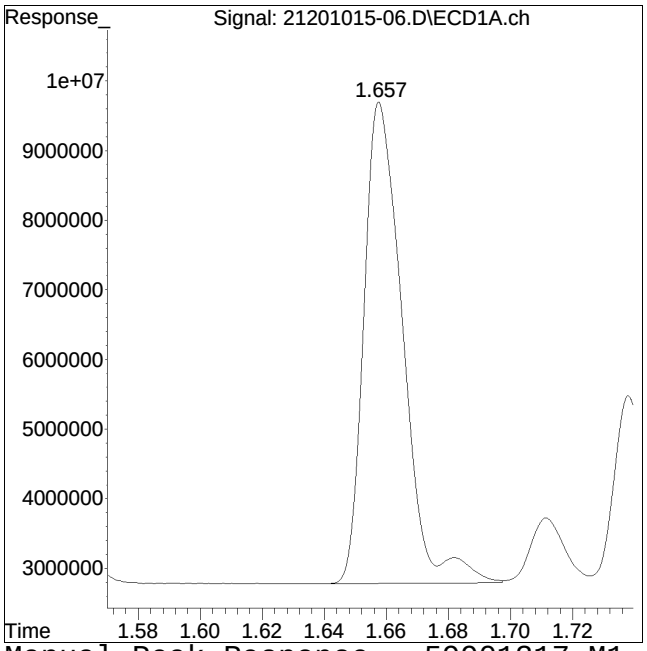
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-06.D Operator : pest21:kb
Date Inj'd : 10/15/2020 1:35 pm Instrument : Pest 21
Sample : il24268,42e,,10150 Quant Date : 11/11/2020 12:57 pm

Compound #25: 1242-2



Original Peak Response = 57444451



Manual Peak Response = 59901317 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:42 pm
Operator : pest21:kb
Sample : il34268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:03:37 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:03:24 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.097	1.164	602.2E6	2476.3E6	250.000	250.000
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:42 pm
Operator : pest21:kb
Sample : il34268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:03:37 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:03:24 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.510	1.755	53273040	171.3E6	1044.369	1057.171
25) l6	1242-2	1.657	1.946	119.3E6	368.9E6	1039.956M1	1037.629
26) l6	1242-3	1.864	2.172	231.5E6	736.5E6	1033.626	1026.009M1
27) l6	1242-4	1.924	2.240	100.5E6	302.5E6	1054.284	1038.508
28) l6	1242-5	2.316	2.675	74439016	240.5E6	1021.460	1028.458
Sum	1242-1			579.0E6	1819.5E6	5193.696	5187.774
Average	1242-1					1038.739	1037.555
29) l9	1268-1	3.545	4.025	474.6E6	1437.8E6	1025.213	1018.748
30) l9	1268-2	3.567	4.053	436.5E6	1283.9E6	1017.538	1015.181
31) l9	1268-3	3.675	4.198	364.9E6	1082.9E6	1018.672	1018.076
32) l9	1268-4	3.871	4.358	162.6E6	482.5E6	1025.473	1023.941
33) l9	1268-5	4.032	4.549	1111.0E6	3303.9E6	1021.054	1068.197
Sum	1268-1			2549.5E6	7590.9E6	N.D.	N.D. D
Average	1268-1					1021.590	1028.828
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:42 pm
Operator : pest21:kb
Sample : il34268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:03:37 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:03:24 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

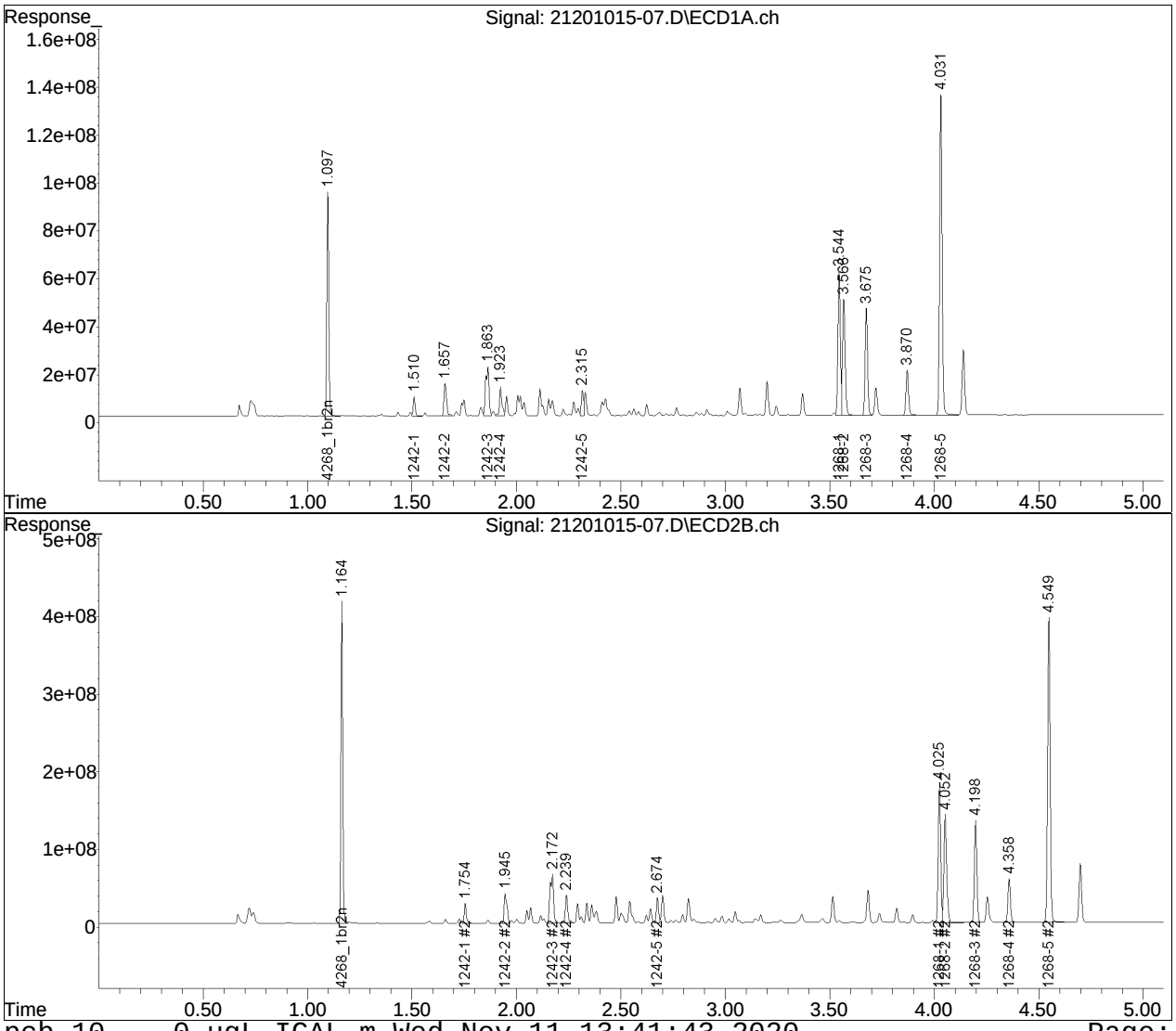
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:42 pm
Operator : pest21:kb
Sample : il34268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:03:37 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:03:24 2020
Response via : Initial Calibration
Integrator: ChemStation

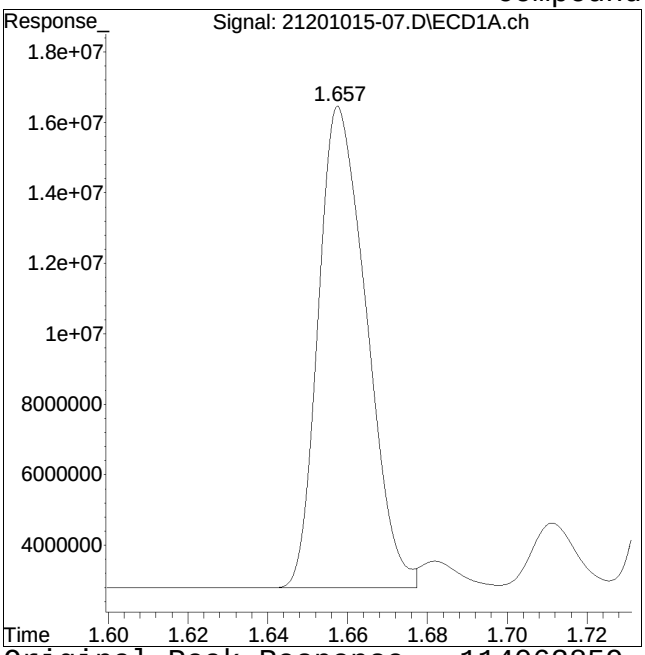
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

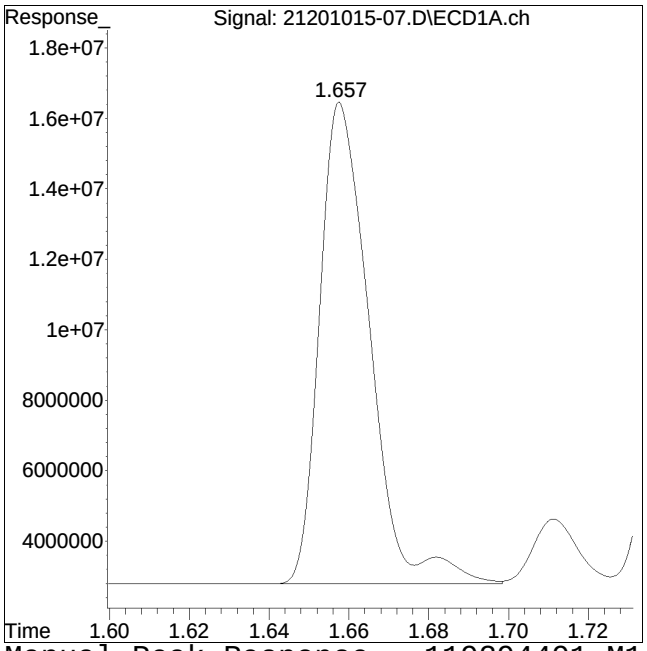


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-07.D Operator : pest21:kb
Date Inj'd : 10/15/2020 1:42 pm Instrument : Pest 21
Sample : il34268,42e,,10150 Quant Date : 11/11/2020 1:03 pm

Compound #25: 1242-2



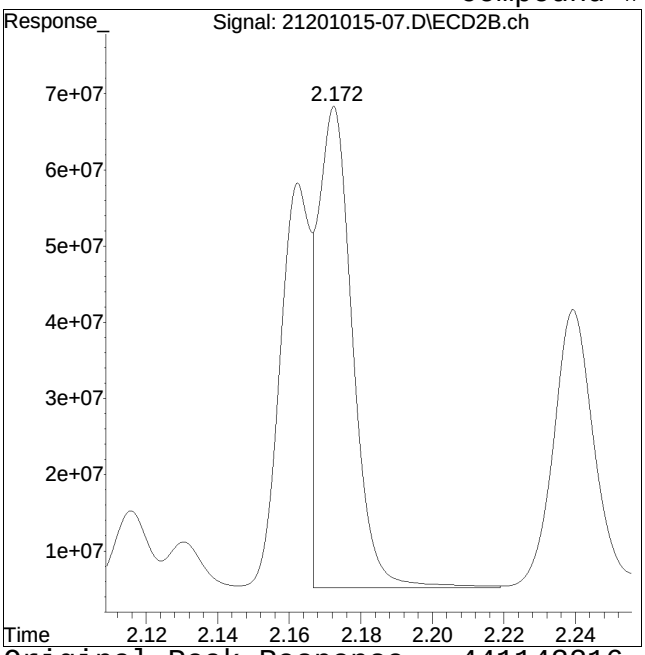


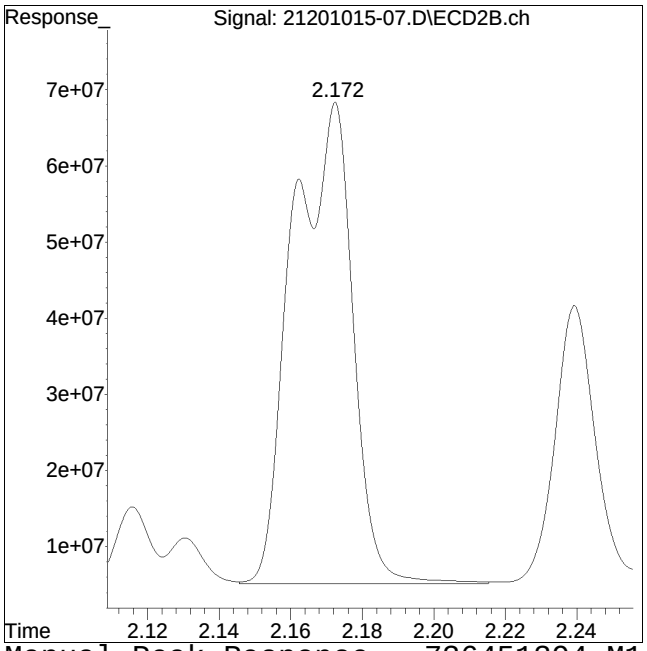
Original Peak Response = 114062859 Manual Peak Response = 119294491 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-07.D Operator : pest21:kb
Date Inj'd : 10/15/2020 1:42 pm Instrument : Pest 21
Sample : il34268,42e,,10150 Quant Date : 11/11/2020 1:03 pm

Compound #77: 1242-3 #2





Original Peak Response = 441142216 Manual Peak Response = 736451394 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:49 pm
Operator : pest21:kb
Sample : il44268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:04:47 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:04:34 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.096	1.163	627.2E6	2566.4E6	250.000	250.000
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:49 pm
Operator : pest21:kb
Sample : il44268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:04:47 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:04:34 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.510	1.754	127.1E6	397.7E6	2392.699	2368.011
25) l6	1242-2	1.658	1.945	287.1E6	870.2E6	2403.242	2361.853
26) l6	1242-3	1.863	2.172	574.4E6	1809.3E6	2462.593	2432.156
27) l6	1242-4	1.923	2.239	243.4E6	716.5E6	2450.685	2373.656M1
28) l6	1242-5	2.315	2.674	183.6E6	578.4E6	2418.463	2387.099
Sum	1242-1			1415.6E6	4372.0E6	12127.680	11922.775
Average	1242-1					2425.536	2384.555
29) l9	1268-1	3.544	4.025	1187.7E6	3607.8E6	2463.415	2466.635
30) l9	1268-2	3.566	4.052	1085.1E6	3209.2E6	2428.775	2448.411
31) l9	1268-3	3.673	4.198	914.6E6	2719.9E6	2451.637	2467.361
32) l9	1268-4	3.869	4.359	403.6E6	1193.1E6	2443.809	2443.051
33) l9	1268-5	4.031	4.549	2805.0E6	8251.0E6	2474.950	2574.015
Sum	1268-1			6395.9E6	18981.1E6	N.D.	N.D. D
Average	1268-1					2452.517	2479.894
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:49 pm
Operator : pest21:kb
Sample : il44268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:04:47 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:04:34 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

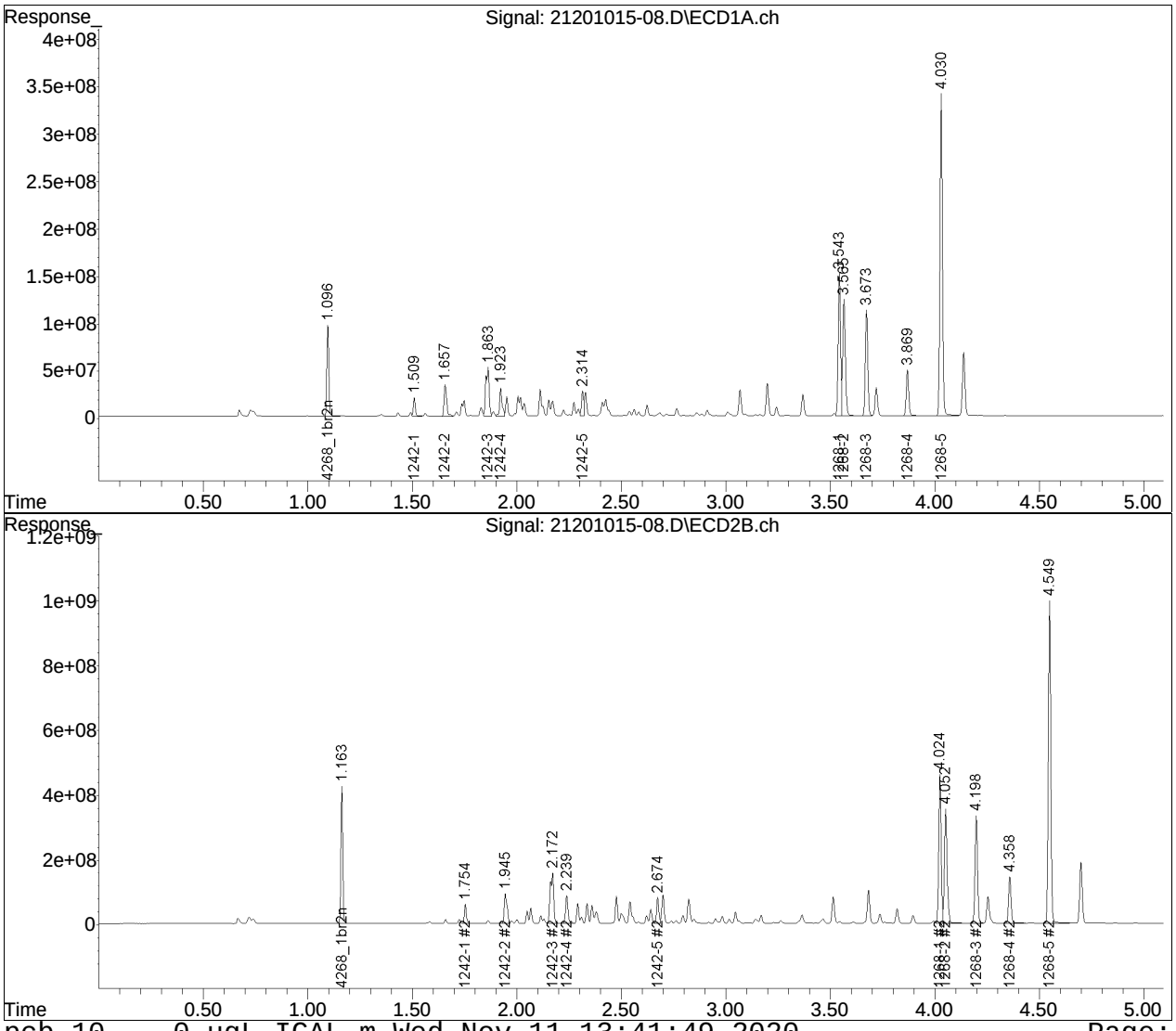
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:49 pm
Operator : pest21:kb
Sample : il44268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:04:47 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:04:34 2020
Response via : Initial Calibration
Integrator: ChemStation

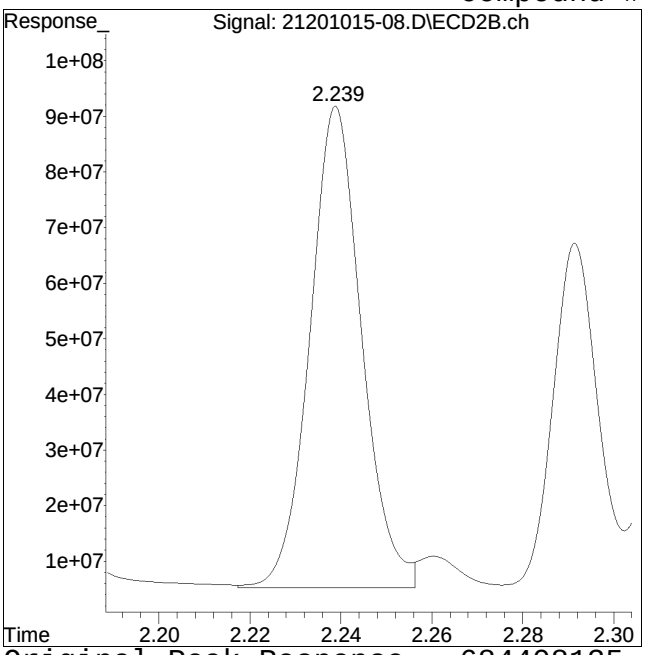
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

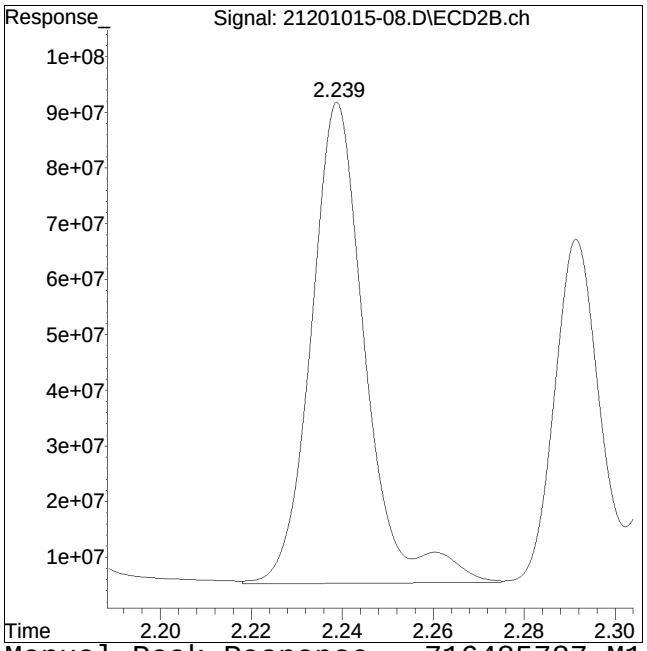


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-08.D Operator : pest21:kb
Date Inj'd : 10/15/2020 1:49 pm Instrument : Pest 21
Sample : il44268,42e,,10150 Quant Date : 11/11/2020 1:04 pm

Compound #78: 1242-4 #2





Original Peak Response = 684408135 Manual Peak Response = 716485787 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:56 pm
Operator : pest21:kb
Sample : il54268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:05:34 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:05:20 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.096	1.163	642.5E6	2633.0E6	250.000	250.000
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:56 pm
Operator : pest21:kb
Sample : il54268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:05:34 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:05:20 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.509	1.754	243.2E6	753.3E6	4468.529	4372.486
25) l6	1242-2	1.657	1.946	548.7E6	1663.5E6	4483.492M1	4400.971
26) l6	1242-3	1.863	2.171	1121.4E6	3532.9E6	4693.201	4629.026
27) l6	1242-4	1.923	2.239	449.6E6	1386.6E6	4420.020	4477.393
28) l6	1242-5	2.314	2.674	358.8E6	1125.1E6	4615.059	4525.806
Sum	1242-1			2721.8E6	8461.4E6	22680.300	22405.681
Average	1242-1					4536.060	4481.136
29) l9	1268-1	3.543	4.024	2333.6E6	7052.6E6	4725.009	4699.819
30) l9	1268-2	3.565	4.052	2126.0E6	6259.3E6	4645.387	4654.618
31) l9	1268-3	3.673	4.197	1799.9E6	5305.2E6	4709.987	4690.976
32) l9	1268-4	3.869	4.357	787.7E6	2348.5E6	4656.495	4687.396
33) l9	1268-5	4.030	4.548	5499.3E6	16326.0E6	4736.834	4964.313
Sum	1268-1			12546.5E6	37291.6E6	N.D.	N.D. D
Average	1268-1					4694.743	4739.424
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:56 pm
Operator : pest21:kb
Sample : il54268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:05:34 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:05:20 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

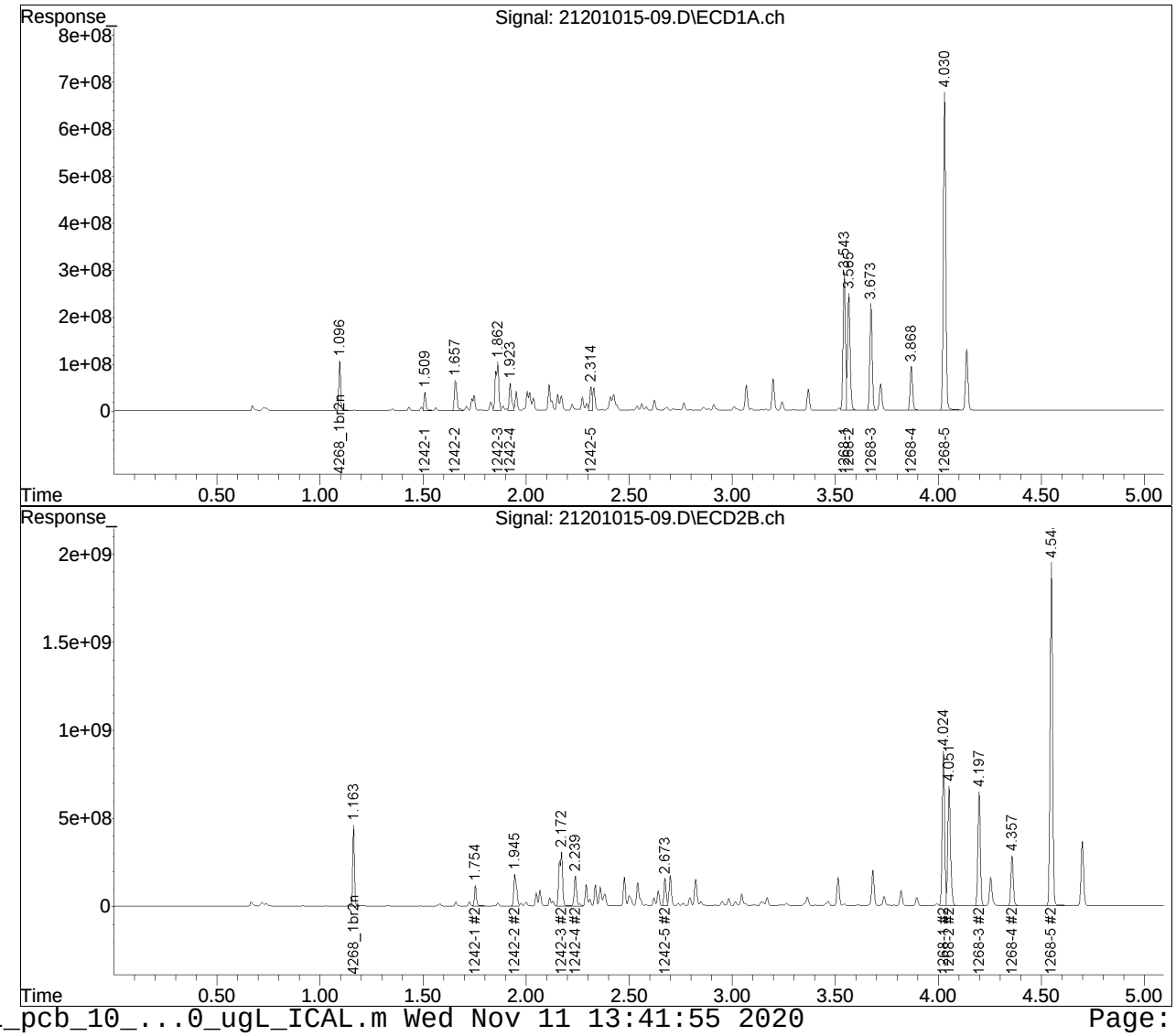
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-09.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 01:56 pm
Operator : pest21:kb
Sample : il54268,42e,,10150
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:05:34 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:05:20 2020
Response via : Initial Calibration
Integrator: ChemStation

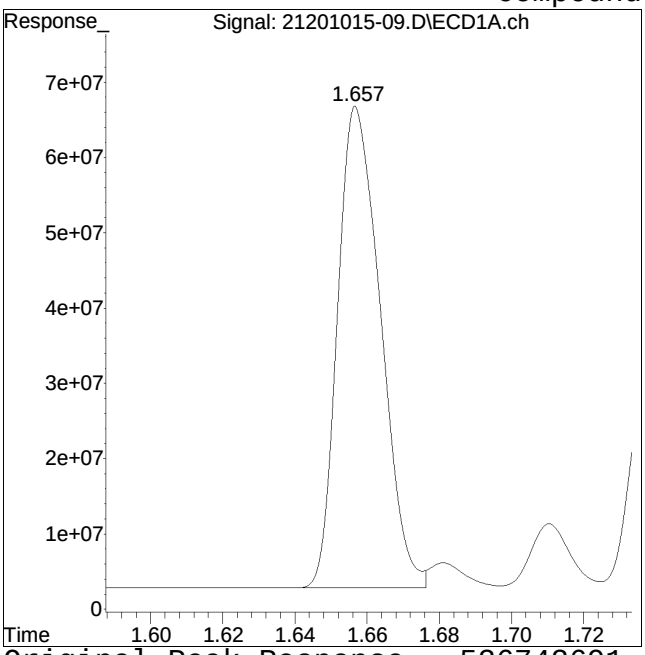
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

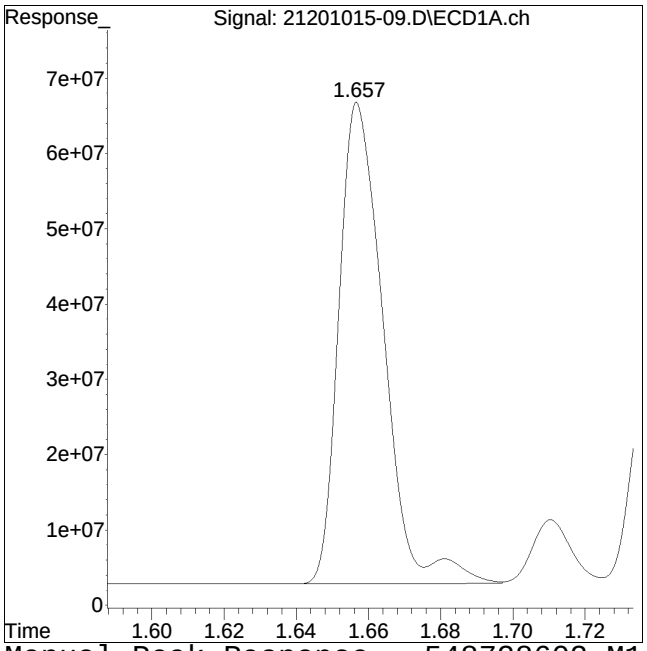


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-09.D Operator : pest21:kb
Date Inj'd : 10/15/2020 1:56 pm Instrument : Pest 21
Sample : il54268,42e,,10150 Quant Date : 11/11/2020 1:05 pm

Compound #25: 1242-2





Original Peak Response = 526742691 Manual Peak Response = 548728602 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:02 pm
Operator : pest21:kb
Sample : il64268,42e,,10150
Misc : WG1433147,, (Sig #1); wg1423917, (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:06:00 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:05:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.096	1.163	623.5E6	2555.2E6	250.000	250.000
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:02 pm
Operator : pest21:kb
Sample : il64268,42e,,10150
Misc : WG1433147,, (Sig #1); wg1423917, (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:06:00 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:05:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.510	1.754	479.2E6	1473.6E6	9072.038	8813.566
25) l6	1242-2	1.657	1.945	1085.9E6	3270.7E6	9141.959M1	8916.487
26) l6	1242-3	1.863	2.172	2253.2E6	6984.0E6	9716.851	9429.458
27) l6	1242-4	1.923	2.238	895.2E6	2729.1E6	9067.869	9080.887M1
28) l6	1242-5	2.315	2.674	722.5E6	2236.9E6	9574.630	9271.907
Sum	1242-1			5435.9E6	16694.2E6	46573.348	45512.306
Average	1242-1					9314.670	9102.461
29) l9	1268-1	3.544	4.024	4740.5E6	14436.9E6	9890.566	9913.649
30) l9	1268-2	3.566	4.051	4286.6E6	12553.2E6	9651.407	9619.125
31) l9	1268-3	3.674	4.197	3646.0E6	10692.2E6	9830.905	9741.983
32) l9	1268-4	3.869	4.357	1616.7E6	4759.3E6	9847.278	9788.111
33) l9	1268-5	4.031	4.552	11174.4E6	25693.1E6	9917.724	8050.466
Sum	1268-1			25464.2E6	68134.6E6	N.D.	N.D. D
Average	1268-1					9827.576	9422.667
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:02 pm
Operator : pest21:kb
Sample : il64268,42e,,10150
Misc : WG1433147,, (Sig #1); wg1423917, (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:06:00 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:05:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

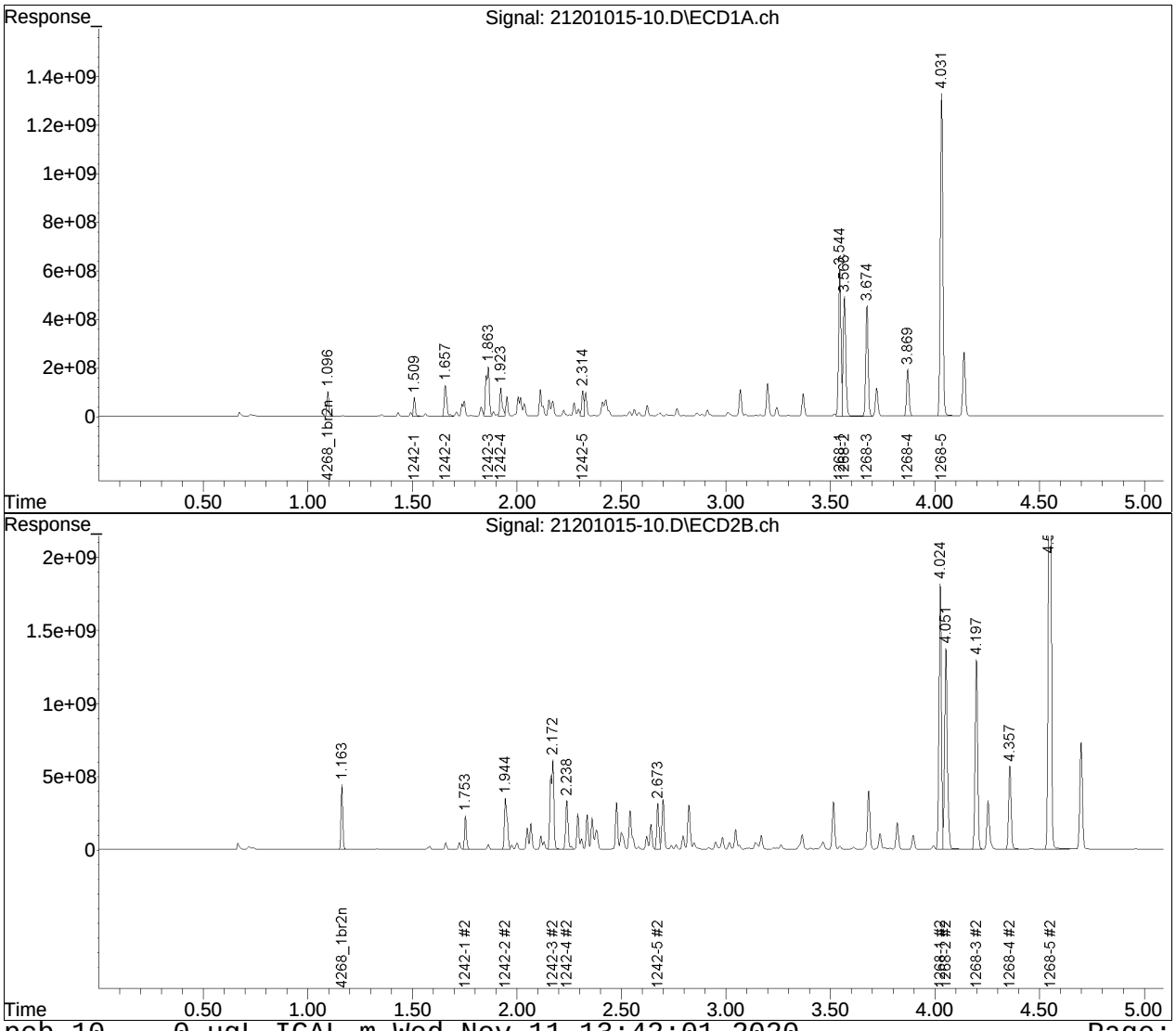
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-10.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:02 pm
Operator : pest21:kb
Sample : il64268,42e,,10150
Misc : WG1433147,, (Sig #1); wg1423917, (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:06:00 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:05:46 2020
Response via : Initial Calibration
Integrator: ChemStation

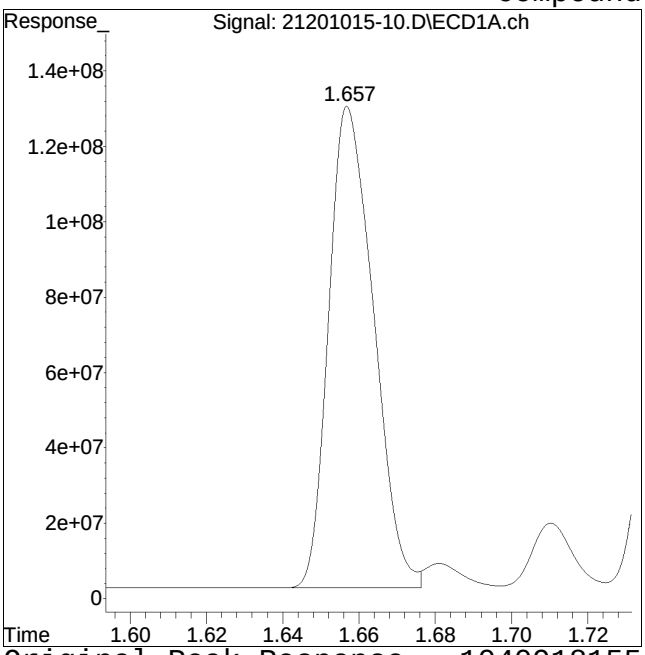
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

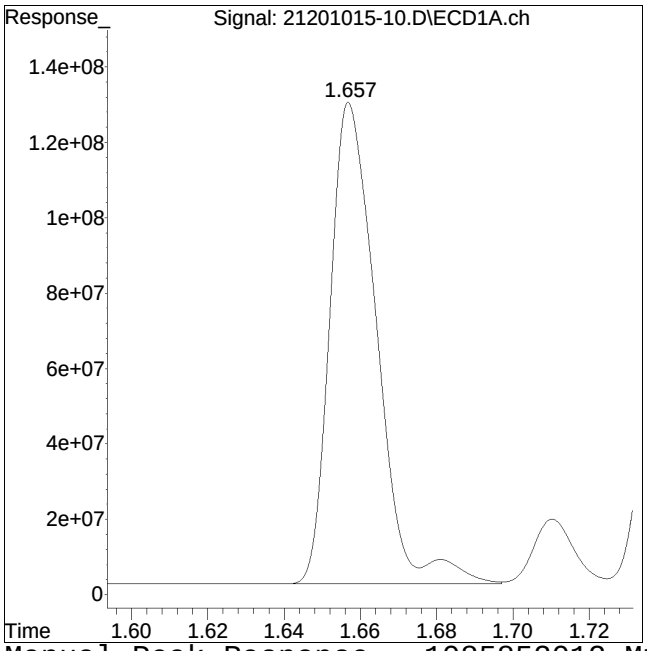


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-10.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:02 pm Instrument : Pest 21
Sample : il64268,42e,,10150 Quant Date : 11/11/2020 1:05 pm

Compound #25: 1242-2



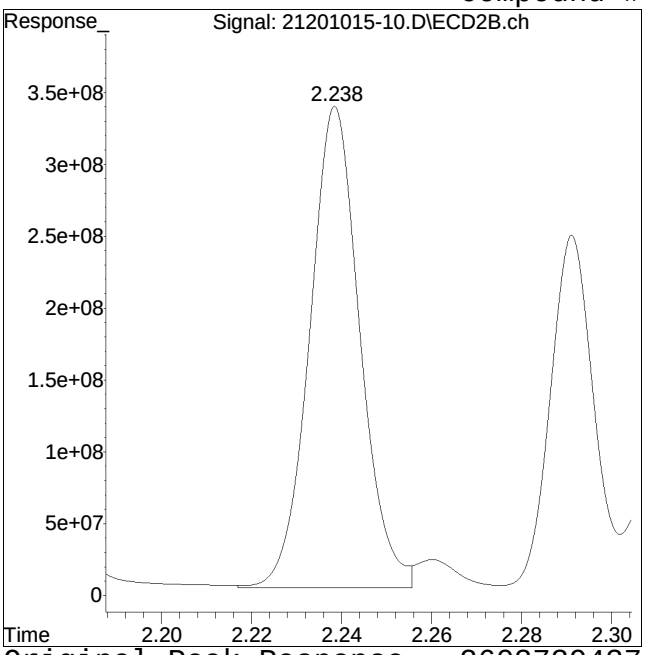


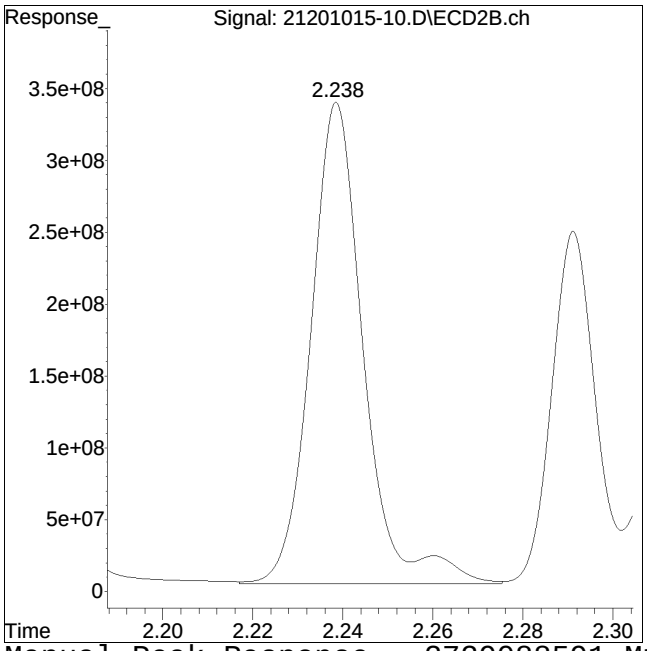
Original Peak Response = 1040918155 Manual Peak Response = 1085852012 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-10.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:02 pm Instrument : Pest 21
Sample : il64268,42e,,10150 Quant Date : 11/11/2020 1:05 pm

Compound #78: 1242-4 #2





Original Peak Response = 2603739437 Manual Peak Response = 2729088591 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:28 pm
Operator : pest21:kb
Sample : il13262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:06:32 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:06:16 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.098	1.159	566.6E6	2301.2E6	250.000	250.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:28 pm
Operator : pest21:kb
Sample : il13262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:06:32 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:06:16 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:28 pm
Operator : pest21:kb
Sample : il13262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:06:32 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:06:16 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	1.515	1.750	7716208	25444698	110.451M4	114.155M4
42) l5	1232-2	1.664	1.941	7453958	25966721	114.887M4	117.263M4
43) l5	1232-3	1.871	2.169	14256843	47566355	108.120M4	111.471M4
44) l5	1232-4	1.932	2.236	5817131	20514765	106.925M4	118.141M4
45) l5	1232-5	2.326	2.673	4207499	14815480	109.394M4	116.668M4
Sum	1232-1			39451638	134.3E6	549.775	577.698
Average	1232-1					109.955	115.540
46) l8	1262-1	2.873	3.265	19571418	56290417	109.735M4	114.241M4
47) l8	1262-2	3.083	3.516	26313686	74866945	114.227M4	109.886M4
48) l8	1262-3	3.217	3.684	22085465	74483545	108.050M4	115.750M4
49) l8	1262-4	3.384f	3.823	45923299	132.9E6	112.630M4	109.806M4
50) l8	1262-5	3.886f	4.364	16324204	49285106	118.223M4	112.683M4
Sum	1262-1			130.2E6	387.8E6	562.865	562.366
Average	1262-1					112.573	112.473

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			130.2E6	387.8E6	562.865	562.366
Average	1262-1					112.573	112.473

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:28 pm
Operator : pest21:kb
Sample : il13262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:06:32 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:06:16 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

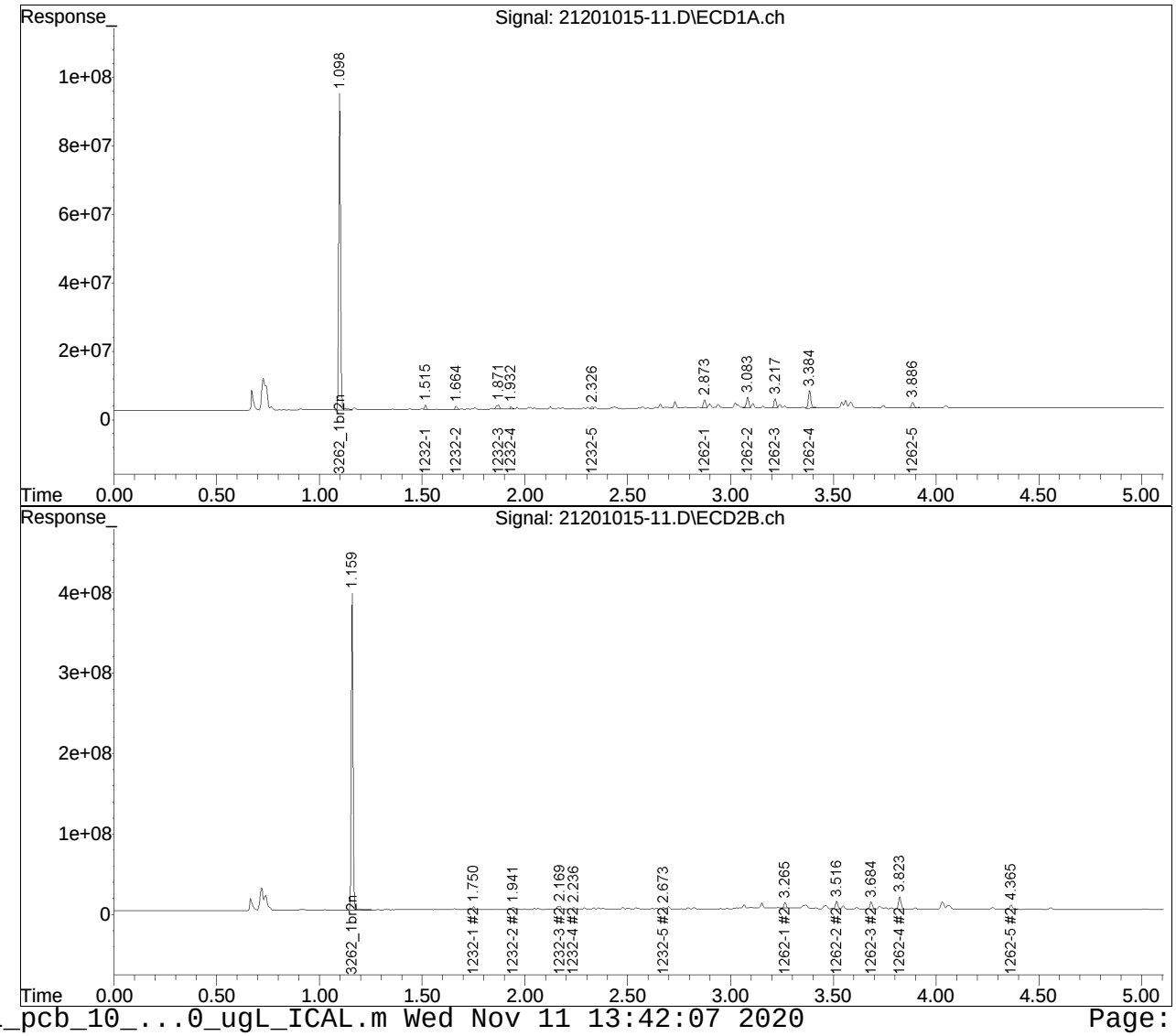
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-11.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:28 pm
Operator : pest21:kb
Sample : il13262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:06:32 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:06:16 2020
Response via : Initial Calibration
Integrator: ChemStation

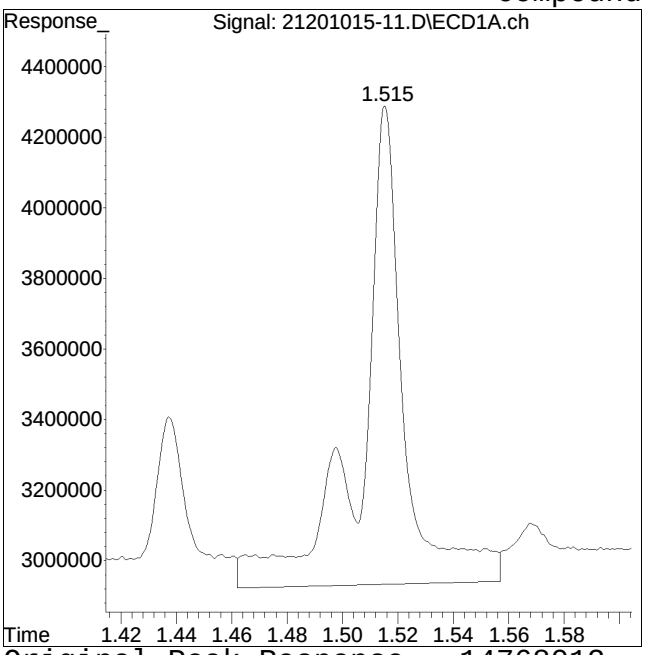
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



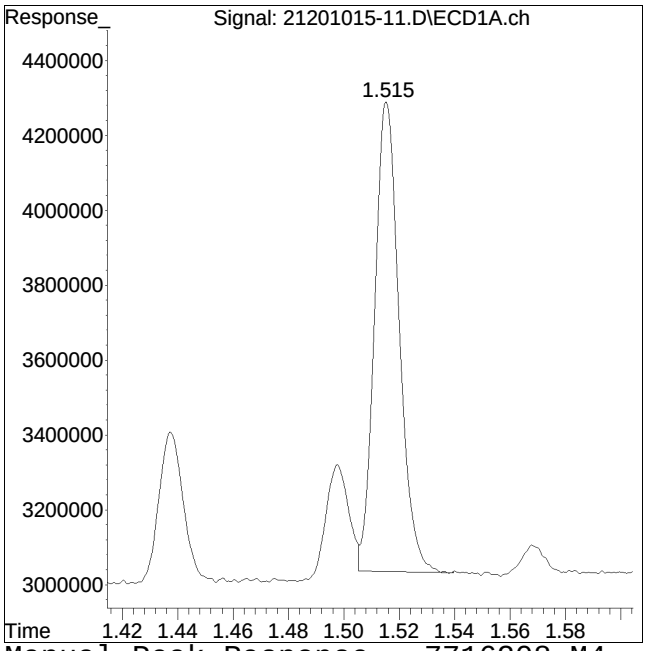
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #41: 1232-1



Original Peak Response = 14768012



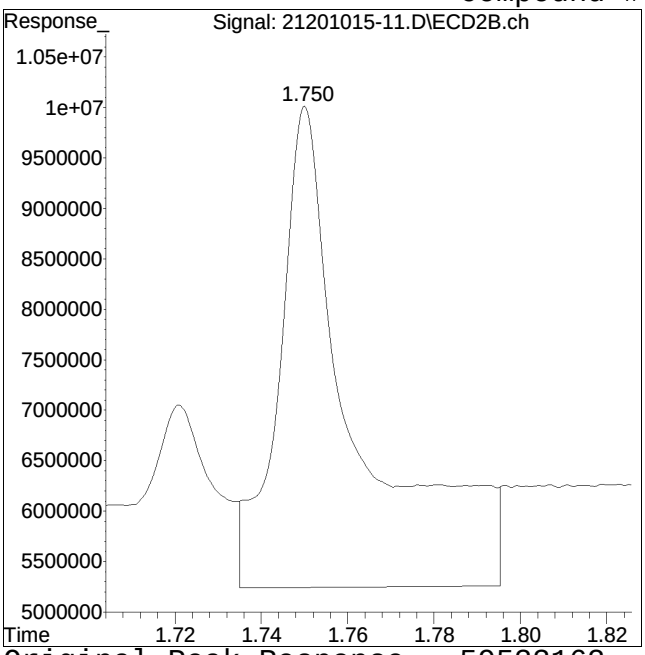
Manual Peak Response = 7716208 M4

M4 = Poor automated baseline construction.

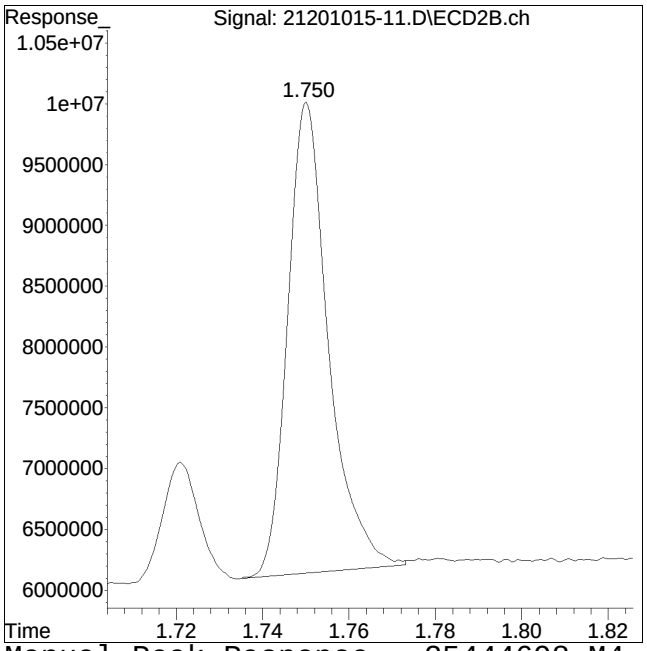
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #92: 1232-1 #2



Original Peak Response = 59533162



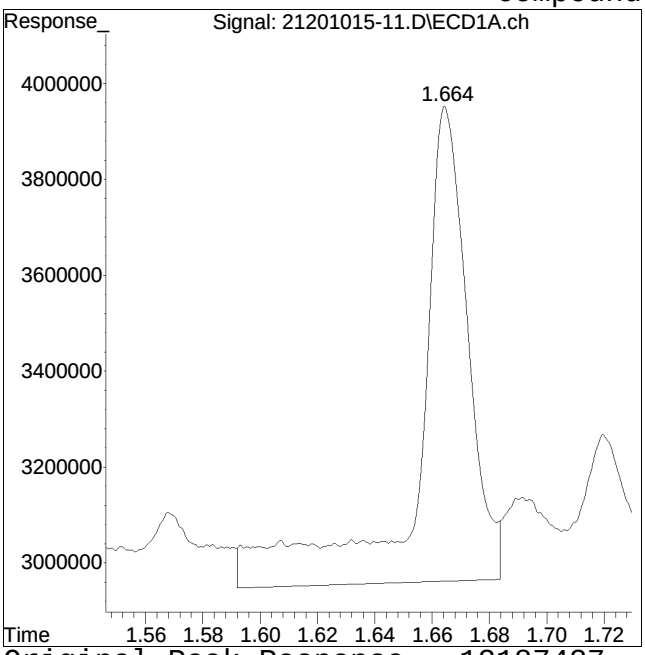
Manual Peak Response = 25444698 M4

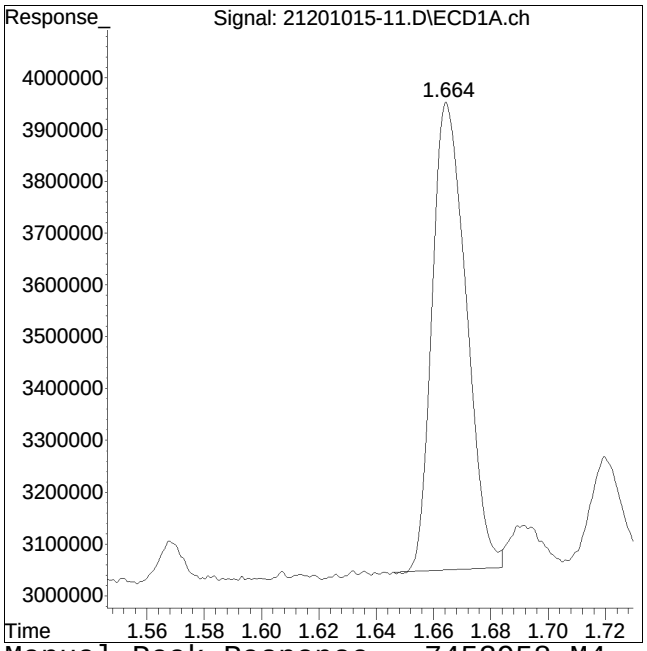
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #42: 1232-2



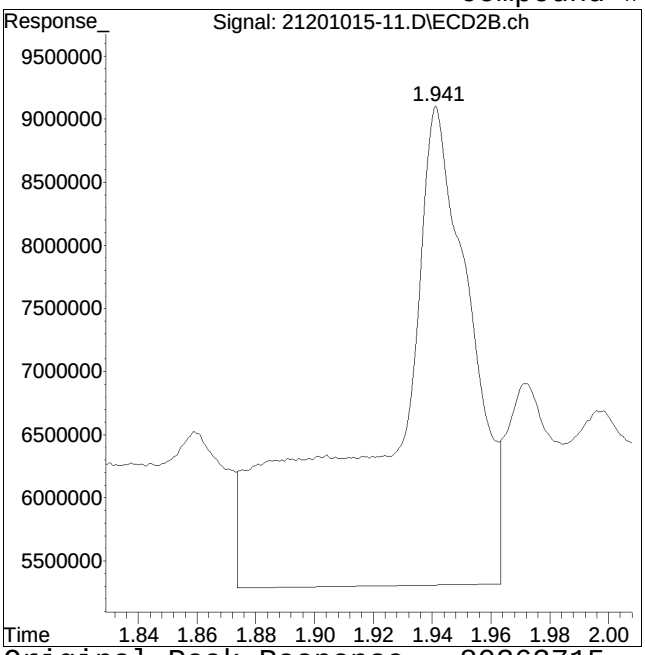


Original Peak Response = 12187427 Manual Peak Response = 7453958 M4
M4 = Poor automated baseline construction.

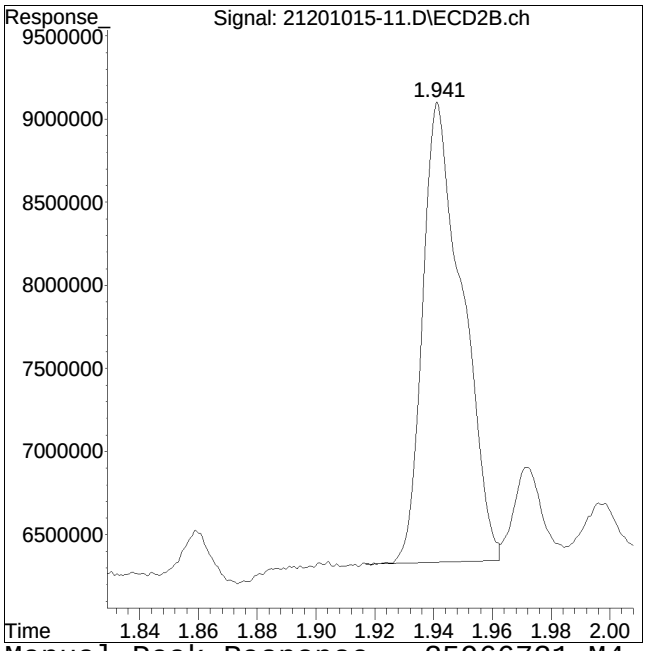
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #93: 1232-2 #2



Original Peak Response = 80363715



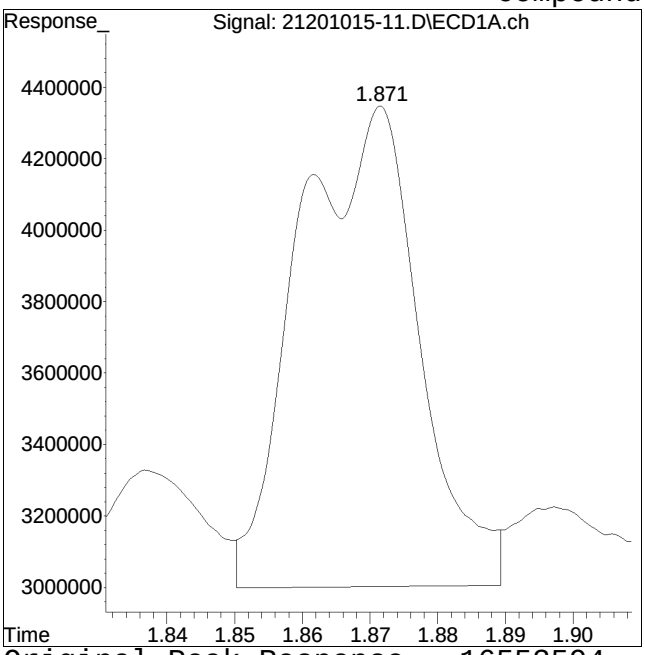
Manual Peak Response = 25966721 M4

M4 = Poor automated baseline construction.

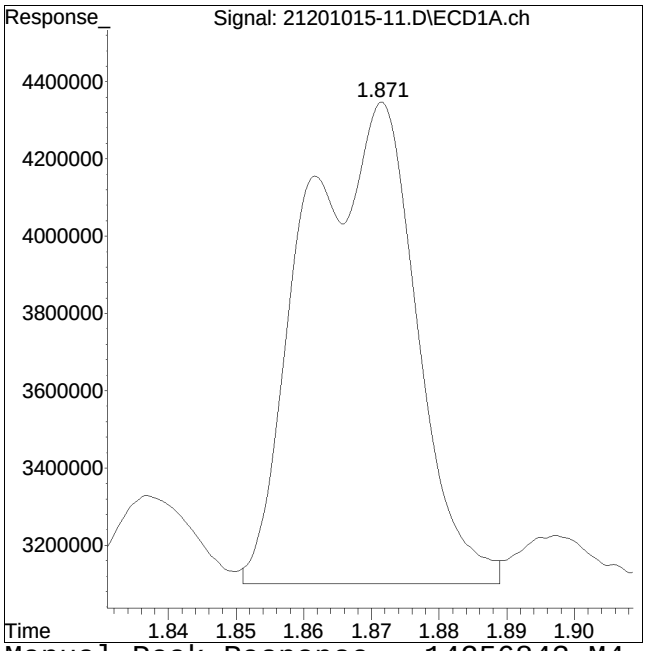
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #43: 1232-3



Original Peak Response = 16553594



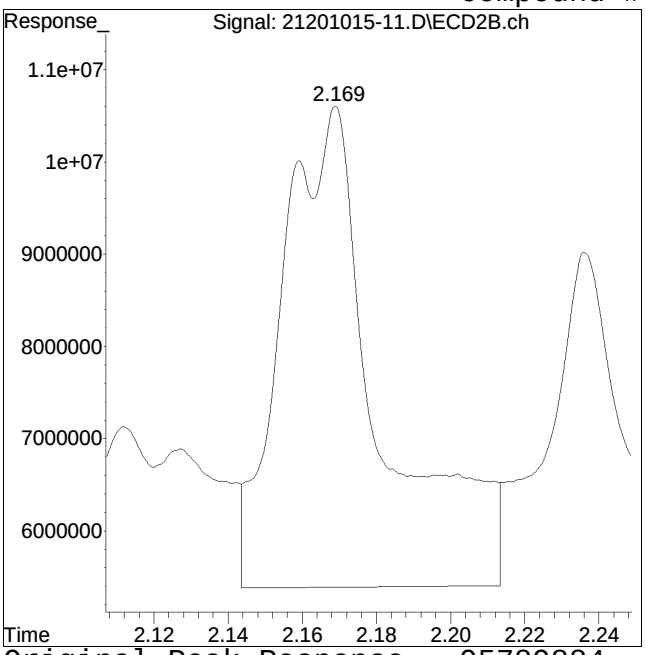
Manual Peak Response = 14256843 M4

M4 = Poor automated baseline construction.

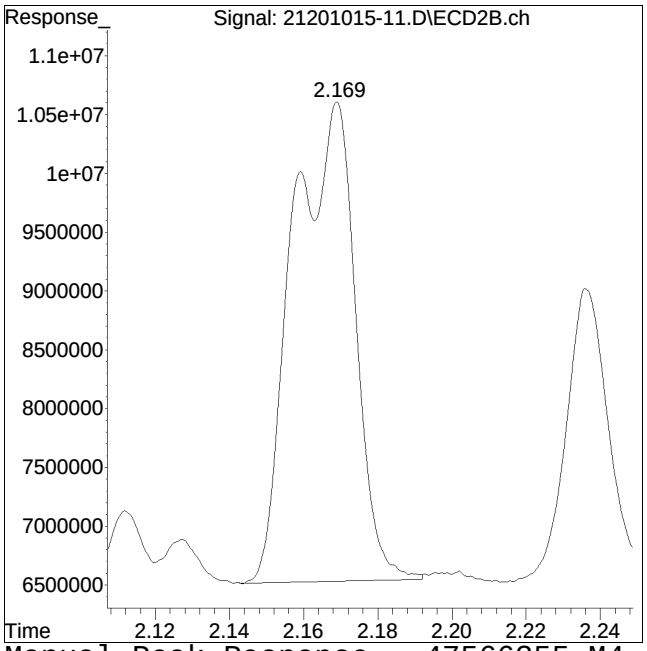
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #94: 1232-3 #2



Original Peak Response = 95789884



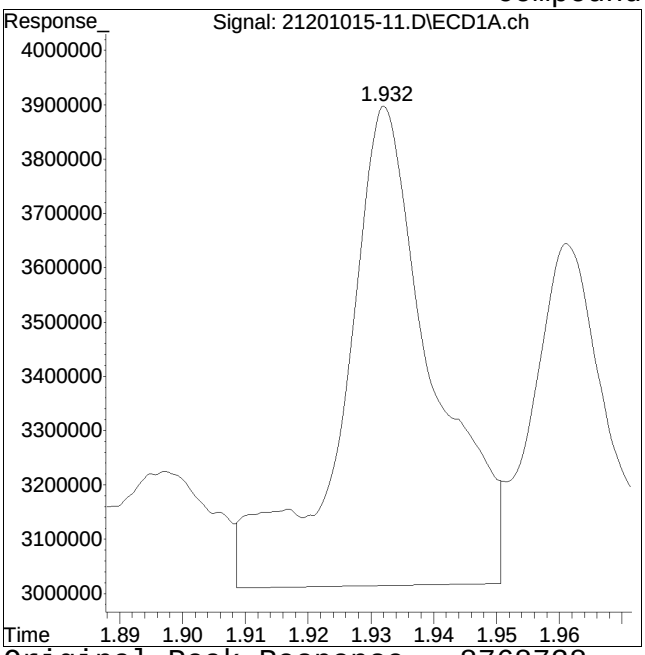
Manual Peak Response = 47566355 M4

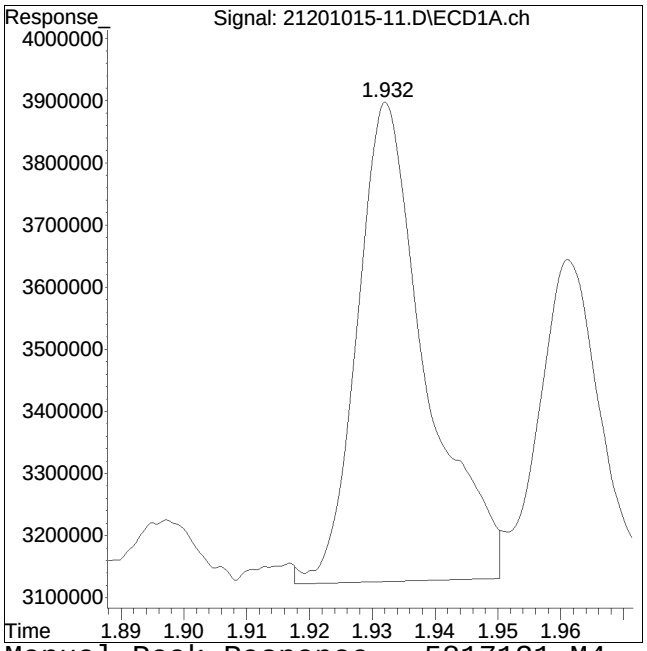
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #44: 1232-4



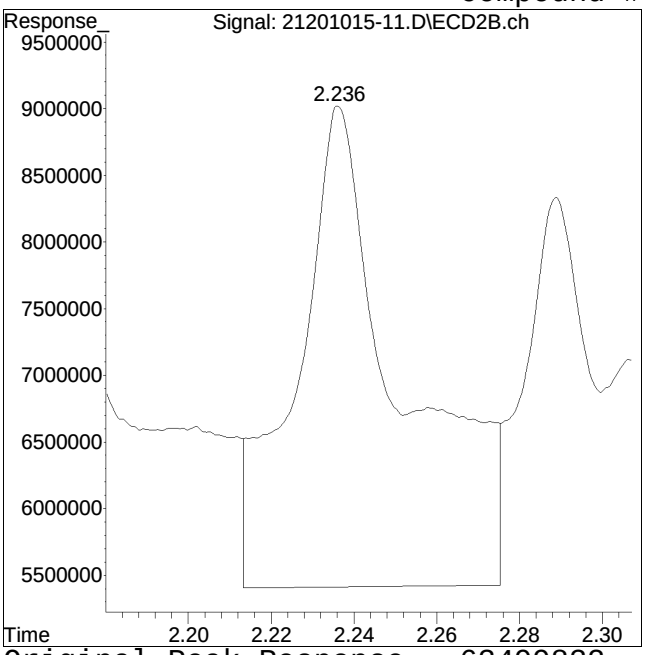


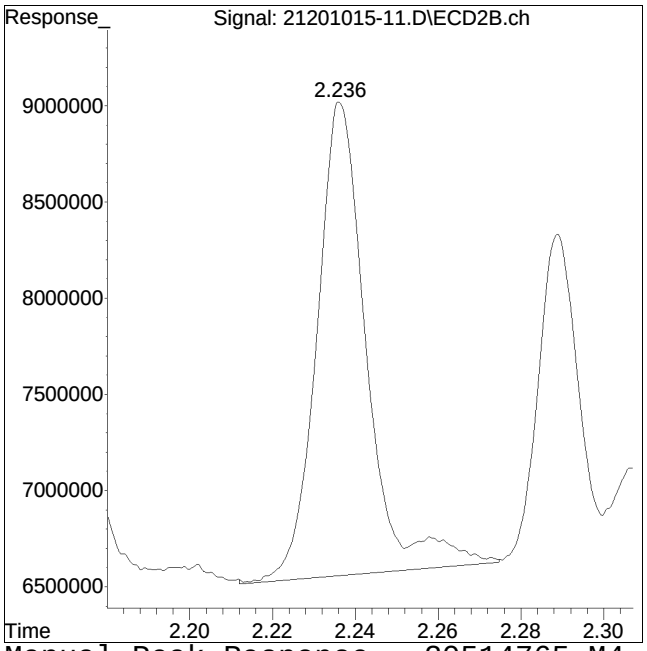
Original Peak Response = 8768738 Manual Peak Response = 5817131 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #95: 1232-4 #2



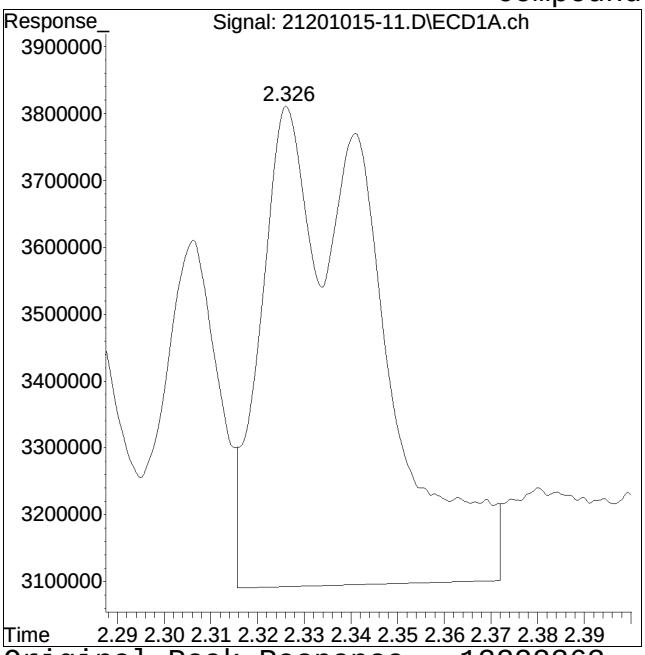


Original Peak Response = 63499832 Manual Peak Response = 20514765 M4
M4 = Poor automated baseline construction.

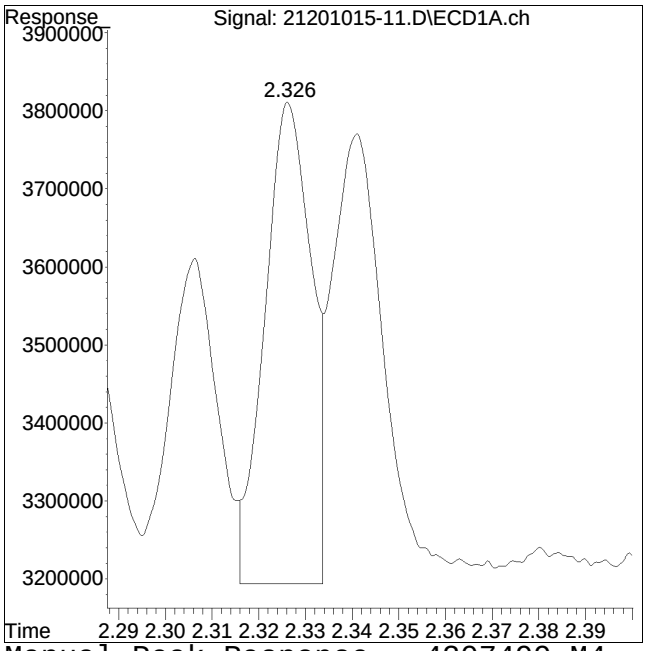
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #45: 1232-5



Original Peak Response = 12222363



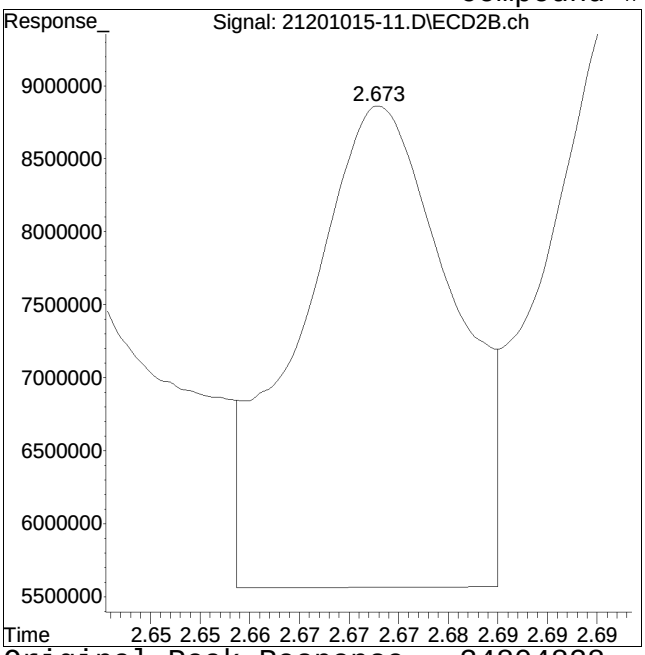
Manual Peak Response = 4207499 M4

M4 = Poor automated baseline construction.

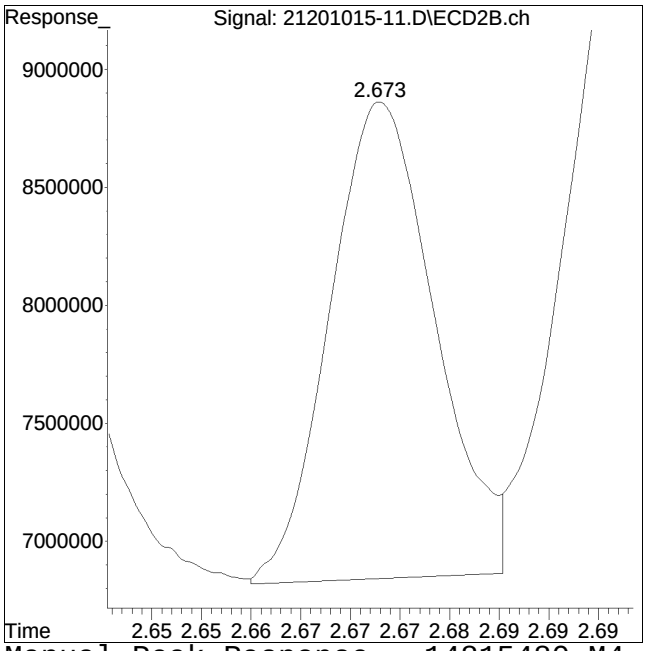
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #96: 1232-5 #2



Original Peak Response = 34804838



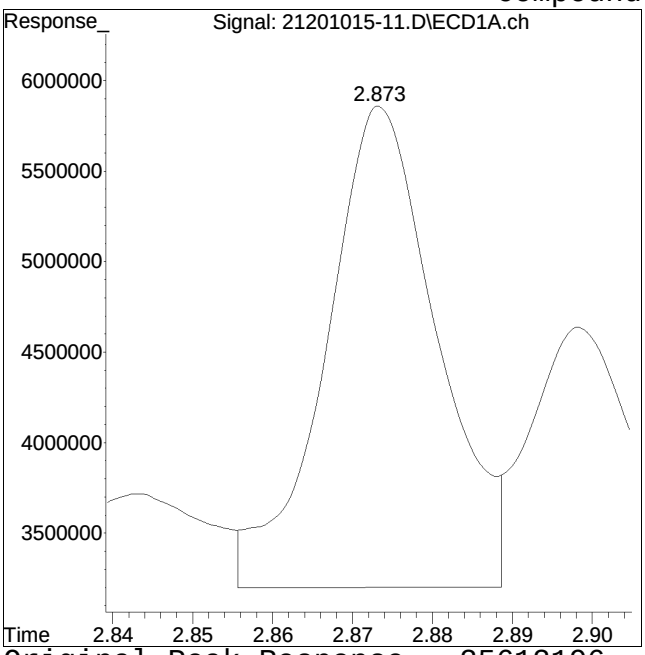
Manual Peak Response = 14815480 M4

M4 = Poor automated baseline construction.

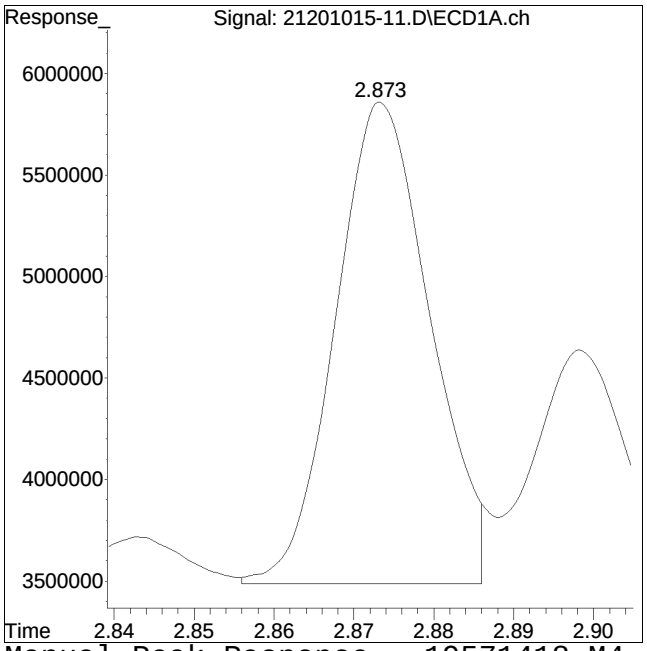
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #46: 1262-1



Original Peak Response = 25612196



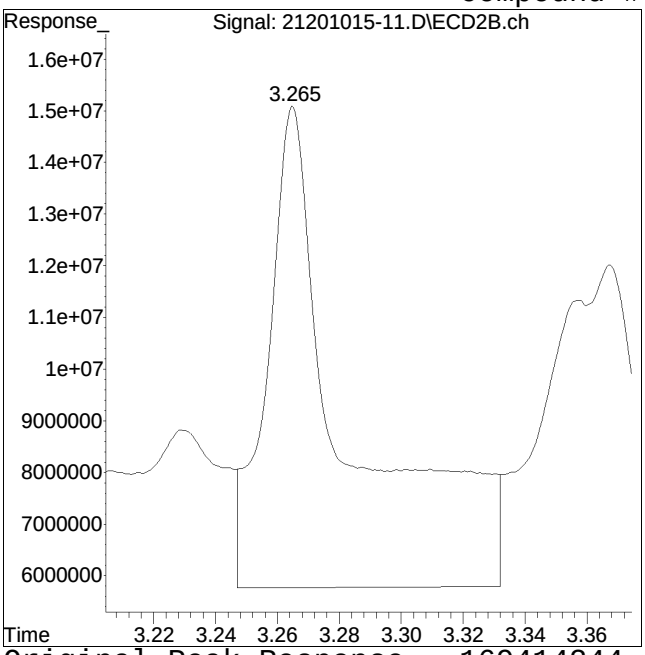
Manual Peak Response = 19571418 M4

M4 = Poor automated baseline construction.

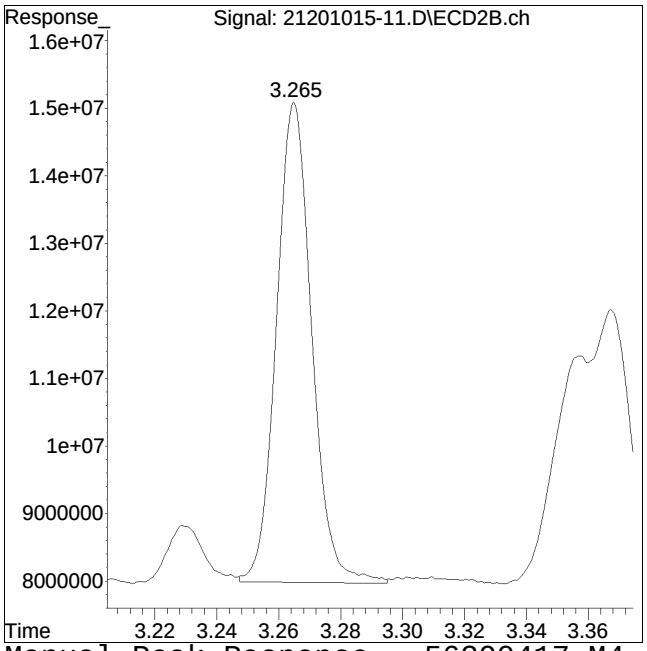
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #97: 1262-1 #2



Original Peak Response = 169414244

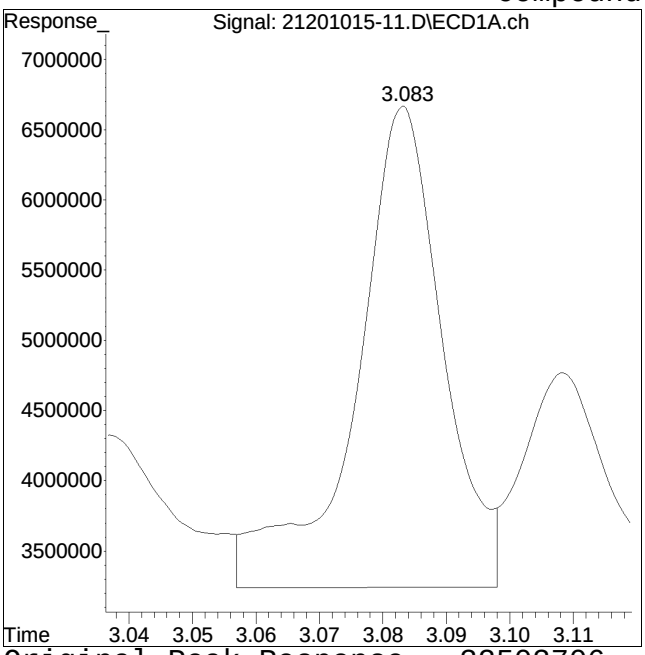


Manual Peak Response = 56290417 M4
M4 = Poor automated baseline construction.

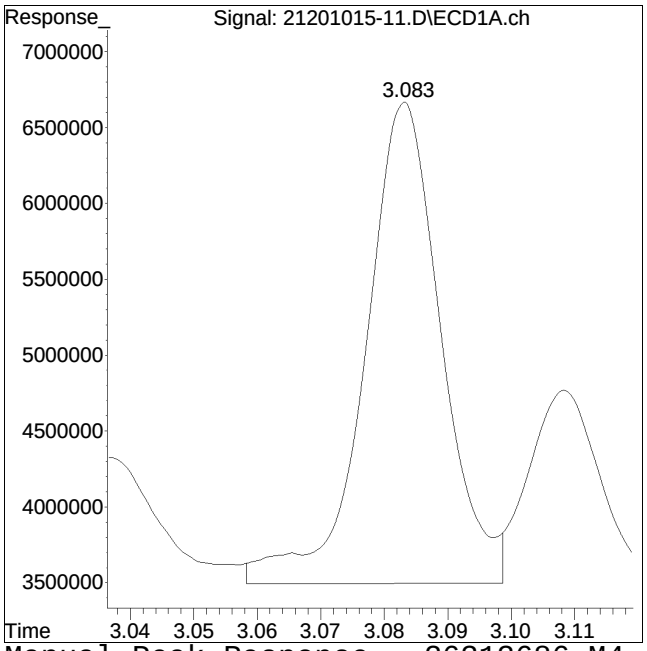
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #47: 1262-2



Original Peak Response = 32503706



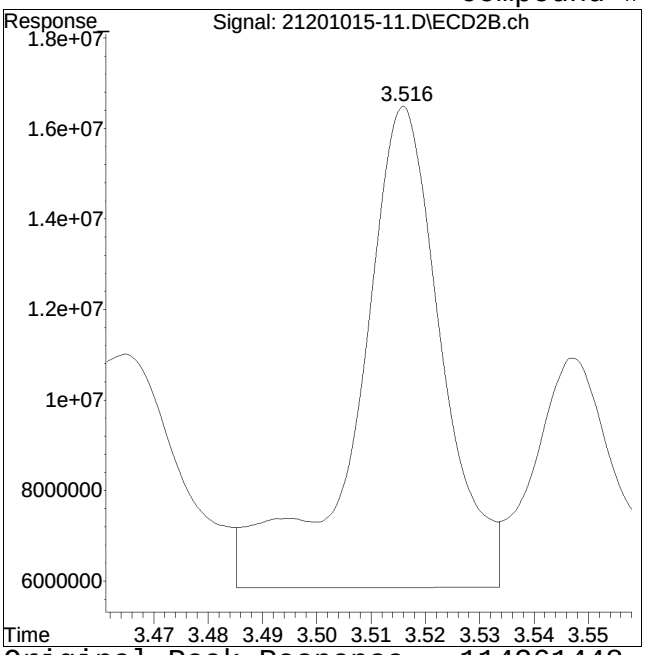
Manual Peak Response = 26313686 M4

M4 = Poor automated baseline construction.

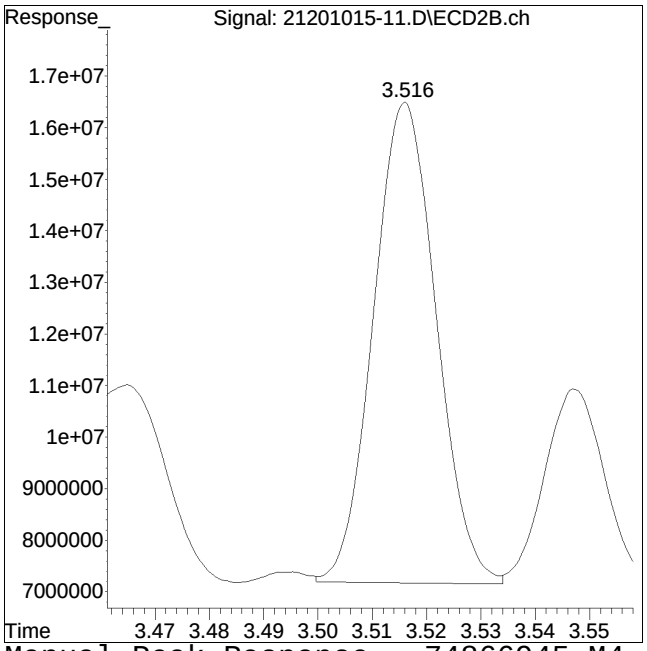
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #98: 1262-2 #2



Original Peak Response = 114261448



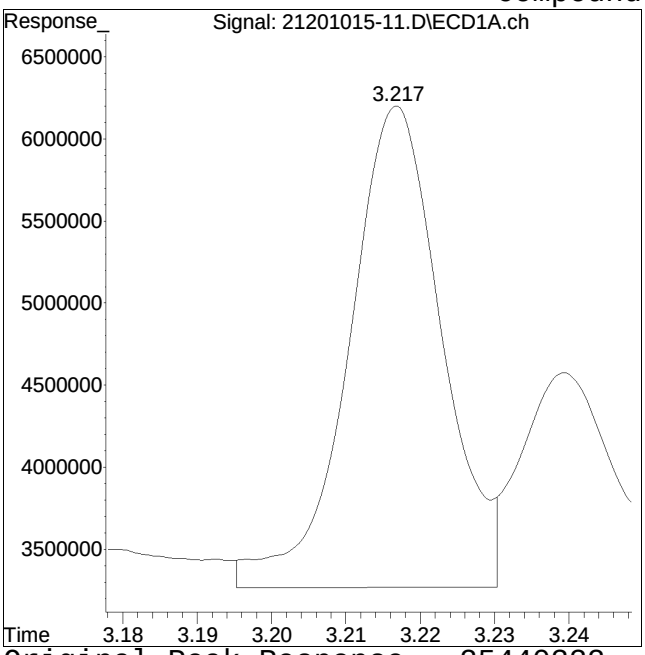
Manual Peak Response = 74866945 M4

M4 = Poor automated baseline construction.

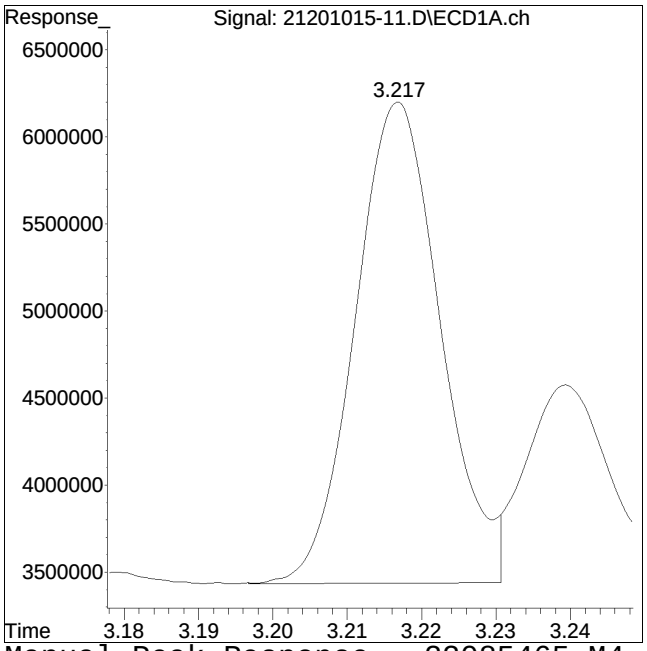
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #48: 1262-3



Original Peak Response = 25440332



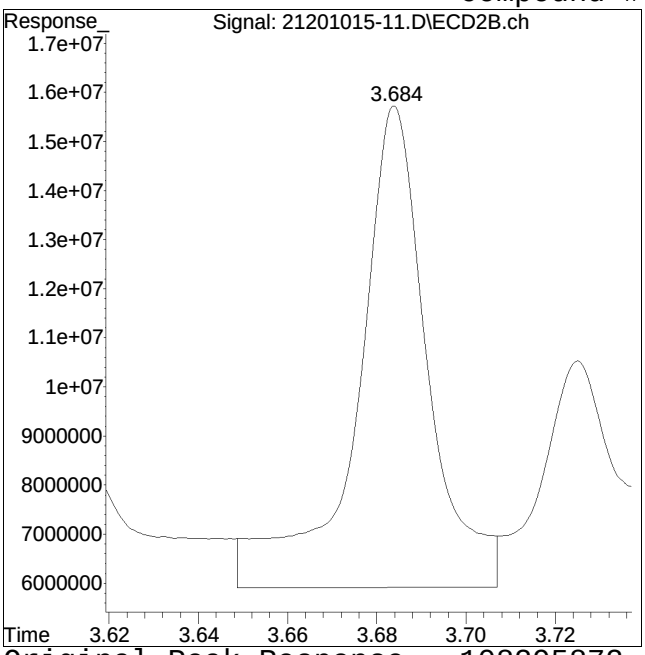
Manual Peak Response = 22085465 M4

M4 = Poor automated baseline construction.

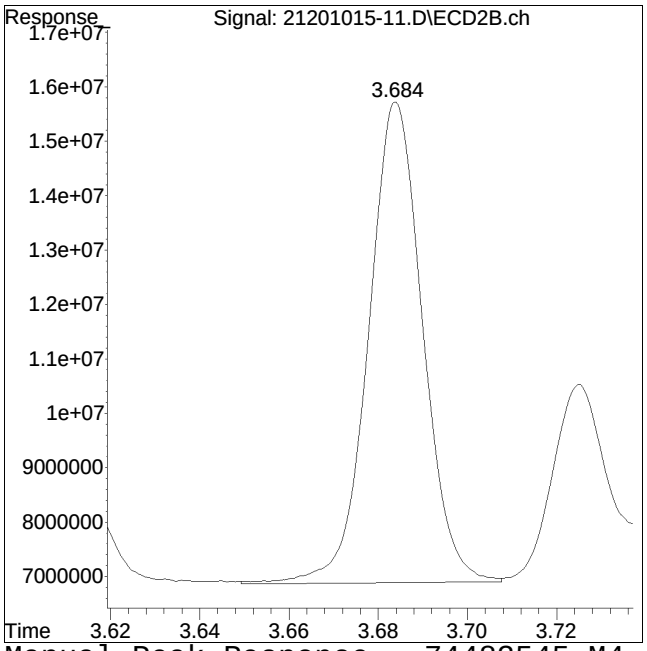
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #99: 1262-3 #2



Original Peak Response = 108295872



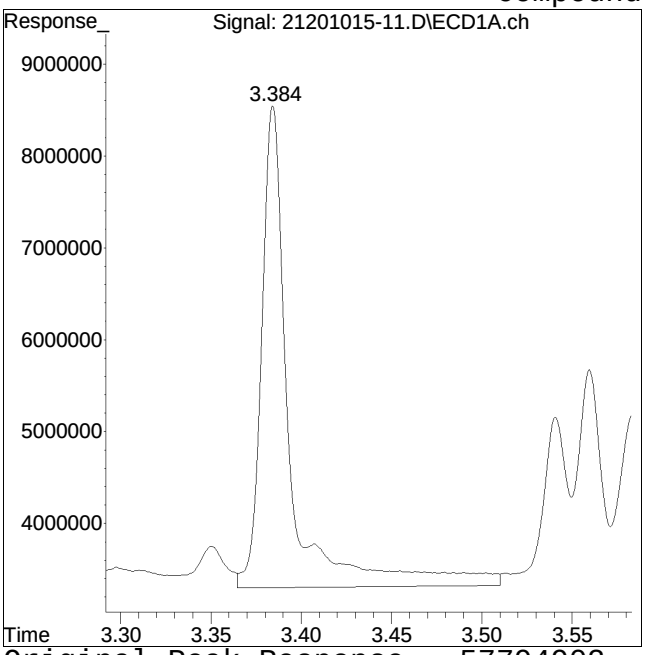
Manual Peak Response = 74483545 M4

M4 = Poor automated baseline construction.

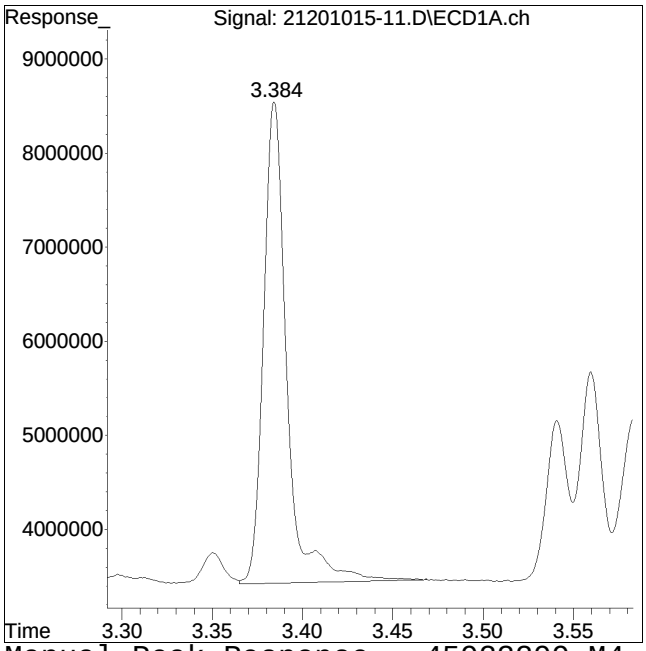
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #49: 1262-4



Original Peak Response = 57794902



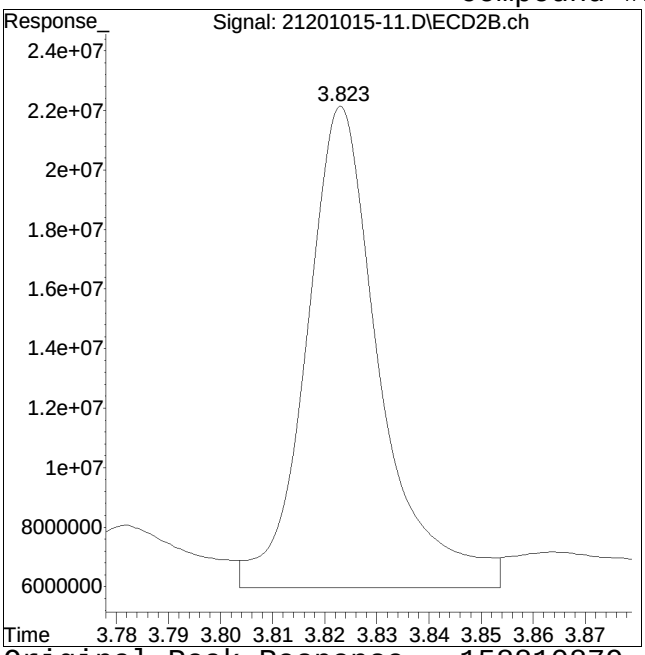
Manual Peak Response = 45923299 M4

M4 = Poor automated baseline construction.

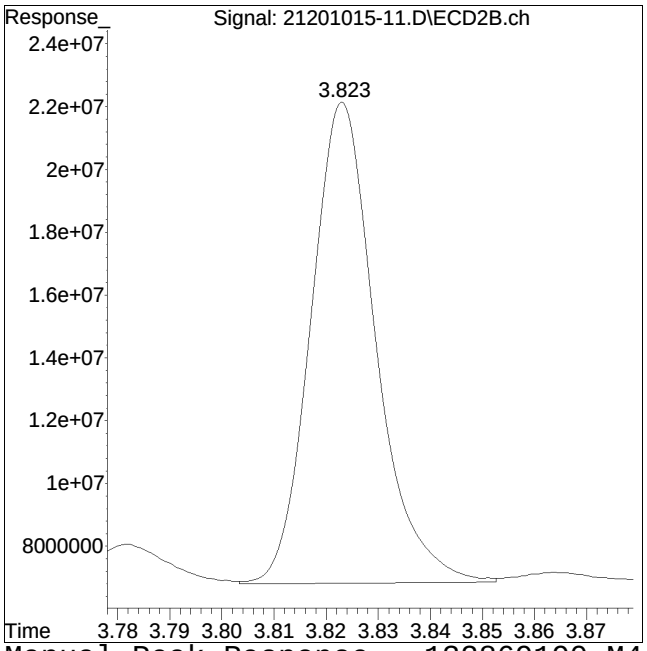
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #100: 1262-4 #2



Original Peak Response = 158810879



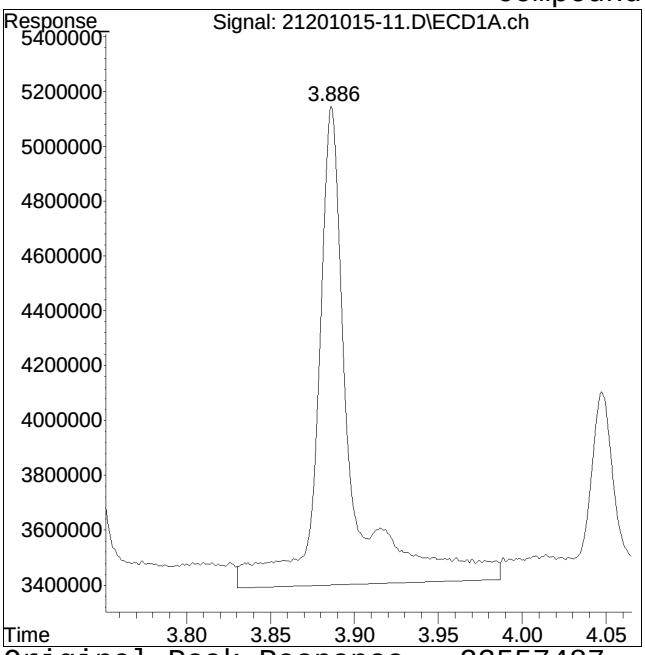
Manual Peak Response = 132869190 M4

M4 = Poor automated baseline construction.

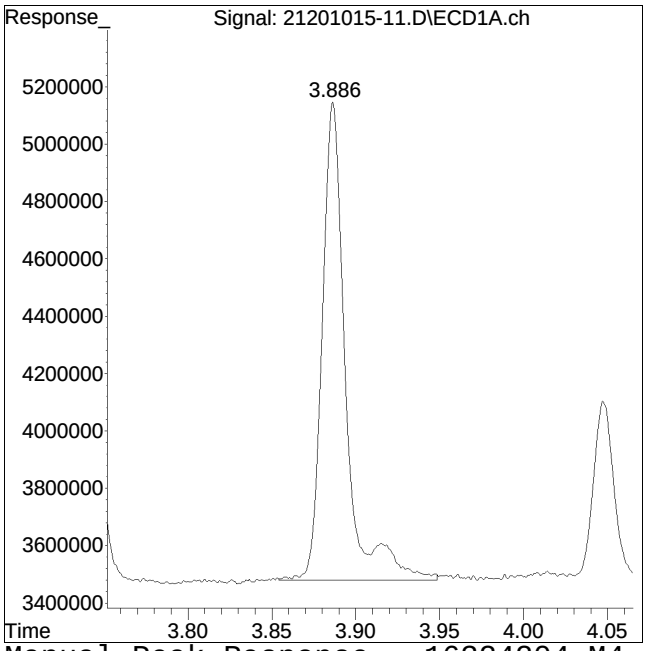
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #50: 1262-5



Original Peak Response = 23557487



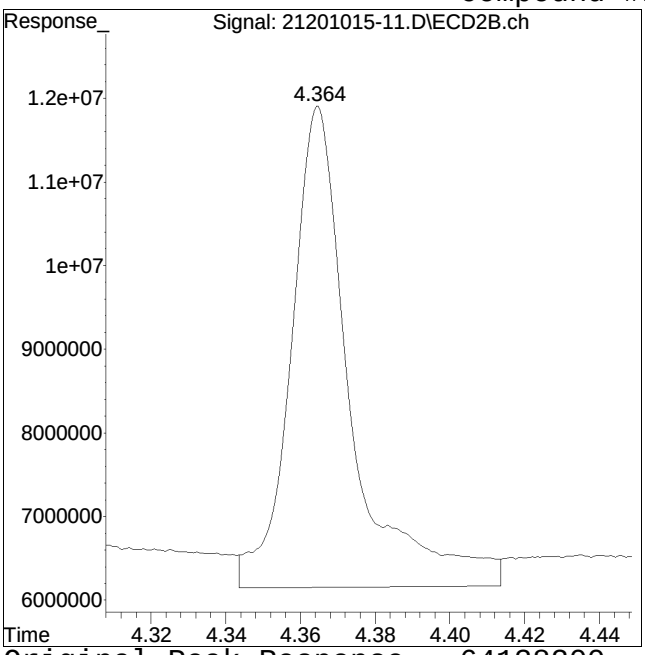
Manual Peak Response = 16324204 M4

M4 = Poor automated baseline construction.

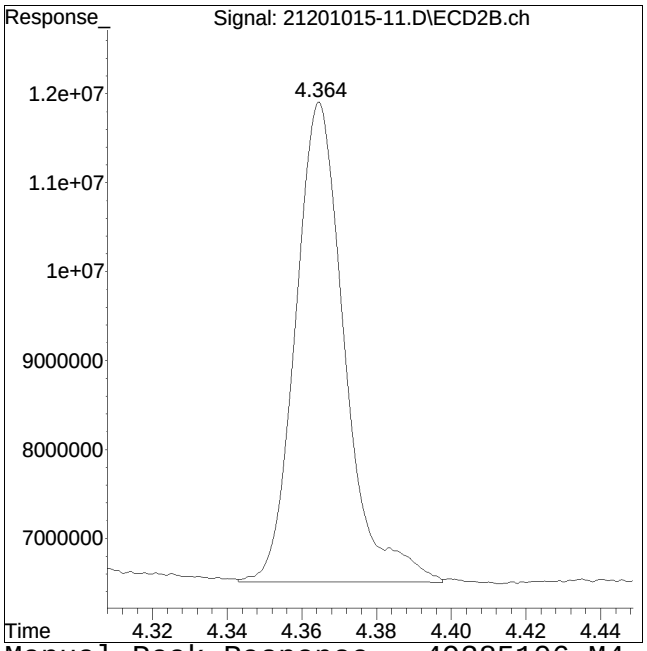
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-11.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:28 pm Instrument : Pest 21
Sample : il13262,42e,,10134 Quant Date : 11/11/2020 1:06 pm

Compound #101: 1262-5 #2



Original Peak Response = 64138200



Manual Peak Response = 49285106 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:35 pm
Operator : pest21:kb
Sample : il23262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:08:43 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:08:29 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.097	1.163	564.3E6	2340.2E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:35 pm
Operator : pest21:kb
Sample : il23262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:08:43 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:08:29 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:35 pm
Operator : pest21:kb
Sample : il23262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:08:43 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:08:29 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	1.511	1.754	38687244	129.7E6	555.954	572.266
42) l5	1232-2	1.659	1.945	35756350	127.6E6	553.276	566.517
43) l5	1232-3	1.864	2.172	70376813	236.4E6	535.818	544.802
44) l5	1232-4	1.925	2.239	29544723	94464034	545.199	534.917
45) l5	1232-5	2.317	2.674	20922829	71823819	546.128	556.147
Sum	1232-1			195.3E6	660.0E6	2736.375	2774.649
Average	1232-1					547.275	554.930
46) l8	1262-1	2.862	3.264	96257767	276.5E6	541.832	551.736
47) l8	1262-2	3.072	3.515	123.8E6	384.6E6	539.692	555.107
48) l8	1262-3	3.205	3.682	109.6E6	350.2E6	538.489	535.171
49) l8	1262-4	3.372	3.821	212.3E6	650.1E6	522.679	528.257
50) l8	1262-5	3.873	4.359	71584057	236.6E6	520.467	531.992
Sum	1262-1			613.6E6	1898.0E6	2663.159	2702.264
Average	1262-1					532.632	540.453

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			613.6E6	1898.0E6	2663.159	2702.264
Average	1262-1					532.632	540.453

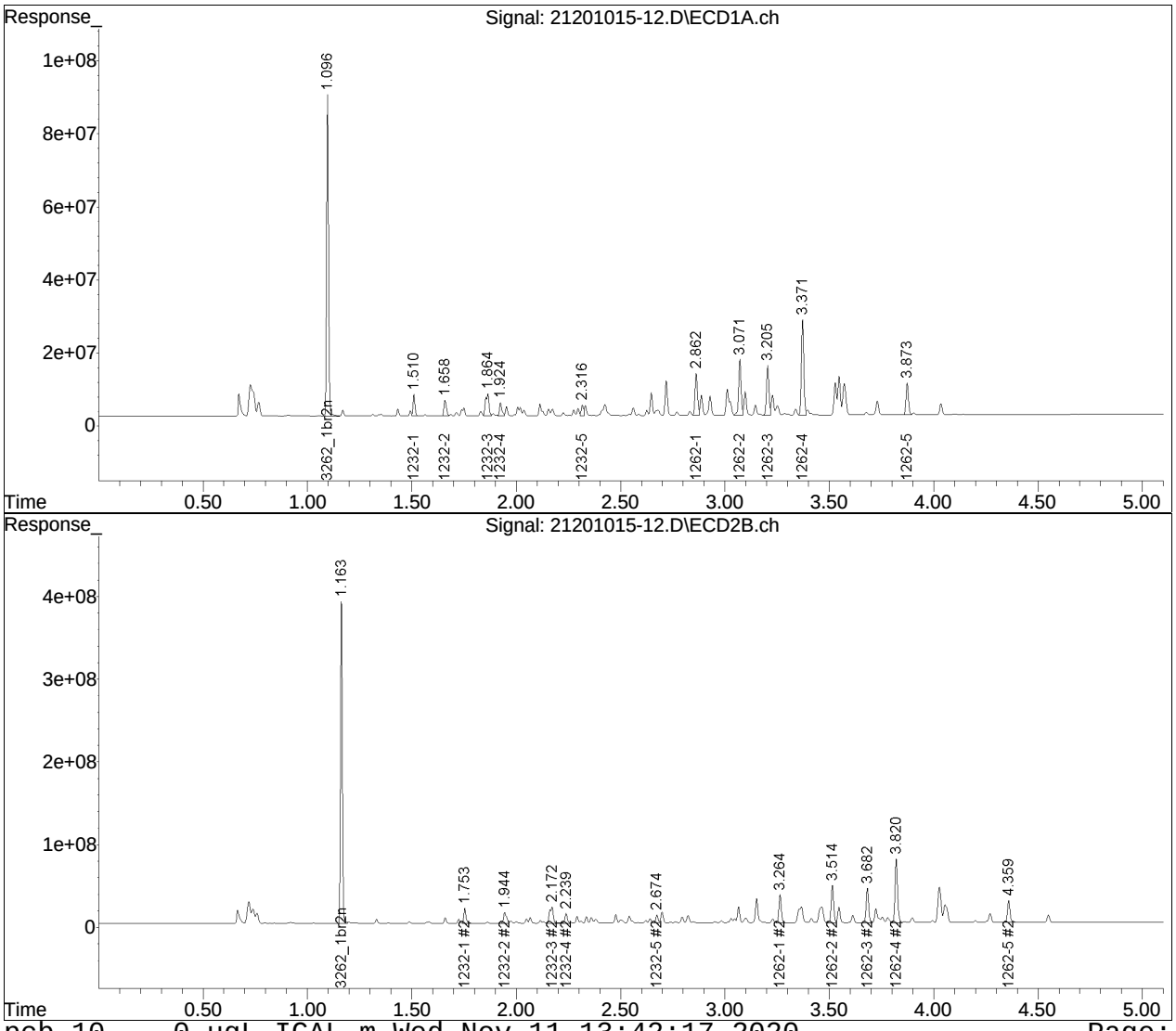
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-12.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:35 pm
Operator : pest21:kb
Sample : il23262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:08:43 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:08:29 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest21\data\2020\212010	QMethod	: P21_pcb_10_15_20_ugL_ICA
Data File	: 21201015-12.D	Operator	: pest21:kb
Date Inj'd	: 10/15/2020 2:35 pm	Instrument	: Pest 21
Sample	: il23262,42e,,10134	Quant Date	: 11/11/2020 1:08 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:42 pm
Operator : pest21:kb
Sample : il33262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:09:35 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:09:22 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.096	1.163	602.8E6	2486.4E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:42 pm
Operator : pest21:kb
Sample : il33262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:09:35 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:09:22 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:42 pm
Operator : pest21:kb
Sample : il33262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:09:35 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:09:22 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	1.510	1.754	74191704	242.3E6	998.114	1005.985
42) l5	1232-2	1.658	1.945	68123979	239.2E6	986.830	999.603
43) l5	1232-3	1.863	2.171	137.3E6	457.3E6	978.287	991.878
44) l5	1232-4	1.923	2.239	59026750	188.7E6	1019.713	1005.464
45) l5	1232-5	2.315	2.674	40083627	136.5E6	979.478	994.529
Sum	1232-1			378.7E6	1263.9E6	4962.422	4997.459
Average	1232-1					992.484	999.492
46) l8	1262-1	2.860	3.263	186.9E6	525.9E6	984.795	987.746
47) l8	1262-2	3.069	3.514	240.4E6	742.4E6	980.988	1008.505
48) l8	1262-3	3.202	3.681	215.0E6	679.1E6	988.461	976.677
49) l8	1262-4	3.370	3.820	419.5E6	1283.8E6	966.999	981.944
50) l8	1262-5	3.870	4.358	141.4E6	461.9E6	962.438	977.438
Sum	1262-1			1203.2E6	3693.2E6	4883.681	4932.310
Average	1262-1					976.736	986.462

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			1203.2E6	3693.2E6	4883.681	4932.310
Average	1262-1					976.736	986.462

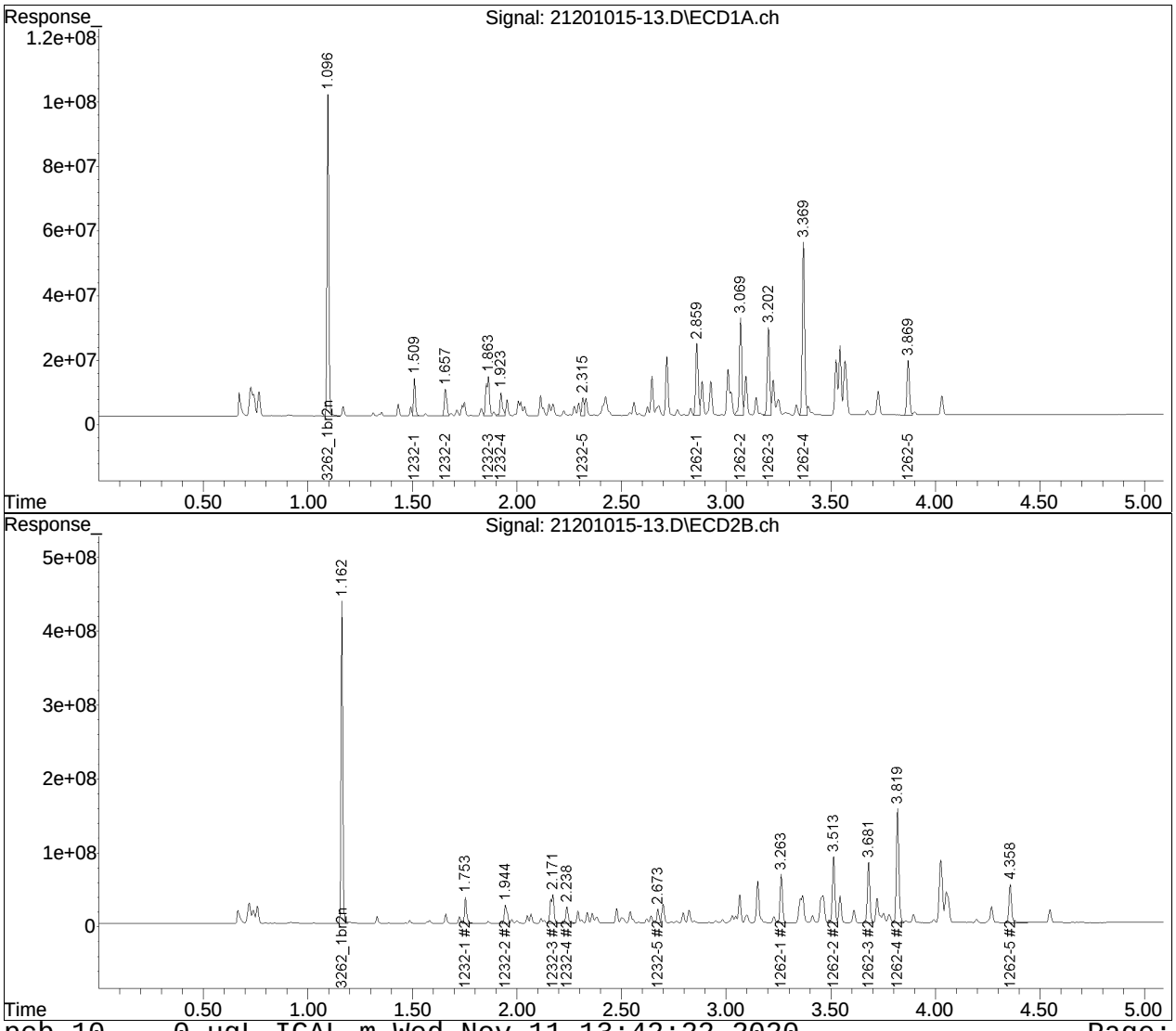
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-13.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:42 pm
Operator : pest21:kb
Sample : il33262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:09:35 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:09:22 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest21\data\2020\212010	QMethod	: P21_pcb_10_15_20_ugL_ICA
Data File	: 21201015-13.D	Operator	: pest21:kb
Date Inj'd	: 10/15/2020 2:42 pm	Instrument	: Pest 21
Sample	: il33262,42e,,10134	Quant Date	: 11/11/2020 1:09 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-14.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:48 pm
Operator : pest21:kb
Sample : il43262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:10:08 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:09:54 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.096	1.163	575.8E6	2377.2E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-14.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:48 pm
Operator : pest21:kb
Sample : il43262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:10:08 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:09:54 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-14.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:48 pm
Operator : pest21:kb
Sample : il43262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:10:08 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:09:54 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	1.510	1.754	175.8E6	559.5E6	2475.631	2429.826
42) l5	1232-2	1.658	1.945	161.2E6	553.2E6	2444.378	2418.168
43) l5	1232-3	1.863	2.172	336.0E6	1086.2E6	2506.878	2464.032
44) l5	1232-4	1.923	2.239	141.0E6	439.3E6	2550.824	2448.920M1
45) l5	1232-5	2.315	2.674	96692391	318.8E6	2473.488	2430.185
Sum	1232-1			910.7E6	2956.9E6	12451.198	12191.130
Average	1232-1					2490.240	2438.226
46) l8	1262-1	2.859	3.263	452.4E6	1248.2E6	2495.537	2452.282
47) l8	1262-2	3.069	3.514	578.4E6	1734.1E6	2470.366	2463.937
48) l8	1262-3	3.202	3.681	521.2E6	1639.0E6	2508.678	2465.714
49) l8	1262-4	3.369	3.820	1034.4E6	3141.5E6	2496.144	2513.178
50) l8	1262-5	3.870	4.358	345.1E6	1111.5E6	2459.093	2460.140
Sum	1262-1			2931.5E6	8874.4E6	12429.817	12355.252
Average	1262-1					2485.963	2471.050

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			2931.5E6	8874.4E6	12429.817	12355.252
Average	1262-1					2485.963	2471.050

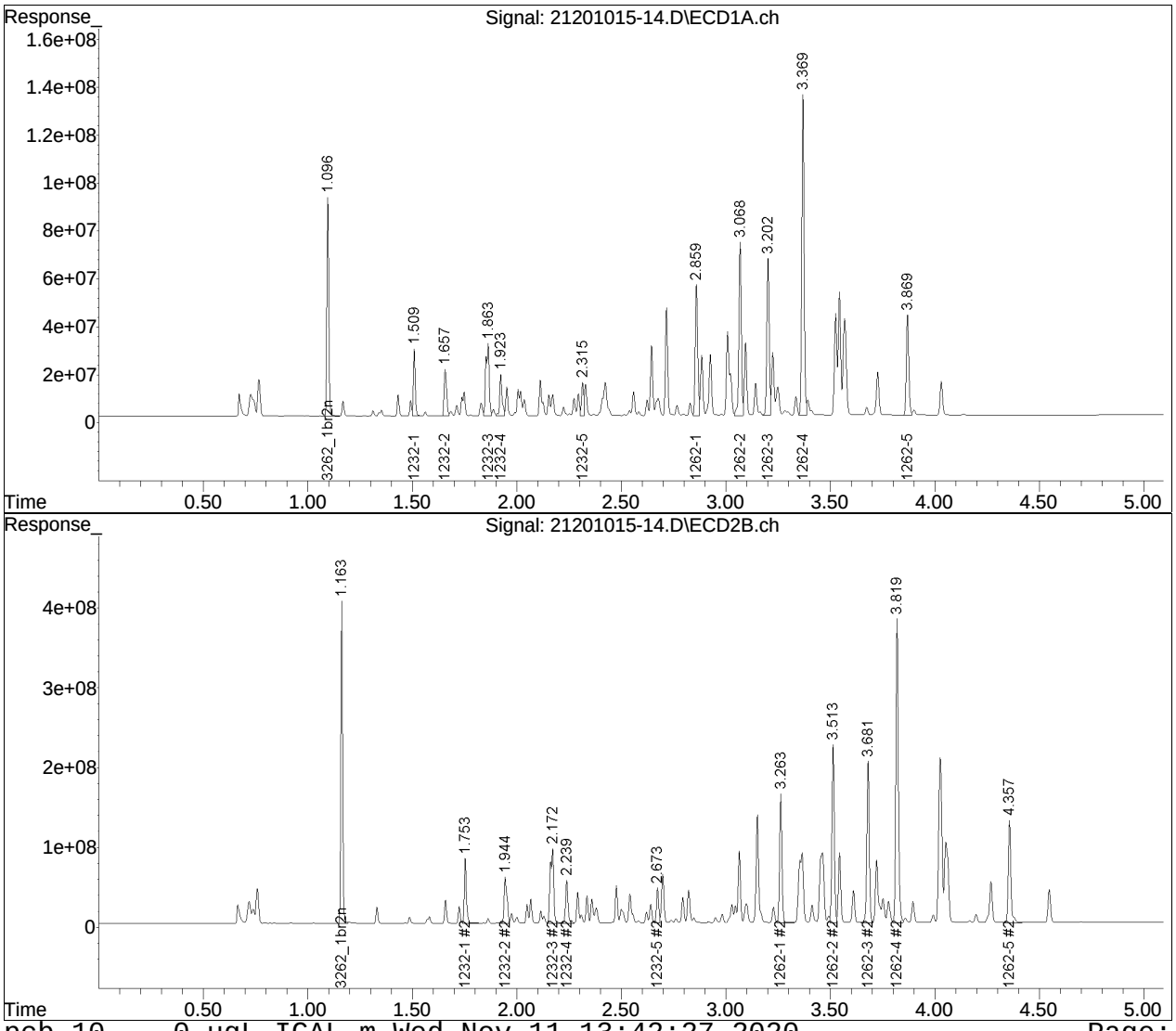
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-14.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:48 pm
Operator : pest21:kb
Sample : il43262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:10:08 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:09:54 2020
Response via : Initial Calibration
Integrator: ChemStation

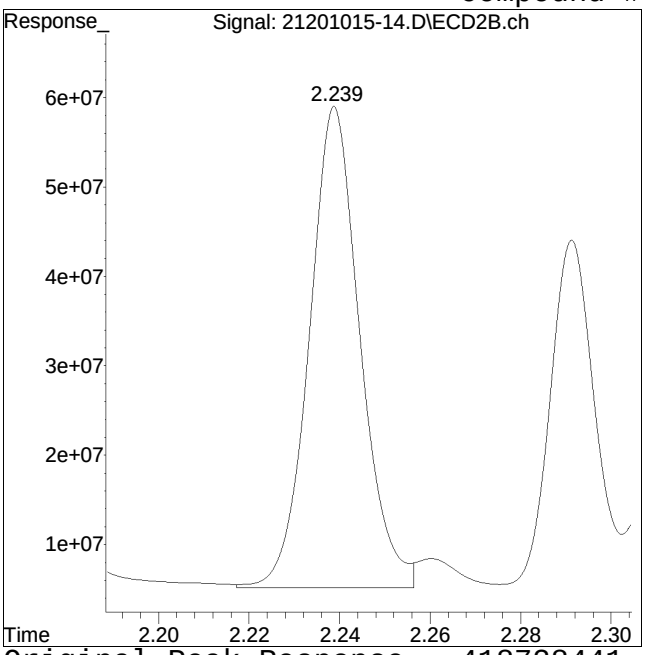
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

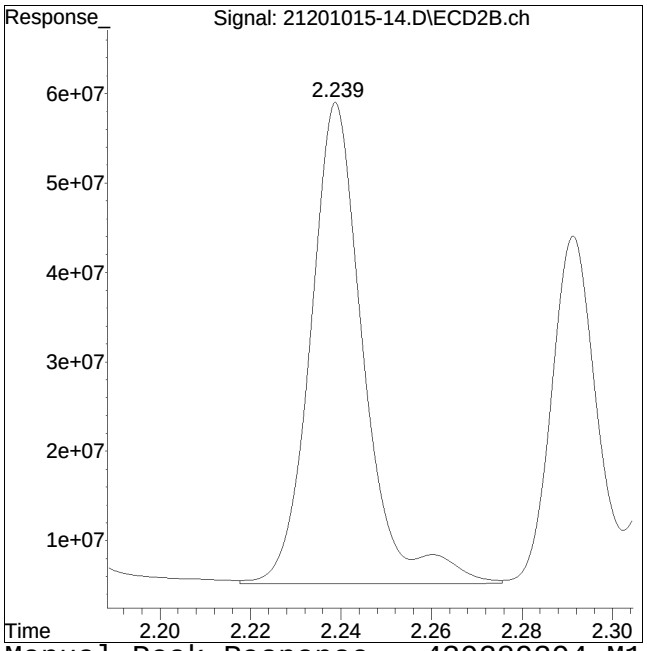


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-14.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:48 pm Instrument : Pest 21
Sample : il43262,42e,,10134 Quant Date : 11/11/2020 1:09 pm

Compound #95: 1232-4 #2





Original Peak Response = 418728441 Manual Peak Response = 439289394 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-15.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:55 pm
Operator : pest21:kb
Sample : il53262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:11:29 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:11:16 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.096	1.163	611.6E6	2526.5E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-15.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:55 pm
Operator : pest21:kb
Sample : il53262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:11:29 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:11:16 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-15.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:55 pm
Operator : pest21:kb
Sample : il53262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:11:29 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:11:16 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	1.509	1.753	341.5E6	1077.1E6	4528.665	4401.280
42) l5	1232-2	1.657	1.944	314.3E6	1064.5E6	4488.194	4378.491
43) l5	1232-3	1.863	2.171	665.3E6	2143.2E6	4673.936	4574.765
44) l5	1232-4	1.923	2.238	266.1E6	850.8E6	4530.275	4462.895M1
45) l5	1232-5	2.315	2.674	191.7E6	614.2E6	4616.492	4405.253
Sum	1232-1			1778.9E6	5749.9E6	22837.562	22222.685
Average	1232-1					4567.512	4444.537
46) l8	1262-1	2.860	3.263	887.5E6	2443.7E6	4609.947	4517.143
47) l8	1262-2	3.069	3.514	1129.5E6	3393.2E6	4542.346	4536.219
48) l8	1262-3	3.202	3.682	1022.9E6	3220.1E6	4635.837	4557.884
49) l8	1262-4	3.369	3.820	2051.2E6	6181.6E6	4660.399	4653.024
50) l8	1262-5	3.869	4.358	679.6E6	2224.7E6	4559.160	4632.826
Sum	1262-1			5770.7E6	17463.2E6	23007.689	22897.095
Average	1262-1					4601.538	4579.419

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			5770.7E6	17463.2E6	23007.689	22897.095
Average	1262-1					4601.538	4579.419

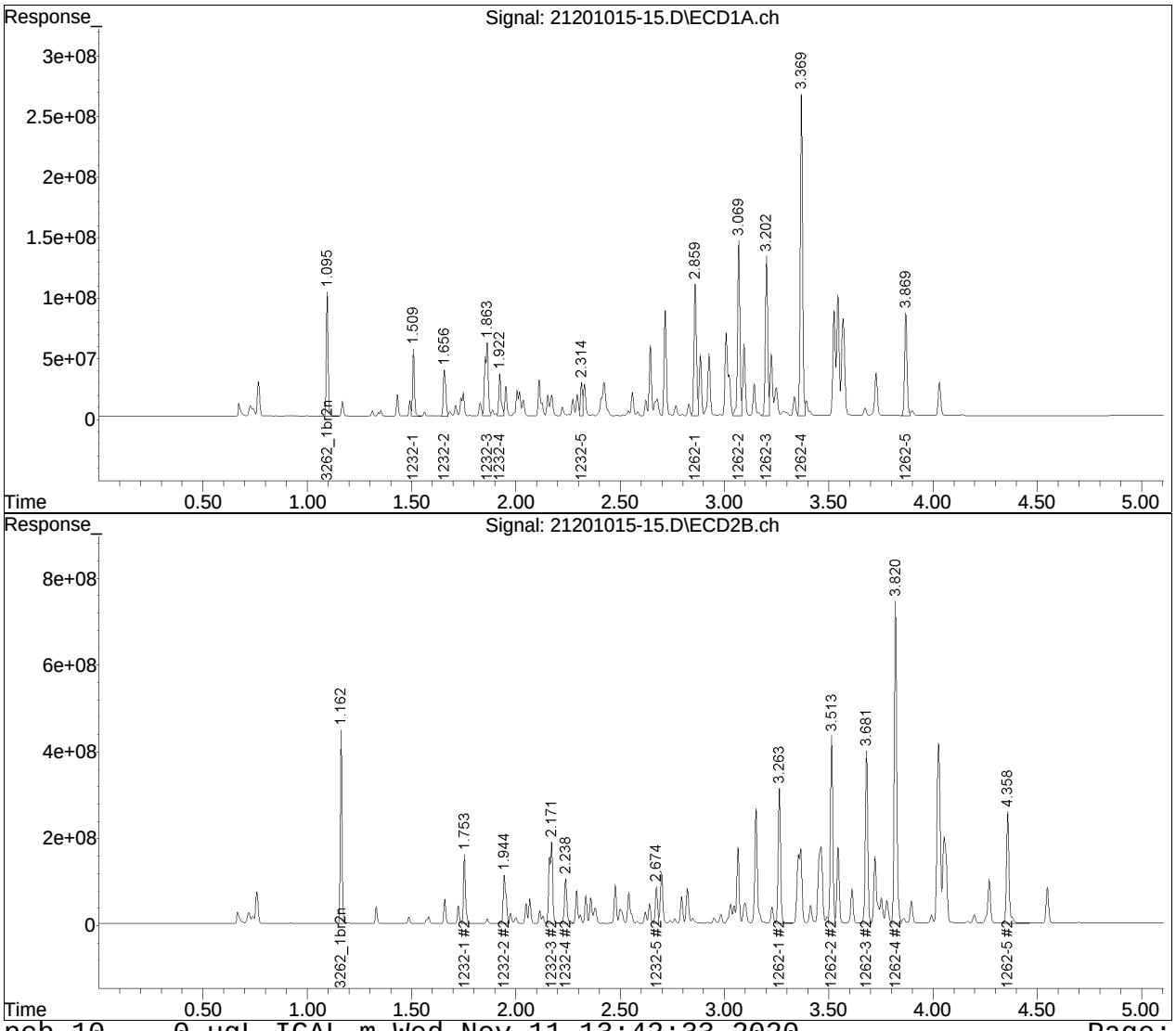
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-15.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 02:55 pm
Operator : pest21:kb
Sample : il53262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:11:29 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:11:16 2020
Response via : Initial Calibration
Integrator: ChemStation

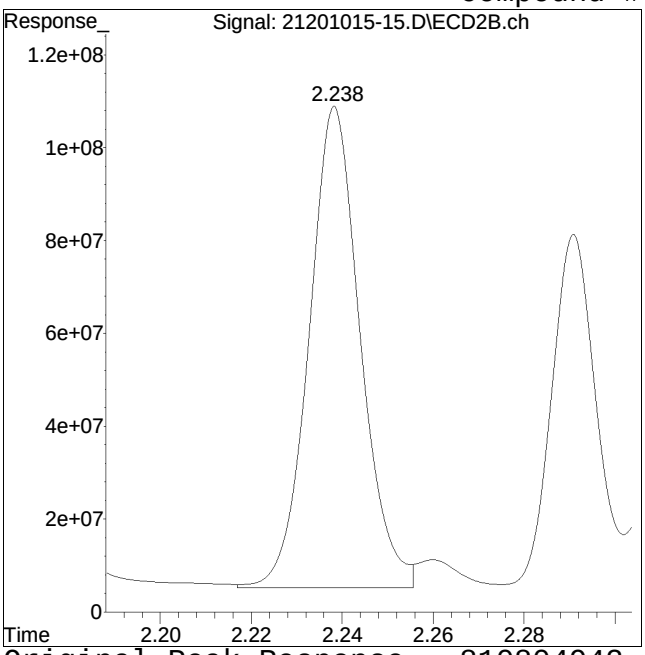
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

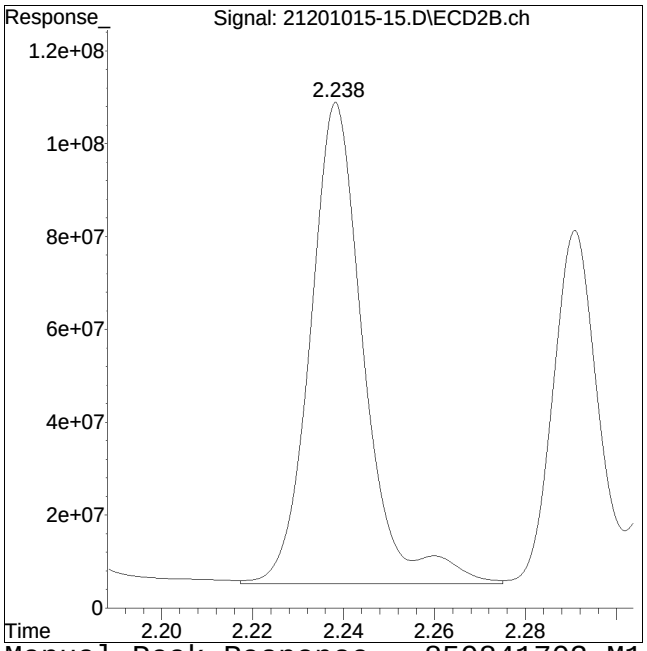


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-15.D Operator : pest21:kb
Date Inj'd : 10/15/2020 2:55 pm Instrument : Pest 21
Sample : il53262,42e,,10134 Quant Date : 11/11/2020 1:11 pm

Compound #95: 1232-4 #2





Original Peak Response = 810804942 Manual Peak Response = 850841703 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-16.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:02 pm
Operator : pest21:kb
Sample : il63262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:12:06 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:11:52 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.096	1.162	610.3E6	2508.0E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-16.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:02 pm
Operator : pest21:kb
Sample : il63262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:12:06 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:11:52 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-16.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:02 pm
Operator : pest21:kb
Sample : il63262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:12:06 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:11:52 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1248-1					0.000	0.000
41) l5 1232-1	1.509	1.753	669.4E6	2078.8E6	8894.858	8557.432
42) l5 1232-2	1.657	1.944	616.7E6	2055.7E6	8823.634	8517.717
43) l5 1232-3	1.863	2.171	1323.0E6	4200.6E6	9313.401	9032.379M1
44) l5 1232-4	1.923	2.238	524.1E6	1648.6E6	8942.591	8711.451
45) l5 1232-5	2.315	2.673	381.9E6	1208.7E6	9216.366	8733.735
Sum 1232-1			3515.0E6	11192.5E6	45190.849	43552.714
Average 1232-1					9038.170	8710.543
46) l8 1262-1	2.860	3.263	1756.0E6	4736.7E6	9139.877	8820.349
47) l8 1262-2	3.069	3.514	2235.3E6	6605.6E6	9007.401	8895.966
48) l8 1262-3	3.202	3.681	2033.3E6	6295.1E6	9234.261	8976.166
49) l8 1262-4	3.370	3.820	4088.4E6	12233.1E6	9308.041	9276.090
50) l8 1262-5	3.870	4.358	1366.9E6	4390.9E6	9189.283	9211.294
Sum 1262-1			11479.9E6	34261.3E6	45878.864	45179.866
Average 1262-1					9175.773	9035.973

SemiQuant Compounds - Not Calibrated on this Instrument

Sum 1262-1			11479.9E6	34261.3E6	45878.864	45179.866
Average 1262-1					9175.773	9035.973

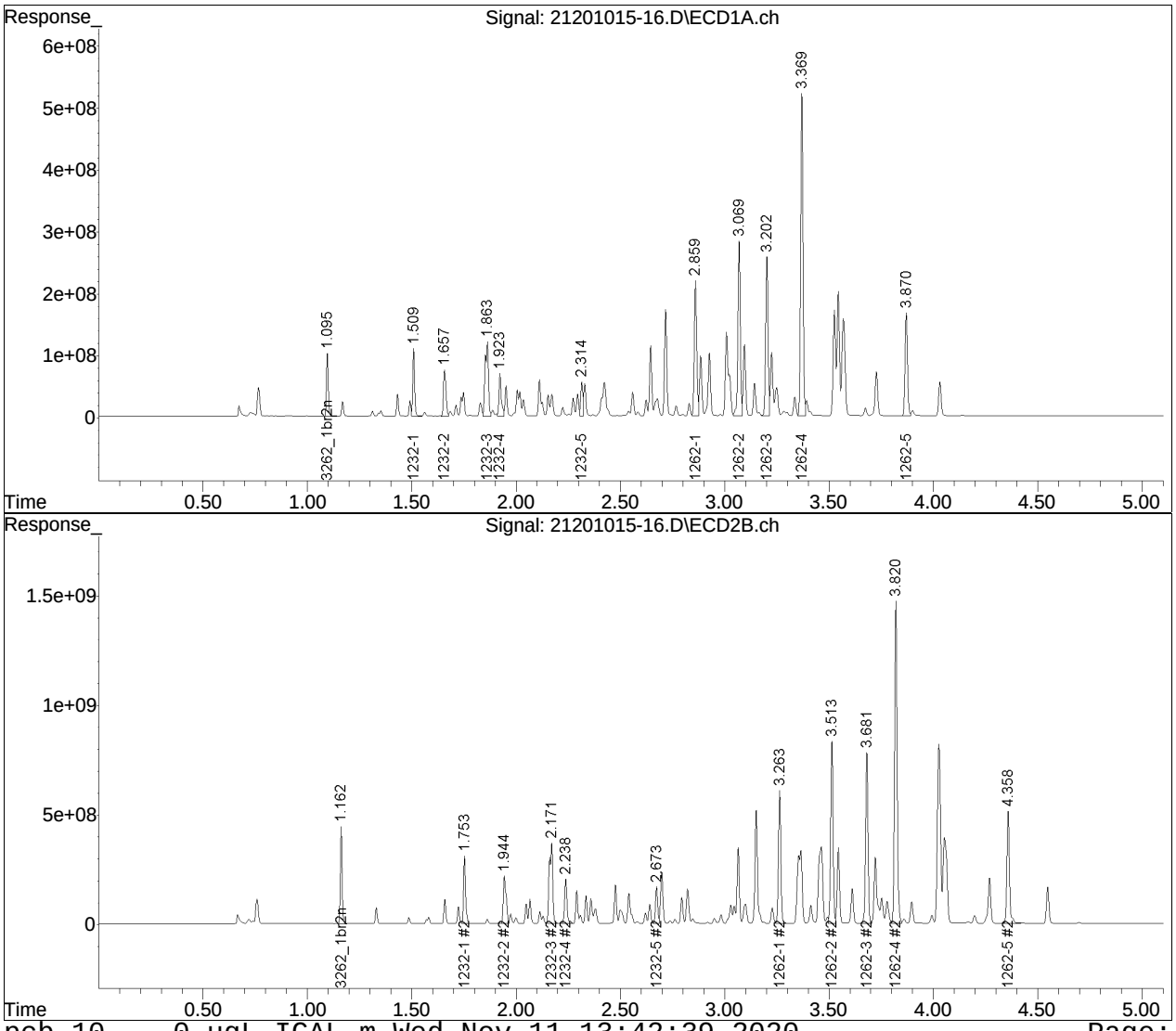
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-16.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:02 pm
Operator : pest21:kb
Sample : il63262,42e,,10134
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:12:06 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:11:52 2020
Response via : Initial Calibration
Integrator: ChemStation

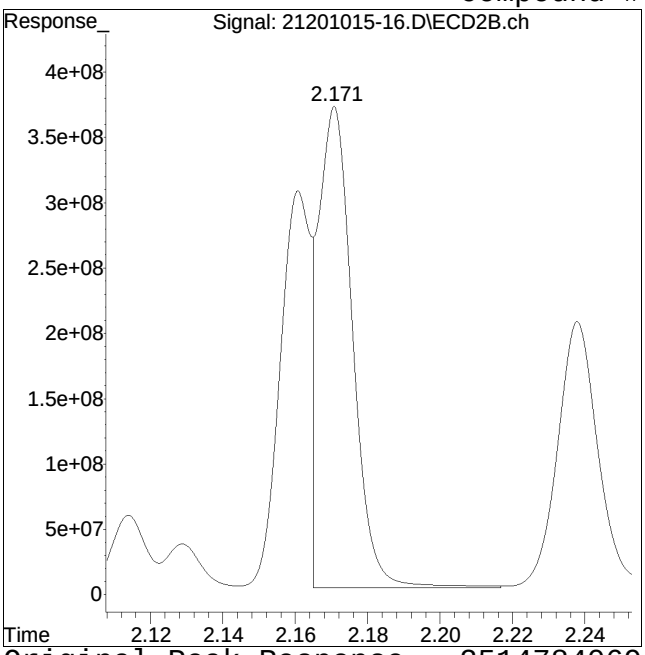
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

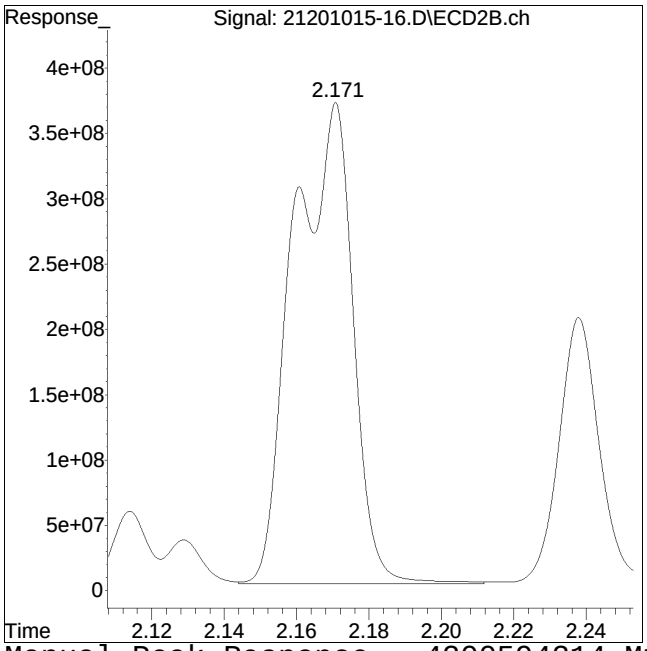


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-16.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:02 pm Instrument : Pest 21
Sample : il63262,42e,,10134 Quant Date : 11/11/2020 1:11 pm

Compound #94: 1232-3 #2





Original Peak Response = 2514784069 Manual Peak Response = 4200594214 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:09 pm
Operator : pest21:kb
Sample : il11248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:21:25 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:21:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.097	1.164	619.8E6	2535.2E6	250.000	250.000
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D.	N.D.
Spiked Amount	500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount	500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016-1			0	0	N.D.	N.D.
Average	1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:09 pm
Operator : pest21:kb
Sample : il11248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:21:25 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:21:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	1.853	2.161	16577521	57715289	107.177M1	112.757M4
36) l7	1248-2	2.006	2.336	20918774	37219417	112.397M1	117.978M4
37) l7	1248-3	2.112	2.476	18375205	45565285	112.864	115.412M4
38) l7	1248-4	2.315	2.673	14837894	49671974	107.935	114.039M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:09 pm
Operator : pest21:kb
Sample : il11248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:21:25 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:21:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39) l7	1248-5	2.329	2.699	13892144	55847237	110.742	113.639M4
Sum	1248-1			84601538	246.0E6	N.D.	N.D. D
Average	1248-1					110.223	114.765
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

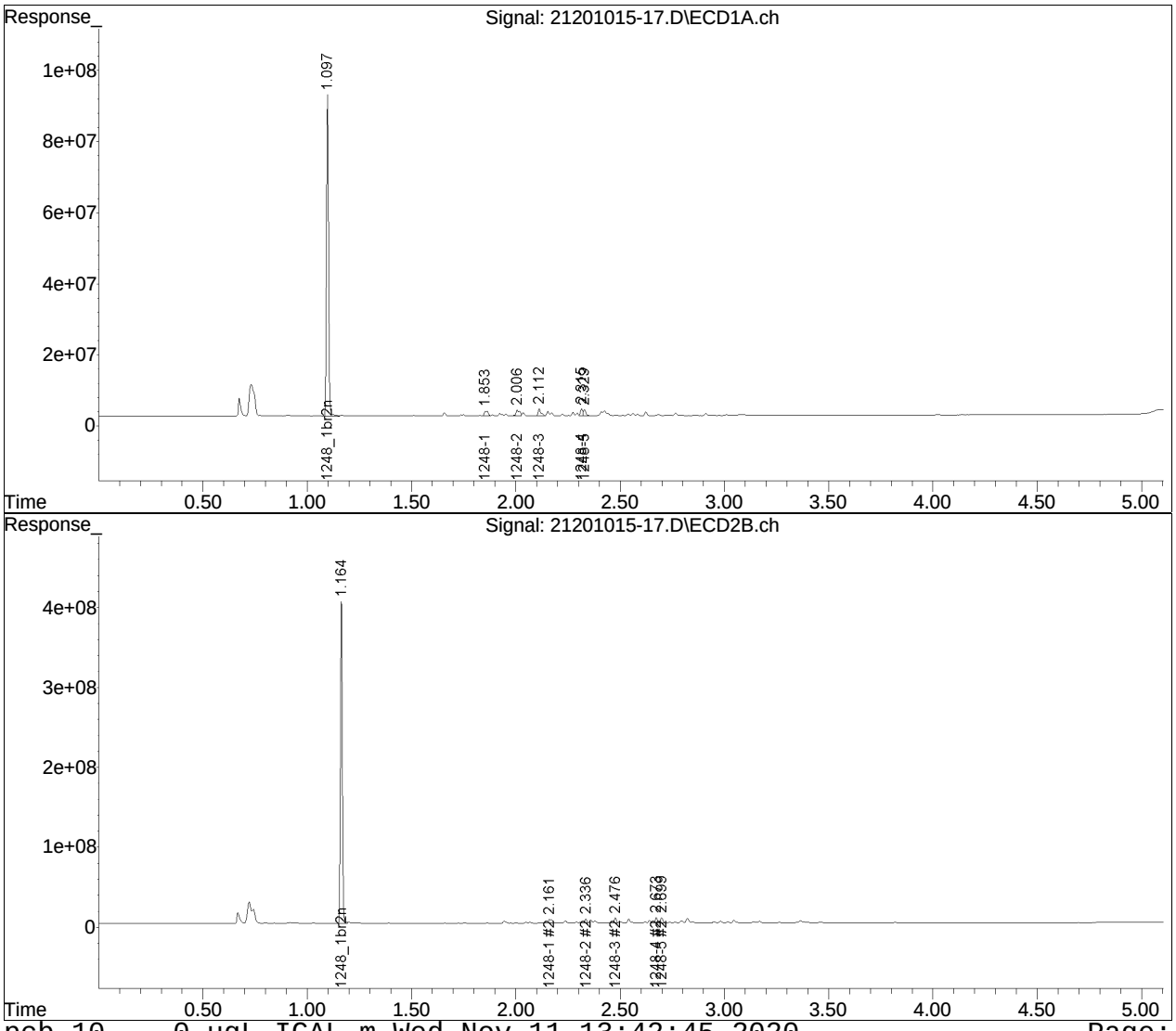
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-17.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:09 pm
Operator : pest21:kb
Sample : il11248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:21:25 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:21:09 2020
Response via : Initial Calibration
Integrator: ChemStation

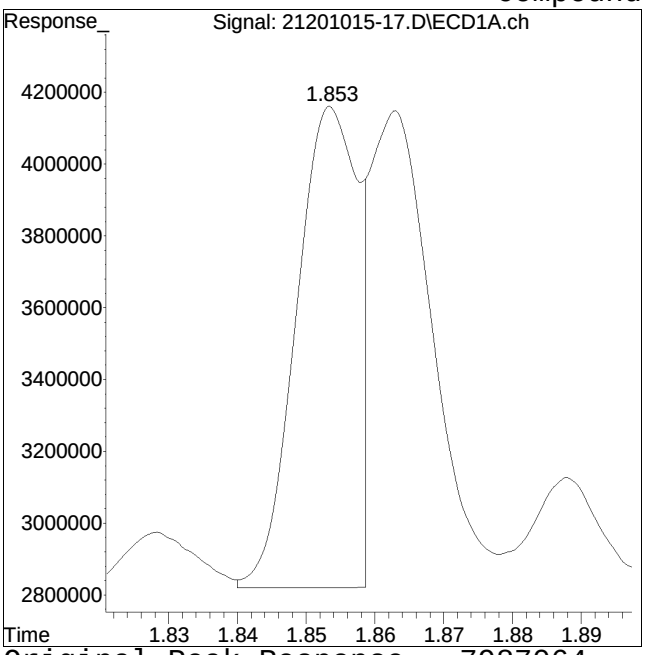
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

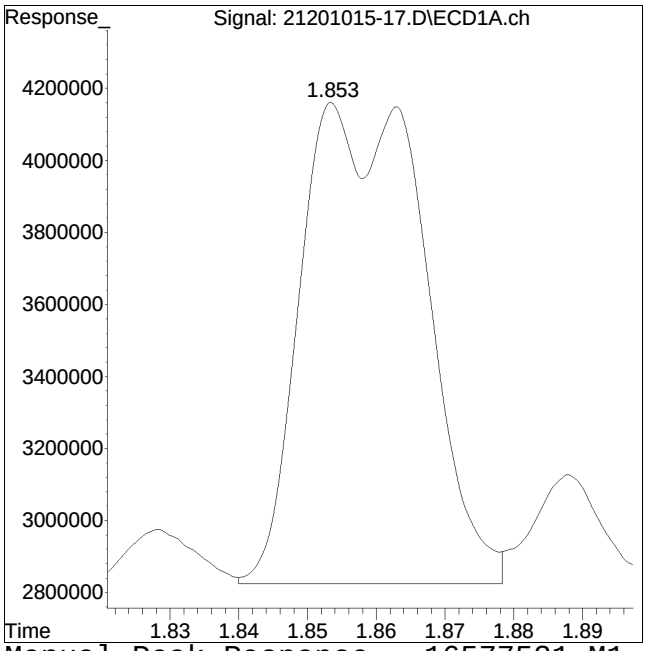


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-17.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:09 pm Instrument : Pest 21
Sample : il11248,42e,,10135 Quant Date : 11/11/2020 1:21 pm

Compound #35: 1248-1



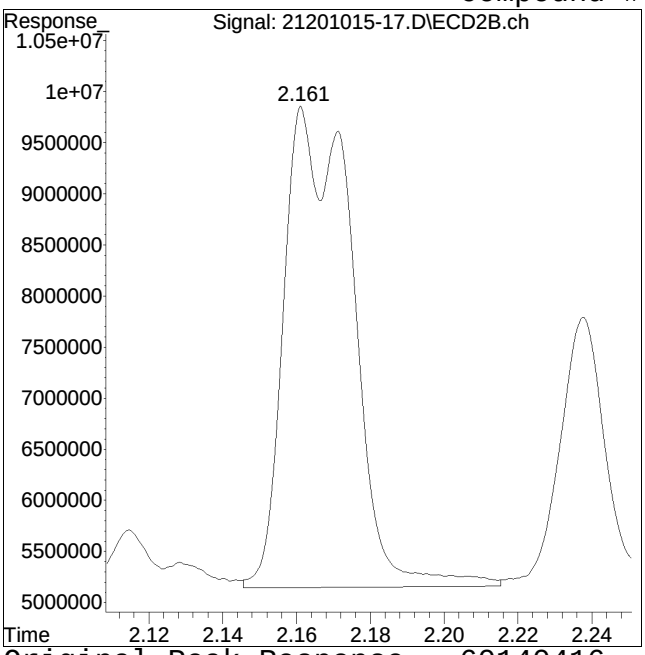


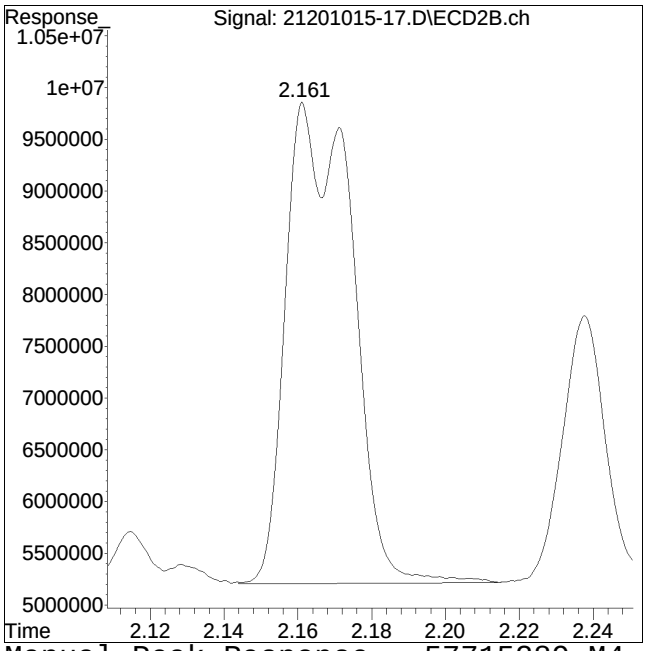
Original Peak Response = 7987064 Manual Peak Response = 16577521 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-17.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:09 pm Instrument : Pest 21
Sample : il11248,42e,,10135 Quant Date : 11/11/2020 1:21 pm

Compound #86: 1248-1 #2



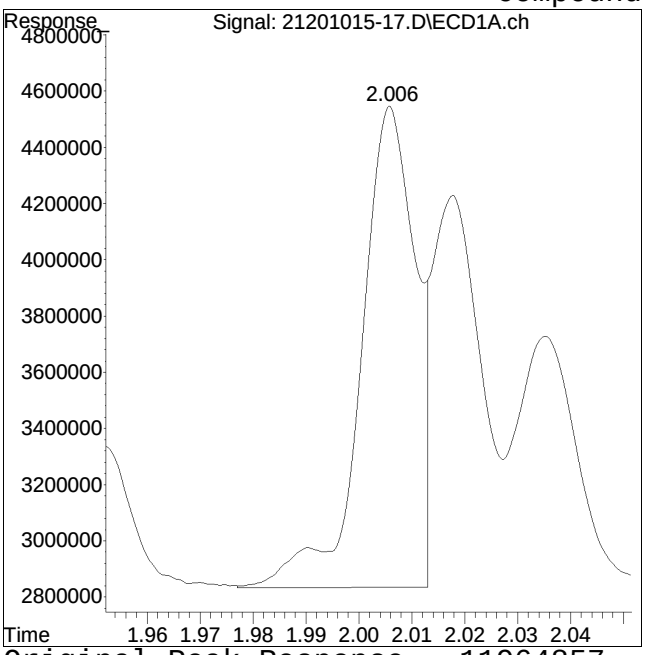


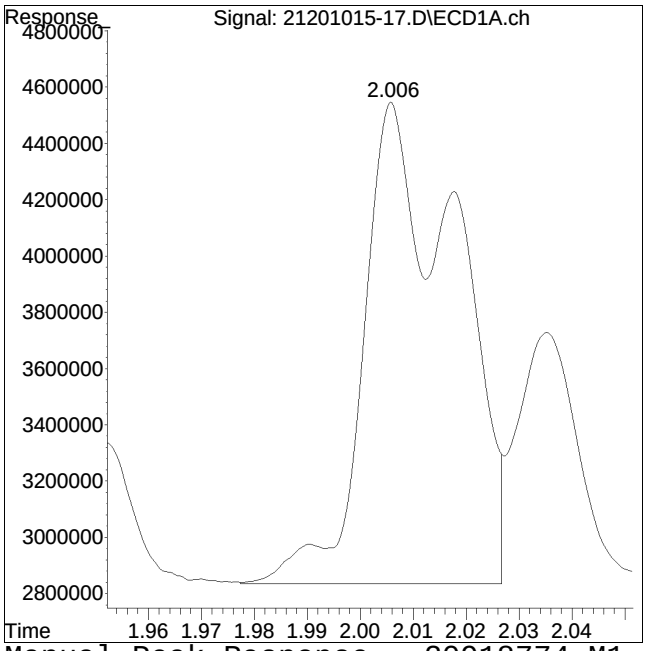
Original Peak Response = 60140416 Manual Peak Response = 57715289 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-17.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:09 pm Instrument : Pest 21
Sample : il11248,42e,,10135 Quant Date : 11/11/2020 1:21 pm

Compound #36: 1248-2



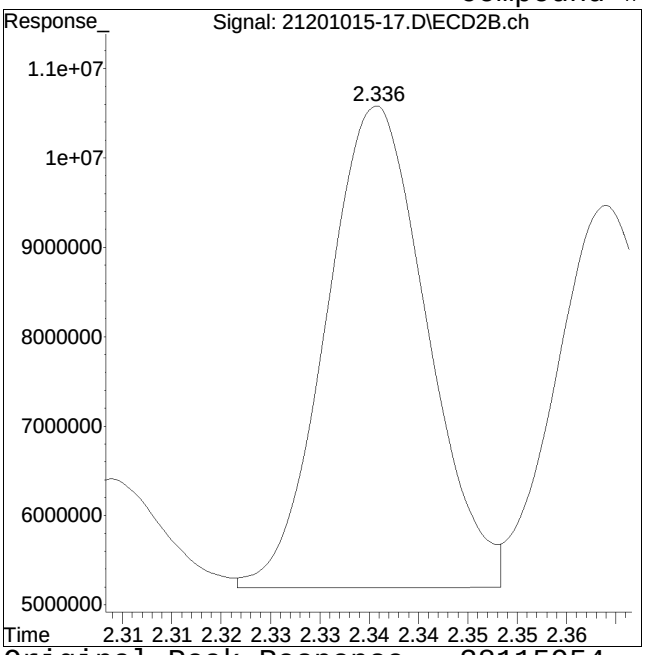


Original Peak Response = 11964857 Manual Peak Response = 20918774 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

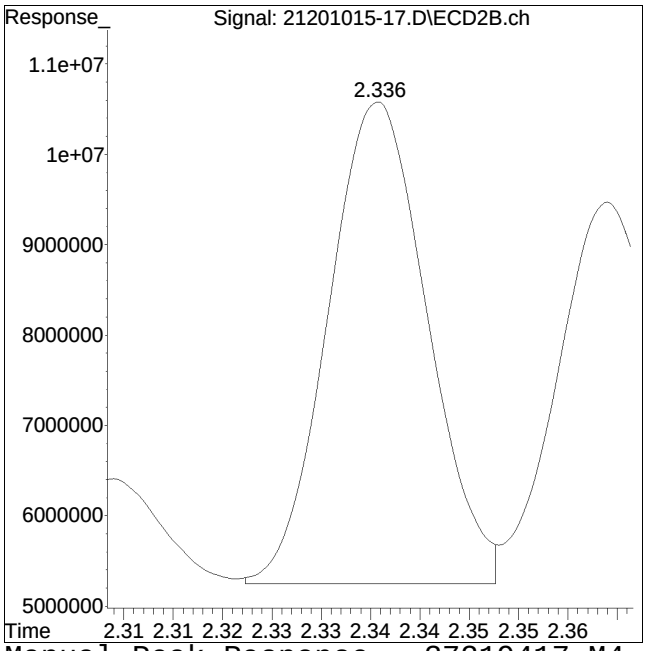
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-17.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:09 pm Instrument : Pest 21
Sample : il11248,42e,,10135 Quant Date : 11/11/2020 1:21 pm

Compound #87: 1248-2 #2



Original Peak Response = 38115954



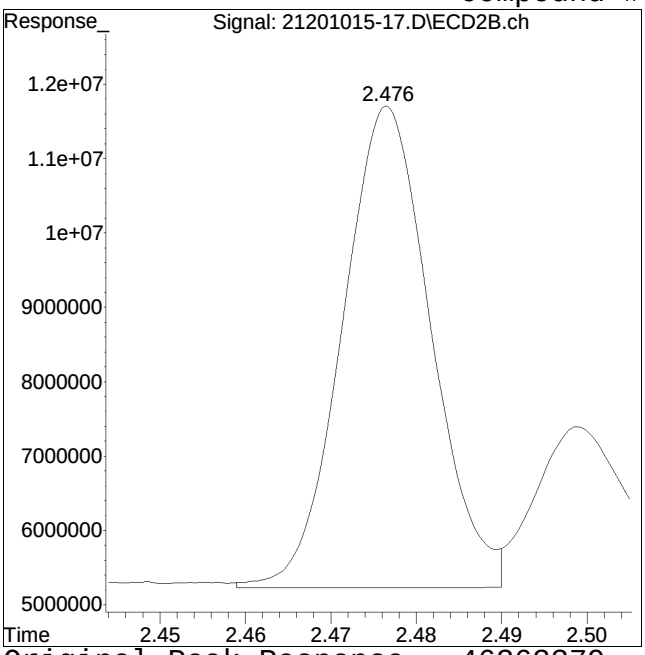
Manual Peak Response = 37219417 M4

M4 = Poor automated baseline construction.

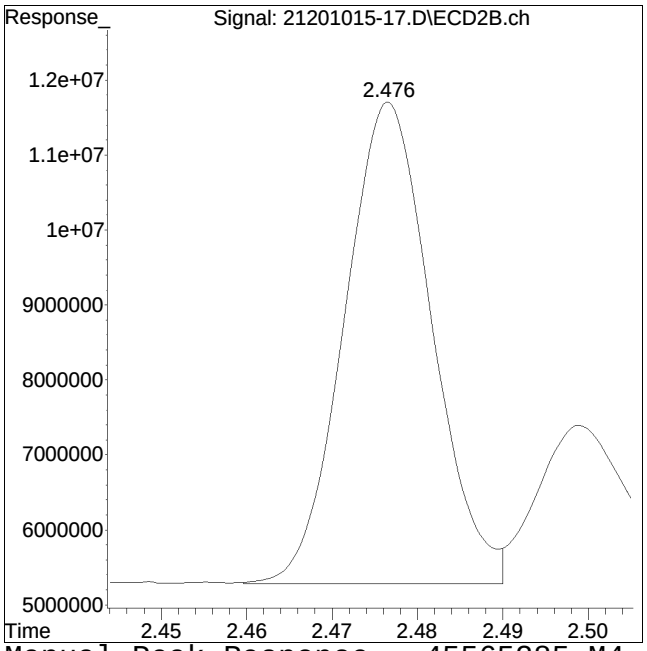
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-17.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:09 pm Instrument : Pest 21
Sample : il11248,42e,,10135 Quant Date : 11/11/2020 1:21 pm

Compound #88: 1248-3 #2



Original Peak Response = 46363379



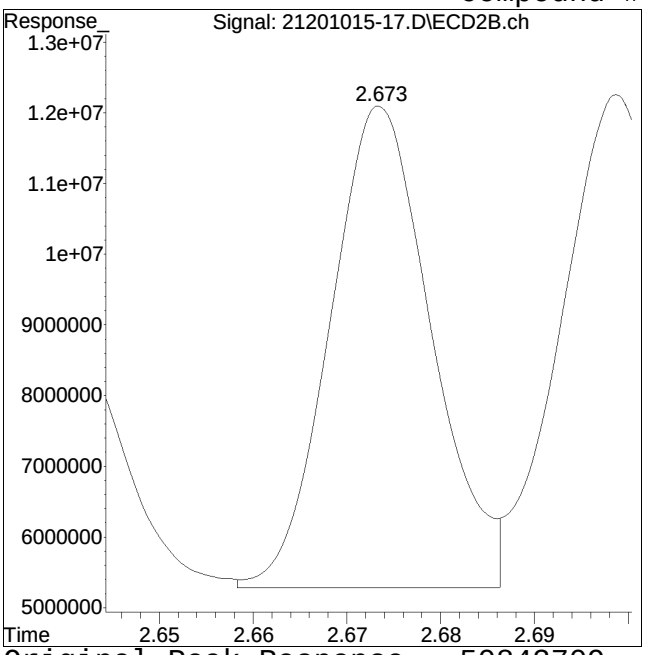
Manual Peak Response = 45565285 M4

M4 = Poor automated baseline construction.

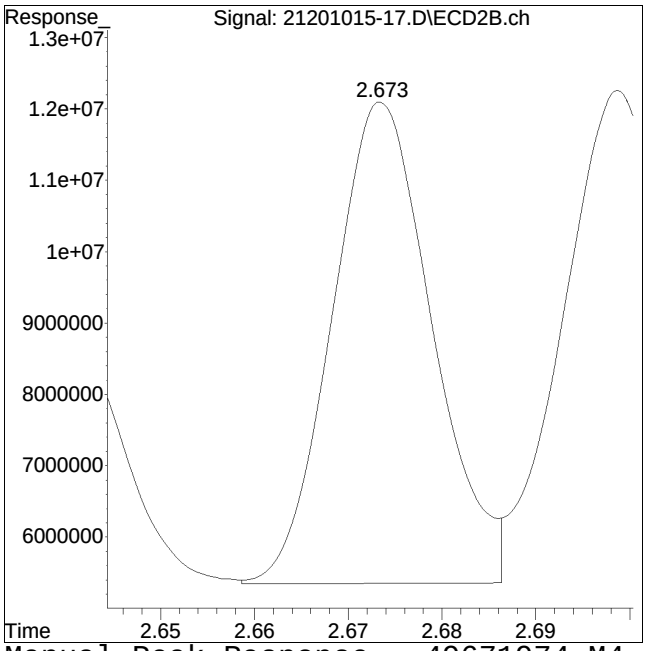
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-17.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:09 pm Instrument : Pest 21
Sample : il11248,42e,,10135 Quant Date : 11/11/2020 1:21 pm

Compound #89: 1248-4 #2



Original Peak Response = 50843709



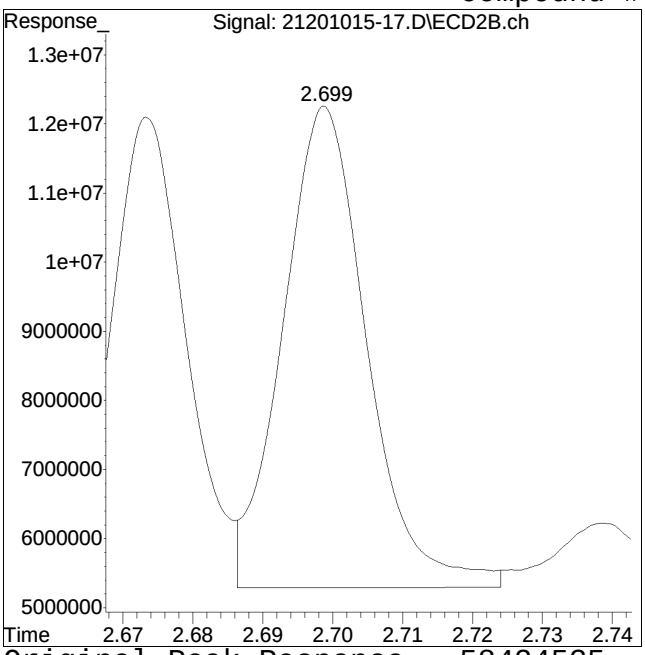
Manual Peak Response = 49671974 M4

M4 = Poor automated baseline construction.

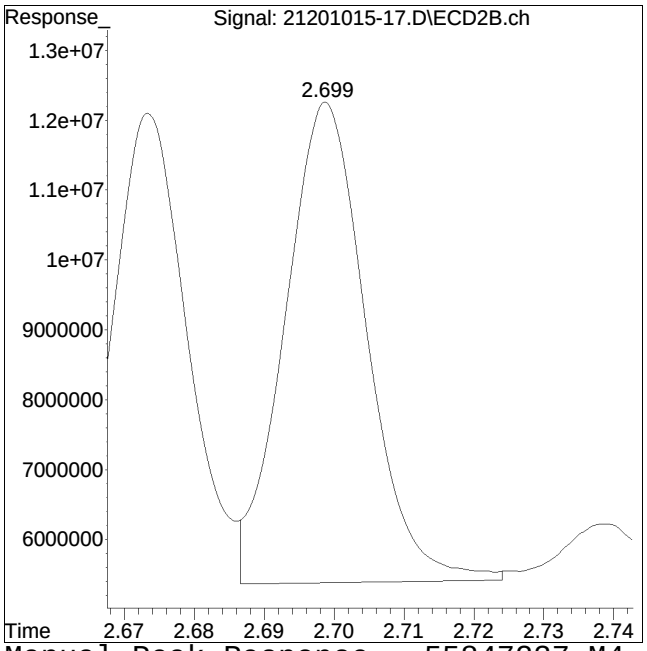
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-17.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:09 pm Instrument : Pest 21
Sample : il11248,42e,,10135 Quant Date : 11/11/2020 1:21 pm

Compound #90: 1248-5 #2



Original Peak Response = 58424535



Manual Peak Response = 55847237 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:16 pm
Operator : pest21:kb
Sample : il21248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:22:07 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:21:52 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.096	1.163	608.5E6	2481.9E6	250.000	250.000
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:16 pm
Operator : pest21:kb
Sample : il21248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:22:07 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:21:52 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	1.853	2.160	77852801	260.6E6	512.692	520.095M1
36) l7	1248-2	2.005	2.335	96158516	164.5E6	526.266M1	532.718
37) l7	1248-3	2.112	2.476	83110077	204.3E6	519.969	528.505
38) l7	1248-4	2.315	2.673	68836187	223.3E6	510.045	523.758
39) l7	1248-5	2.329	2.698	63638542	253.5E6	516.728	526.988
Sum	1248-1			389.6E6	1106.3E6	N.D.	N.D. D

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:16 pm
Operator : pest21:kb
Sample : il21248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:22:07 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:21:52 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					517.140	526.413
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

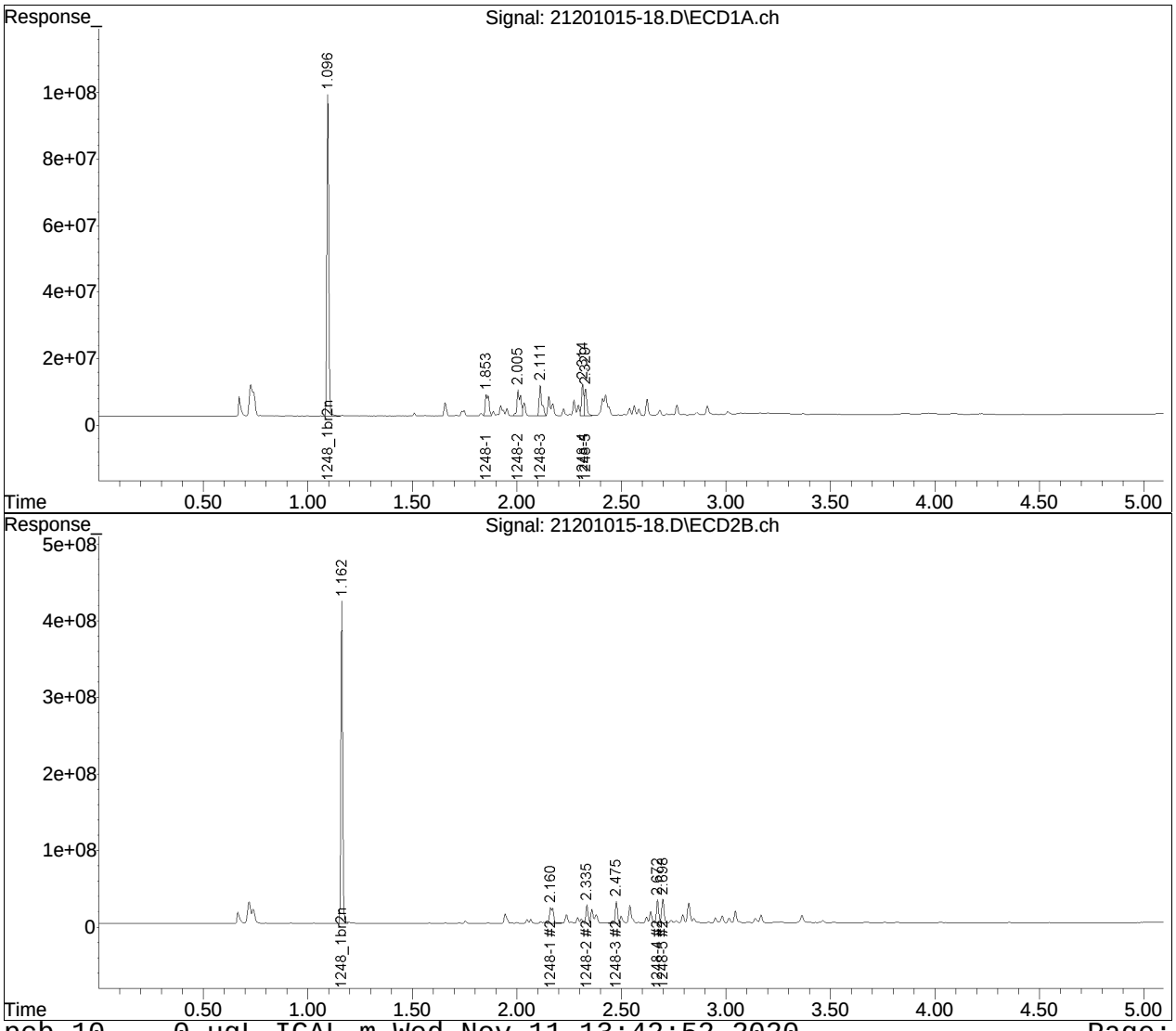
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-18.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:16 pm
Operator : pest21:kb
Sample : il21248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:22:07 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:21:52 2020
Response via : Initial Calibration
Integrator: ChemStation

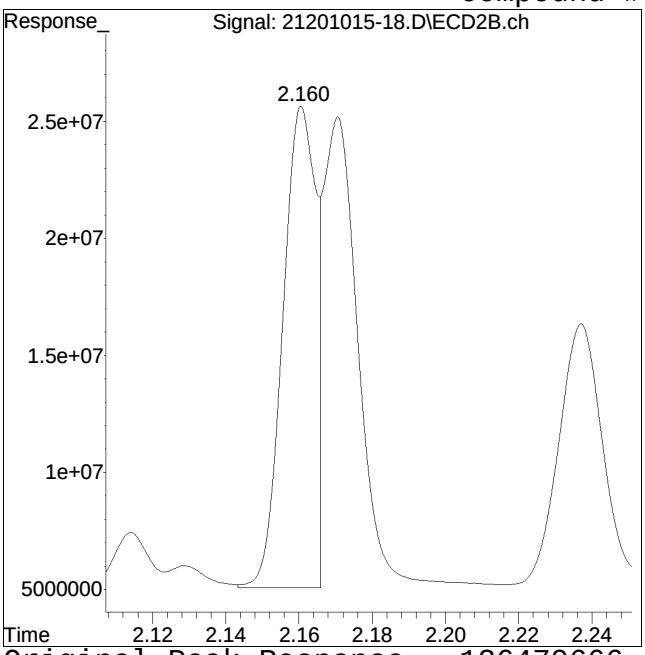
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

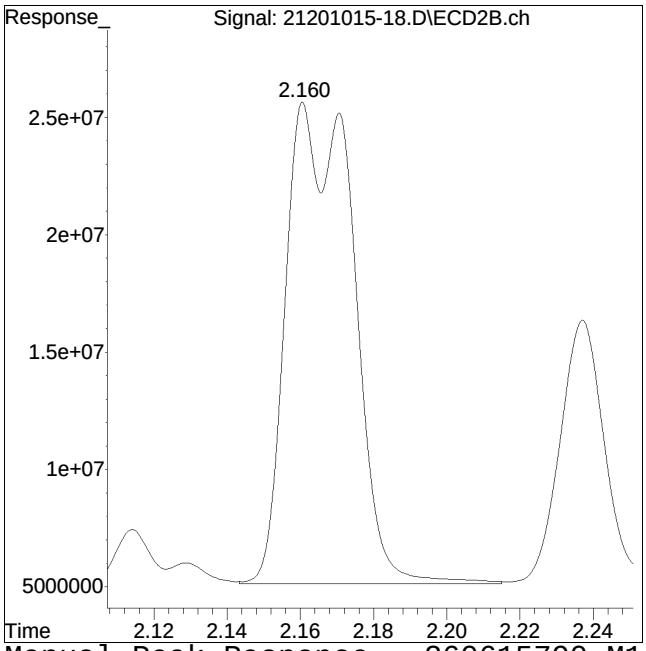


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-18.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:16 pm Instrument : Pest 21
Sample : il21248,42e,,10135 Quant Date : 11/11/2020 1:21 pm

Compound #86: 1248-1 #2



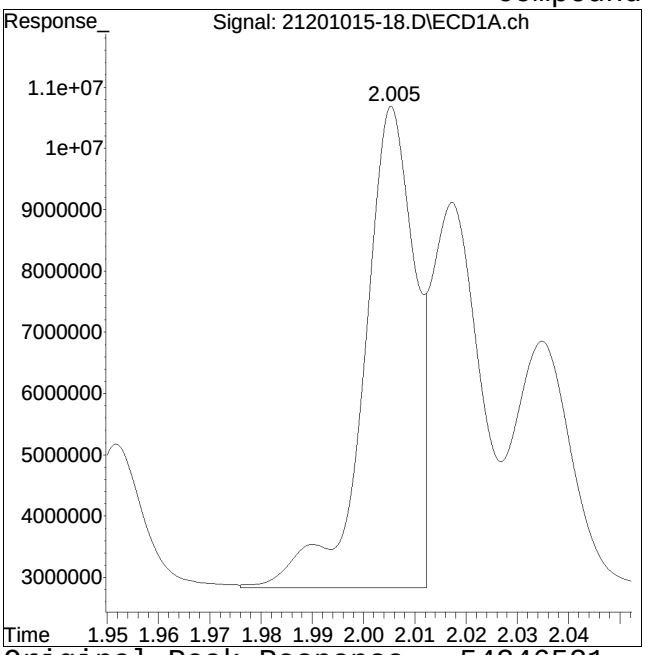


Original Peak Response = 126479666 Manual Peak Response = 260615790 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

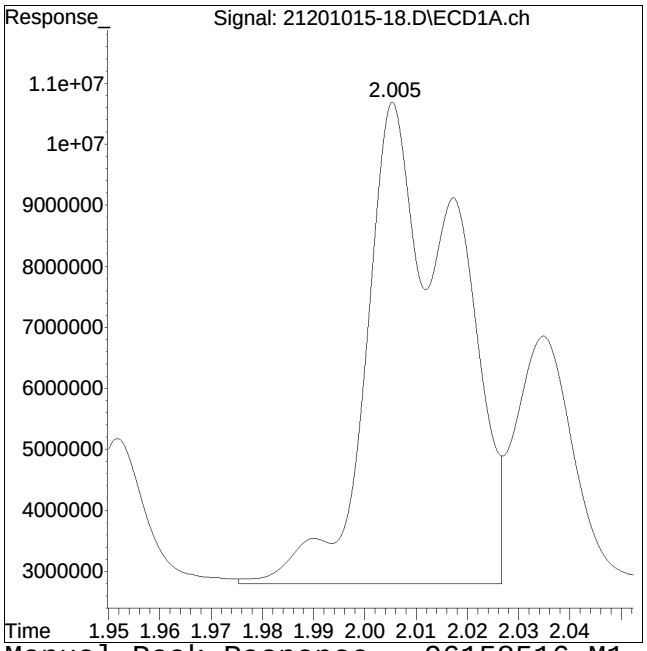
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-18.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:16 pm Instrument : Pest 21
Sample : il21248,42e,,10135 Quant Date : 11/11/2020 1:21 pm

Compound #36: 1248-2



Original Peak Response = 54246521



Manual Peak Response = 96158516 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:23 pm
Operator : pest21:kb
Sample : il31248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:22:43 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:22:28 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.096	1.163	617.6E6	2545.5E6	250.000	250.000
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:23 pm
Operator : pest21:kb
Sample : il31248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:22:43 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:22:28 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	1.862	2.161	151.5E6	509.4E6	983.128	991.188M1
36) l7	1248-2	2.005	2.335	186.6E6	311.6E6	1006.236M1	983.790
37) l7	1248-3	2.112	2.476	160.0E6	388.8E6	986.297	980.801
38) l7	1248-4	2.315	2.673	135.0E6	427.9E6	985.499	978.507
39) l7	1248-5	2.329	2.699	123.4E6	483.4E6	987.052	979.704
Sum	1248-1			756.5E6	2121.2E6	N.D.	N.D. D

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:23 pm
Operator : pest21:kb
Sample : il31248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:22:43 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:22:28 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					989.642	982.798
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

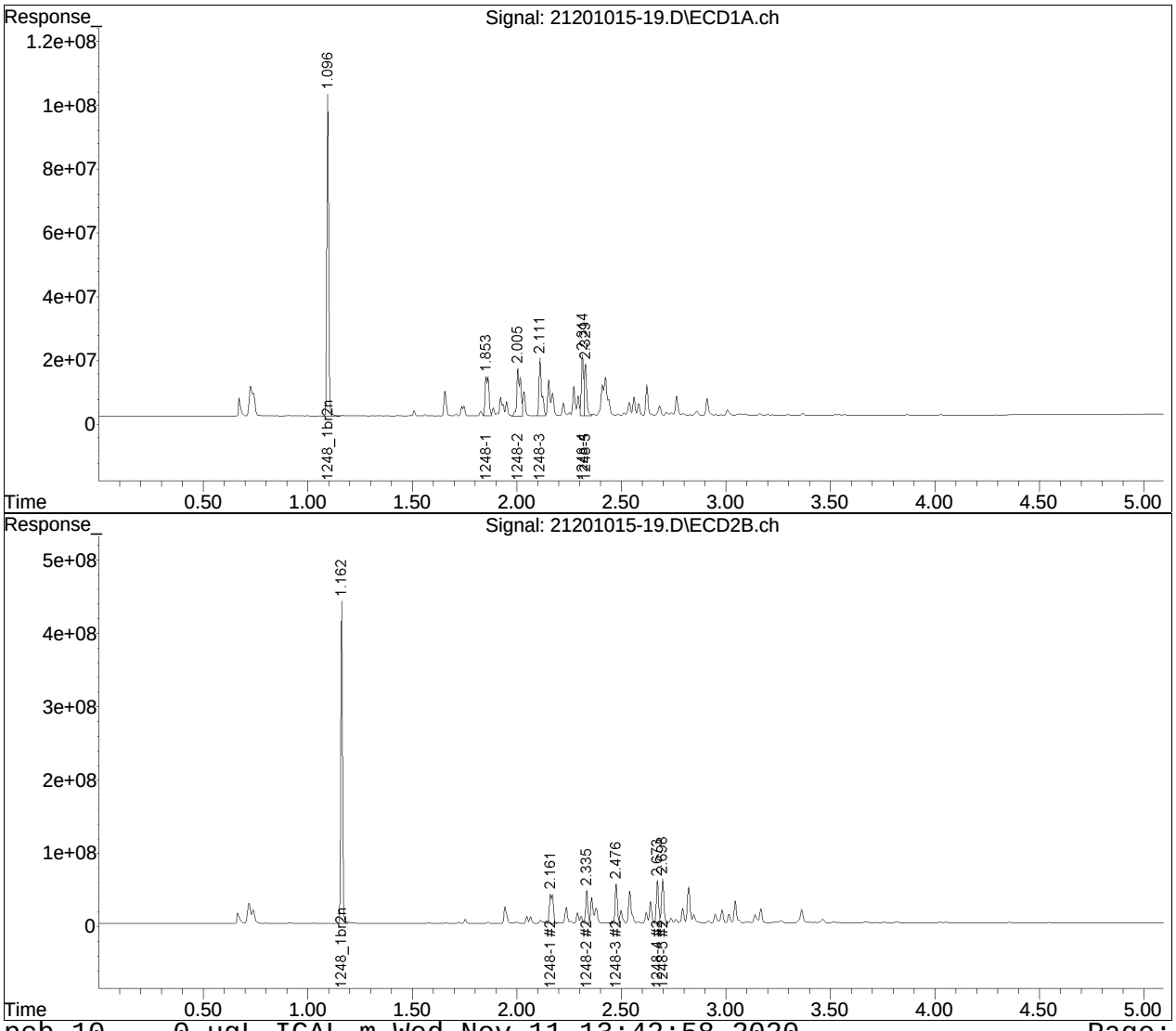
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-19.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:23 pm
Operator : pest21:kb
Sample : il31248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:22:43 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:22:28 2020
Response via : Initial Calibration
Integrator: ChemStation

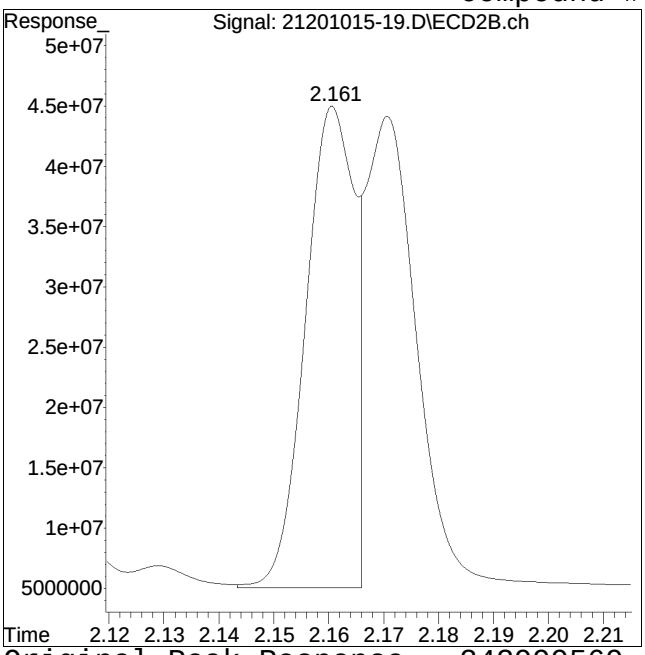
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

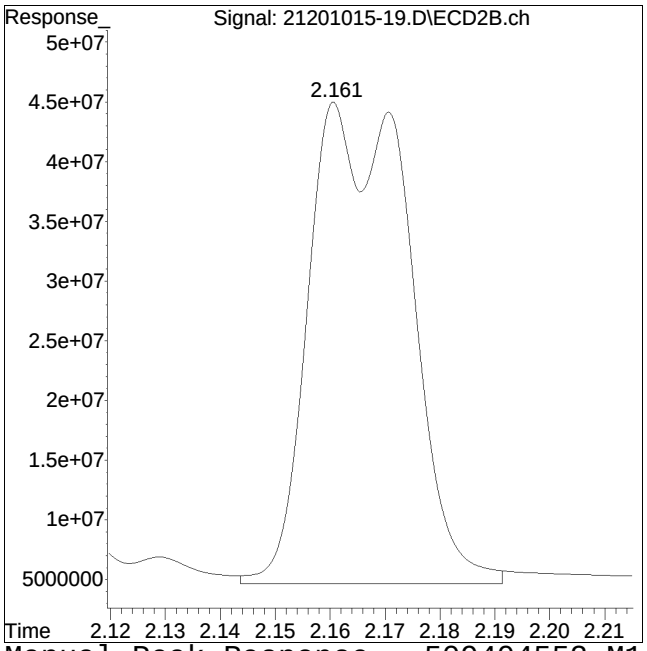


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-19.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:23 pm Instrument : Pest 21
Sample : il31248,42e,,10135 Quant Date : 11/11/2020 1:22 pm

Compound #86: 1248-1 #2



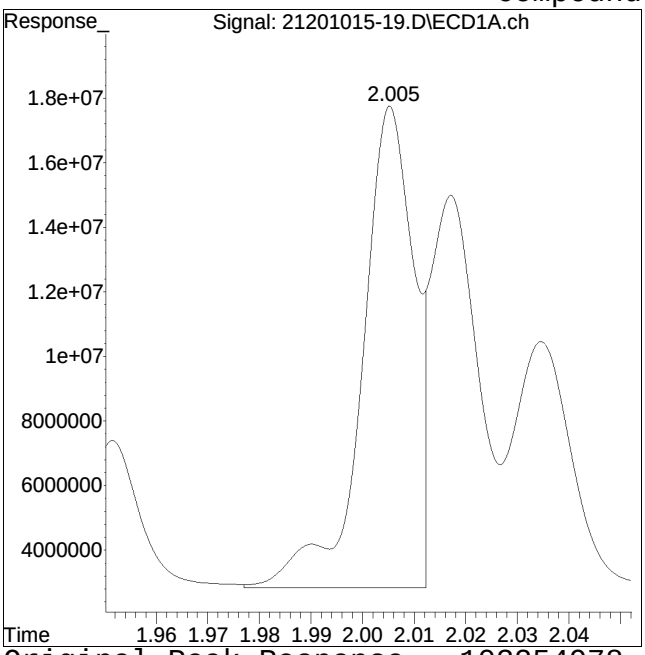


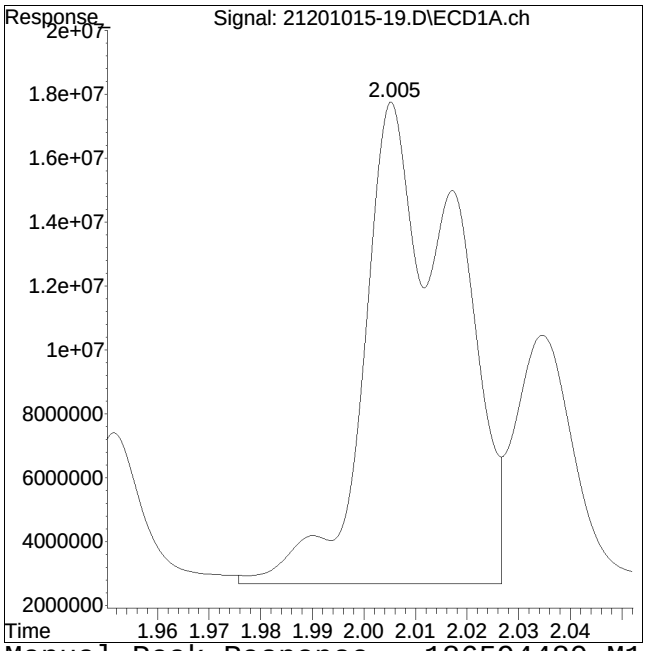
Original Peak Response = 242999569 Manual Peak Response = 509404552 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-19.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:23 pm Instrument : Pest 21
Sample : il31248,42e,,10135 Quant Date : 11/11/2020 1:22 pm

Compound #36: 1248-2





Original Peak Response = 103254978 Manual Peak Response = 186594480 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:30 pm
Operator : pest21:kb
Sample : il41248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:23:35 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:23:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.096	1.163	615.9E6	2543.2E6	250.000	250.000
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:30 pm
Operator : pest21:kb
Sample : il41248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:23:35 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:23:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	1.852	2.169	375.2E6	1209.6E6	2441.208M1	2355.678
36) l7	1248-2	2.005	2.335	442.5E6	737.6E6	2392.363M1	2330.460
37) l7	1248-3	2.111	2.476	387.5E6	930.4E6	2394.981	2348.994
38) l7	1248-4	2.314	2.673	332.4E6	1038.0E6	2433.424	2375.521
39) l7	1248-5	2.328	2.699	301.7E6	1165.6E6	2419.985	2364.276
Sum	1248-1			1839.3E6	5081.1E6	N.D.	N.D. D

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:30 pm
Operator : pest21:kb
Sample : il41248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:23:35 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:23:18 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					2416.392	2354.986
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

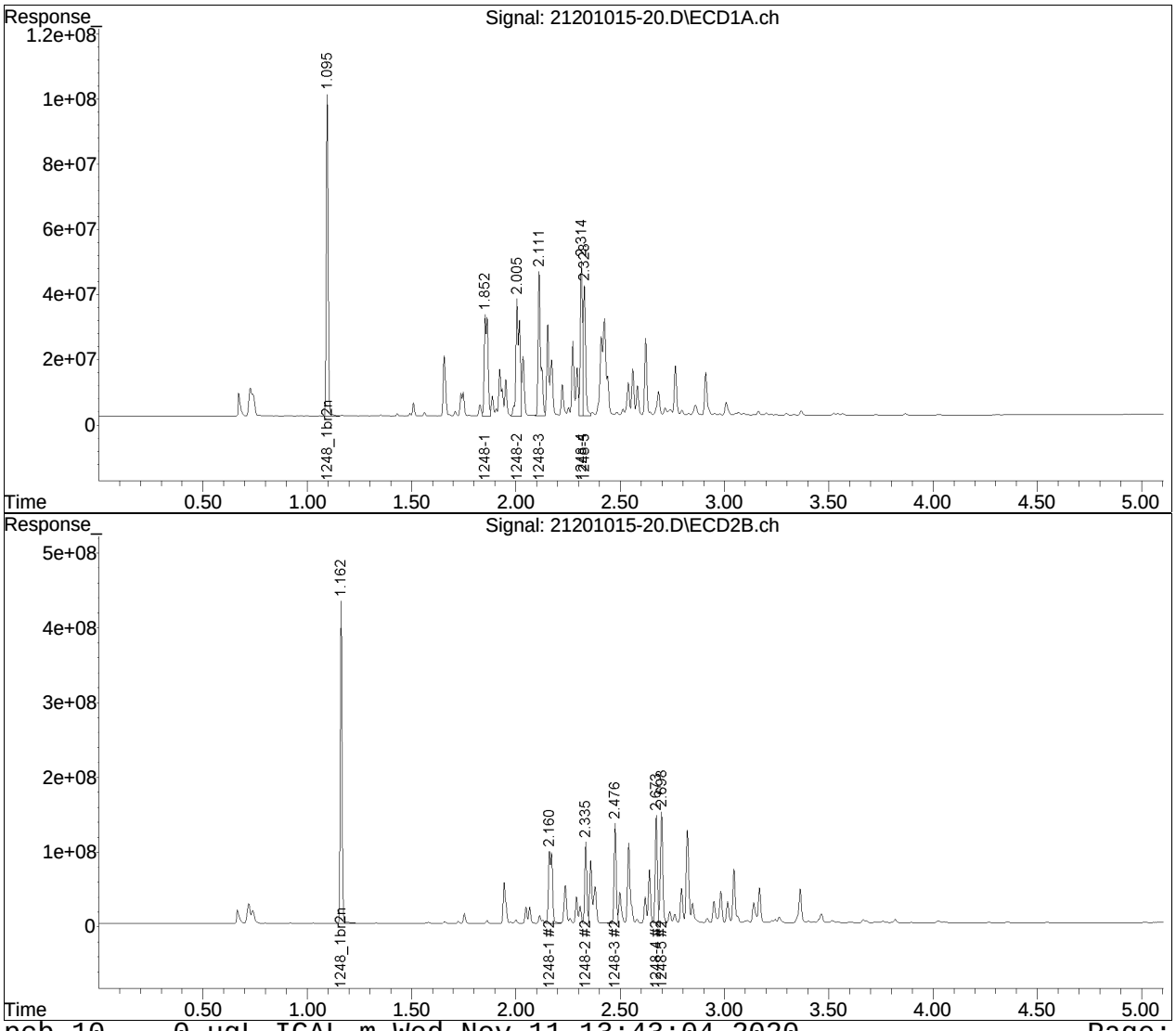
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-20.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:30 pm
Operator : pest21:kb
Sample : il41248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:23:35 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:23:18 2020
Response via : Initial Calibration
Integrator: ChemStation

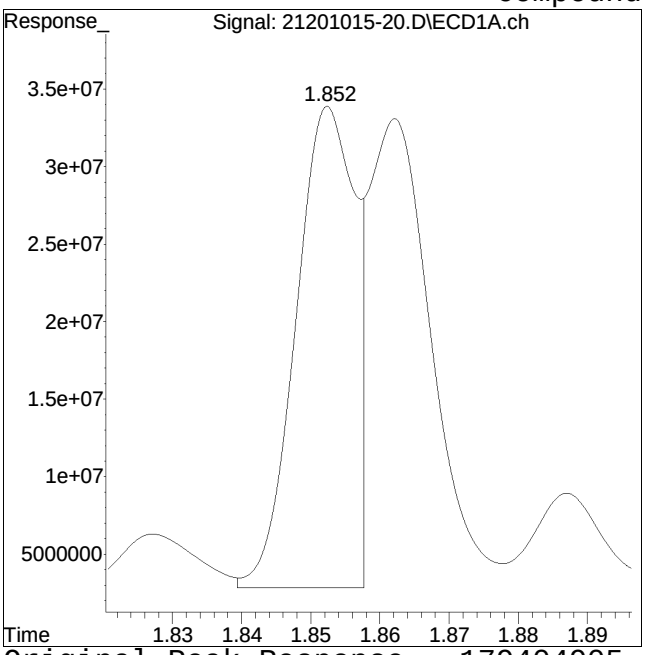
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

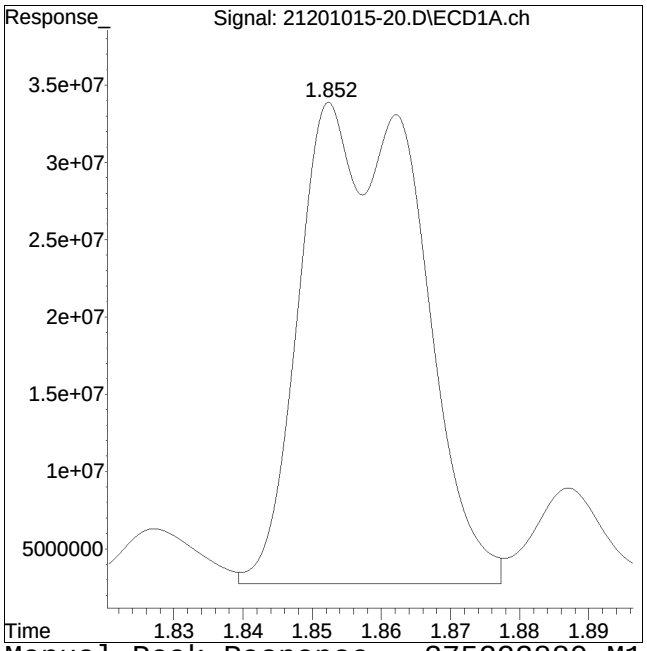


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-20.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:30 pm Instrument : Pest 21
Sample : il41248,42e,,10135 Quant Date : 11/11/2020 1:23 pm

Compound #35: 1248-1



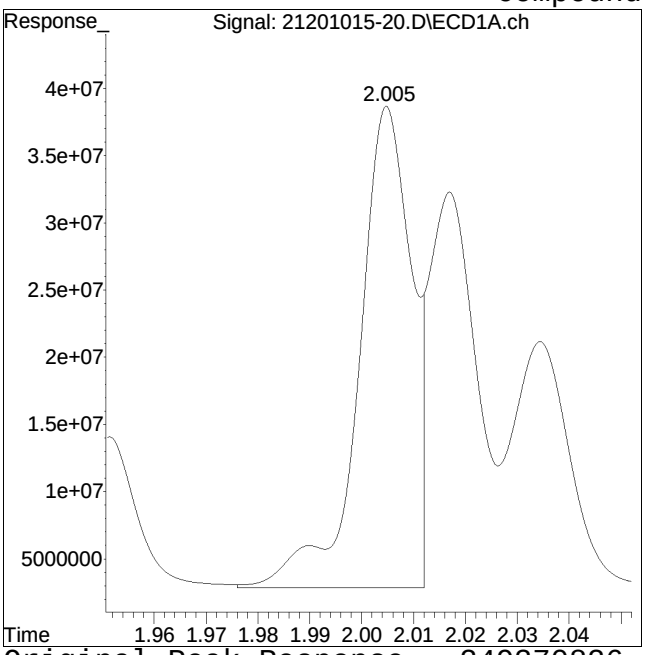


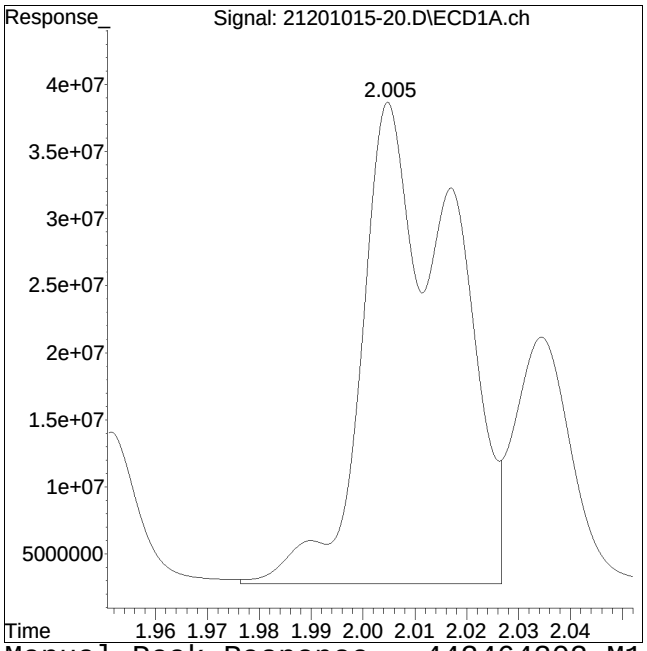
Original Peak Response = 179404905 Manual Peak Response = 375223880 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-20.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:30 pm Instrument : Pest 21
Sample : il41248,42e,,10135 Quant Date : 11/11/2020 1:23 pm

Compound #36: 1248-2





Original Peak Response = 249370826 Manual Peak Response = 442464202 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-21.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:37 pm
Operator : pest21:kb
Sample : il51248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:24:02 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:23:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.096	1.162	594.9E6	2420.4E6	250.000	250.000
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-21.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:37 pm
Operator : pest21:kb
Sample : il51248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:24:02 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:23:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	1.852	2.161	737.2E6	2366.8E6	4966.042M1	4843.159M1
36) l7	1248-2	2.005	2.336	855.0E6	1428.4E6	4786.279M1	4742.302
37) l7	1248-3	2.111	2.476	757.6E6	1816.4E6	4848.108	4819.011
38) l7	1248-4	2.314	2.673	655.9E6	2003.0E6	4971.548	4816.721
39) l7	1248-5	2.329	2.699	589.2E6	2280.1E6	4894.065	4859.574

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-21.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:37 pm
Operator : pest21:kb
Sample : il51248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:24:02 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:23:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1248-1			3594.9E6	9894.7E6	N.D.	N.D. D
Average	1248-1					4893.209	4816.153
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

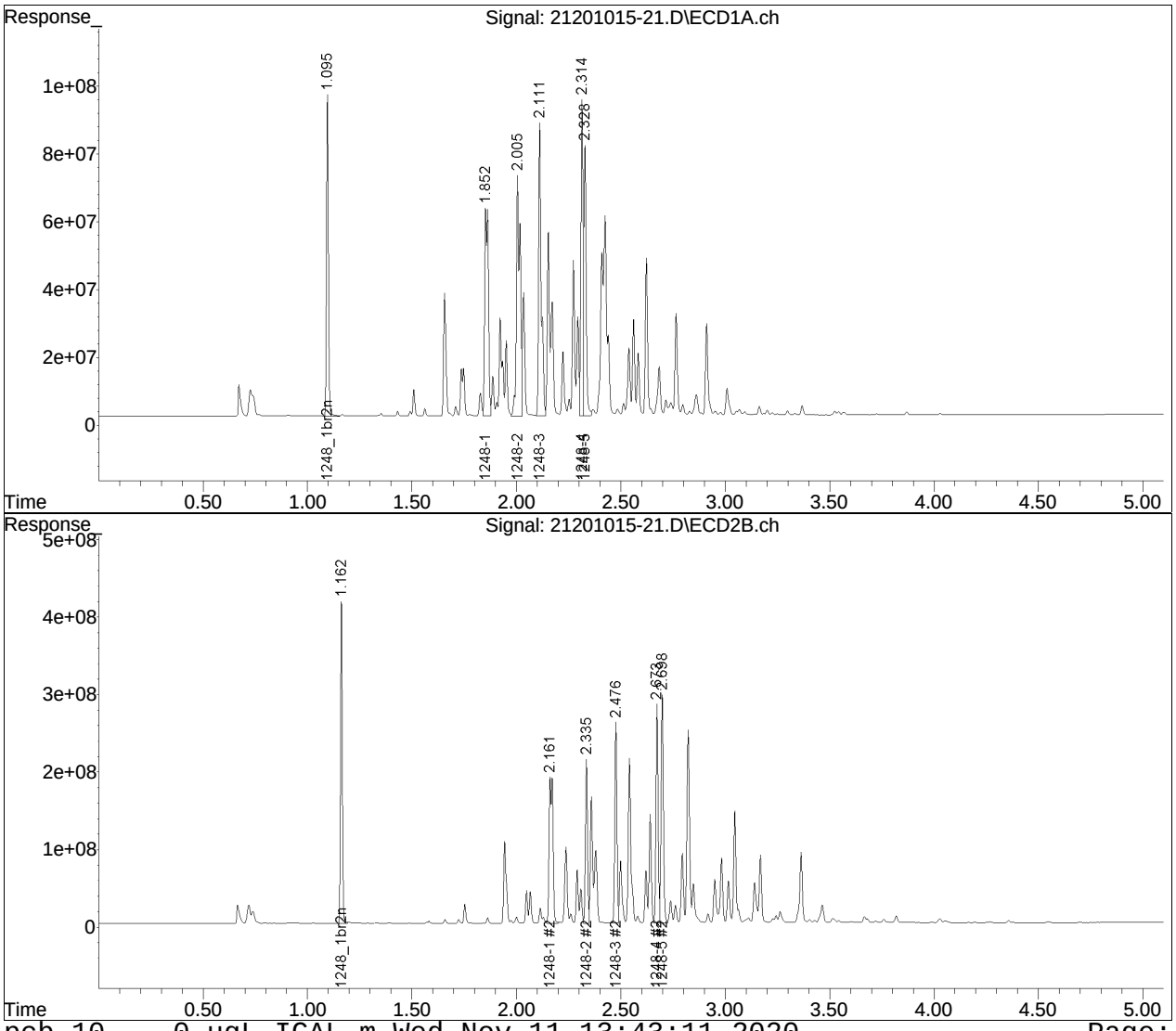
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-21.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:37 pm
Operator : pest21:kb
Sample : il51248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:24:02 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:23:46 2020
Response via : Initial Calibration
Integrator: ChemStation

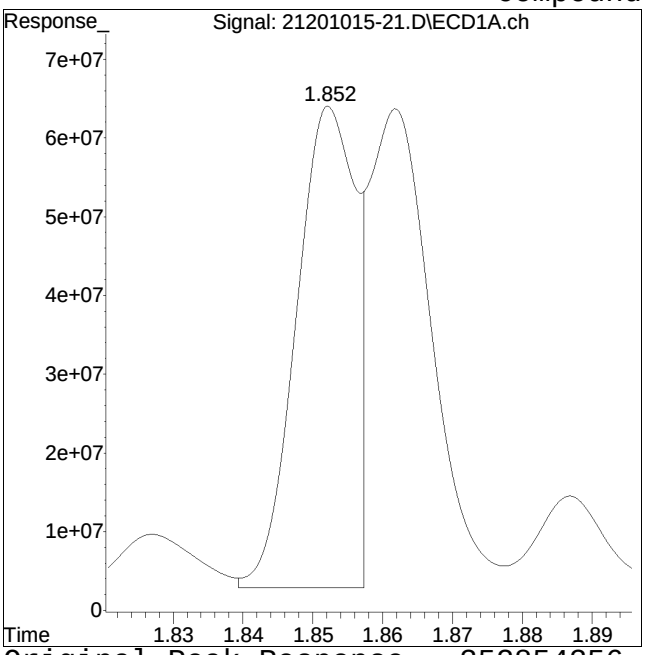
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

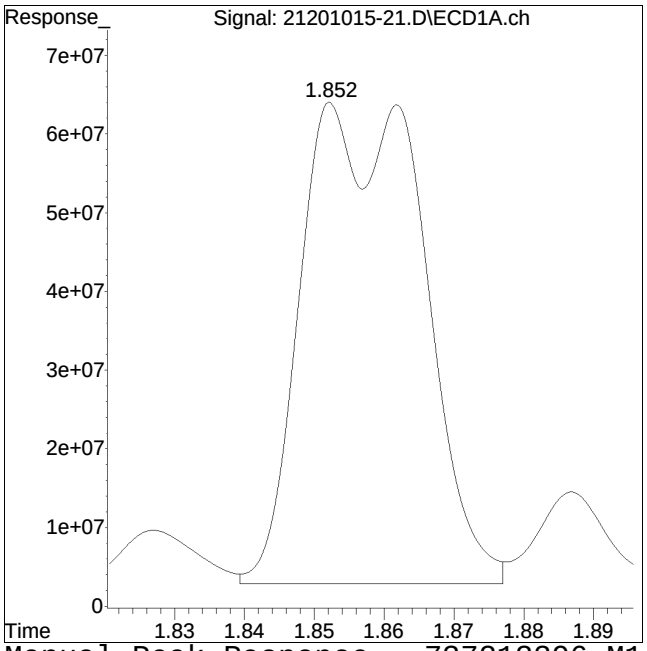


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-21.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:37 pm Instrument : Pest 21
Sample : il51248,42e,,10135 Quant Date : 11/11/2020 1:23 pm

Compound #35: 1248-1



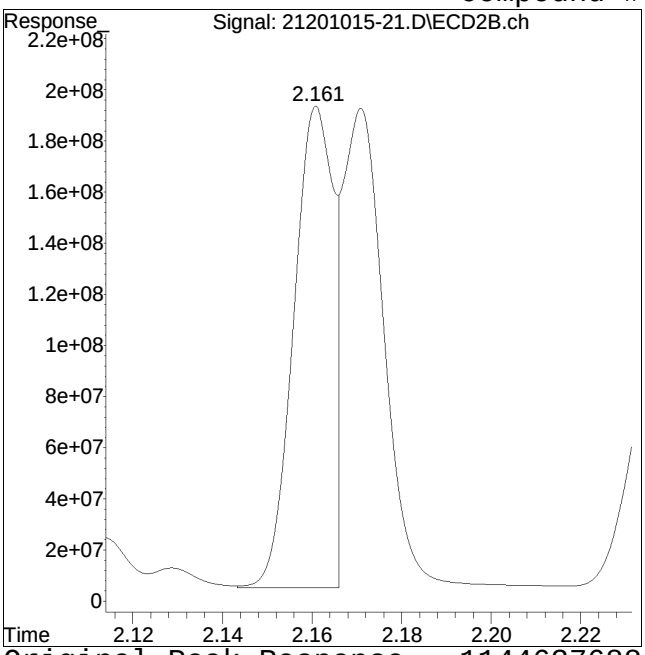


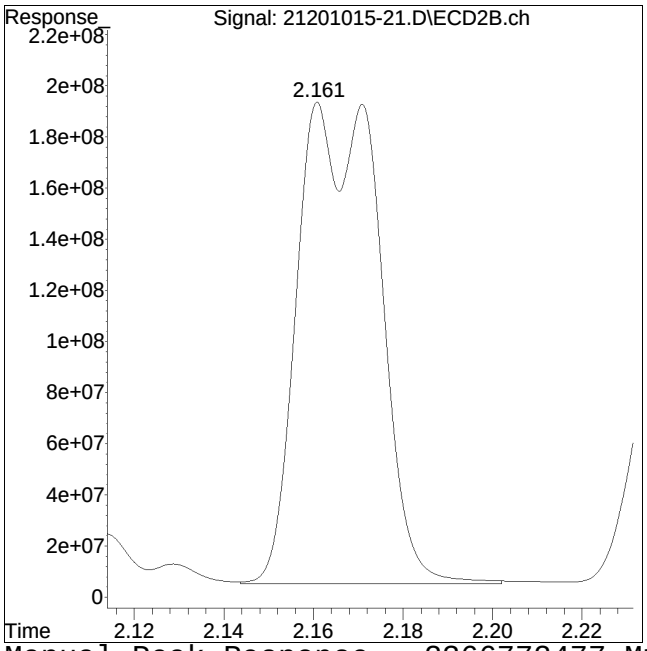
Original Peak Response = 352854356 Manual Peak Response = 737213396 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-21.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:37 pm Instrument : Pest 21
Sample : il51248,42e,,10135 Quant Date : 11/11/2020 1:23 pm

Compound #86: 1248-1 #2



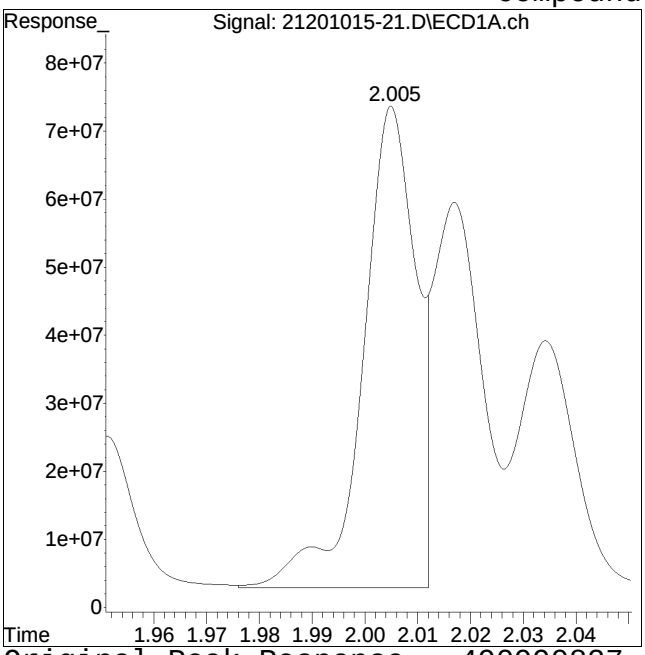


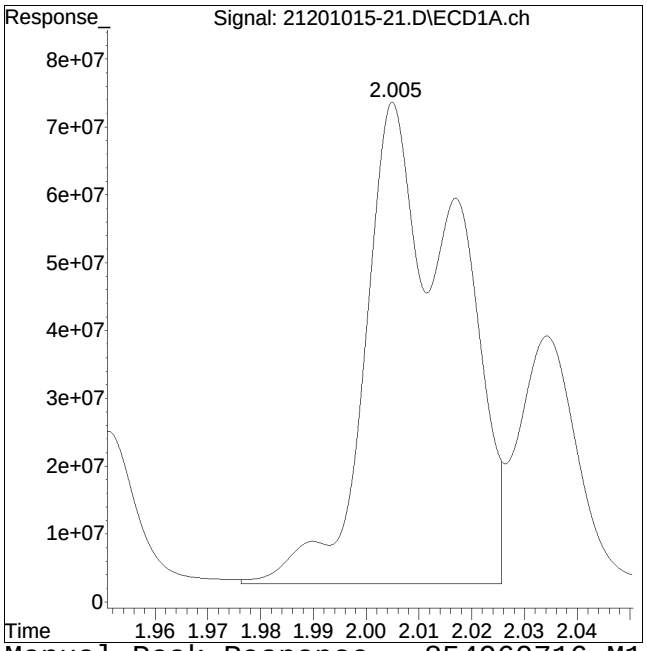
Original Peak Response = 1144637688 Manual Peak Response = 2366772477 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-21.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:37 pm Instrument : Pest 21
Sample : il51248,42e,,10135 Quant Date : 11/11/2020 1:23 pm

Compound #36: 1248-2





Original Peak Response = 490990827 Manual Peak Response = 854960716 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:44 pm
Operator : pest21:kb
Sample : il61248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:24:29 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:24:14 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.096	1.163	622.9E6	2530.4E6	250.000	250.000
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:44 pm
Operator : pest21:kb
Sample : il61248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:24:29 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:24:14 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	1.862	2.161	1476.7E6	4752.0E6	9500.244	9301.466M1
36) l7	1248-2	2.005	2.336	1689.1E6	2803.5E6	9030.650M1	8903.476
37) l7	1248-3	2.112	2.477	1501.2E6	3565.0E6	9175.107	9046.697
38) l7	1248-4	2.315	2.674	1308.8E6	3999.8E6	9473.767	9200.285
39) l7	1248-5	2.329	2.699	1166.5E6	4475.0E6	9252.678	9123.064
Sum	1248-1			7142.2E6	19595.3E6	N.D.	N.D. D

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:44 pm
Operator : pest21:kb
Sample : il61248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:24:29 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:24:14 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					9286.489	9114.998
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

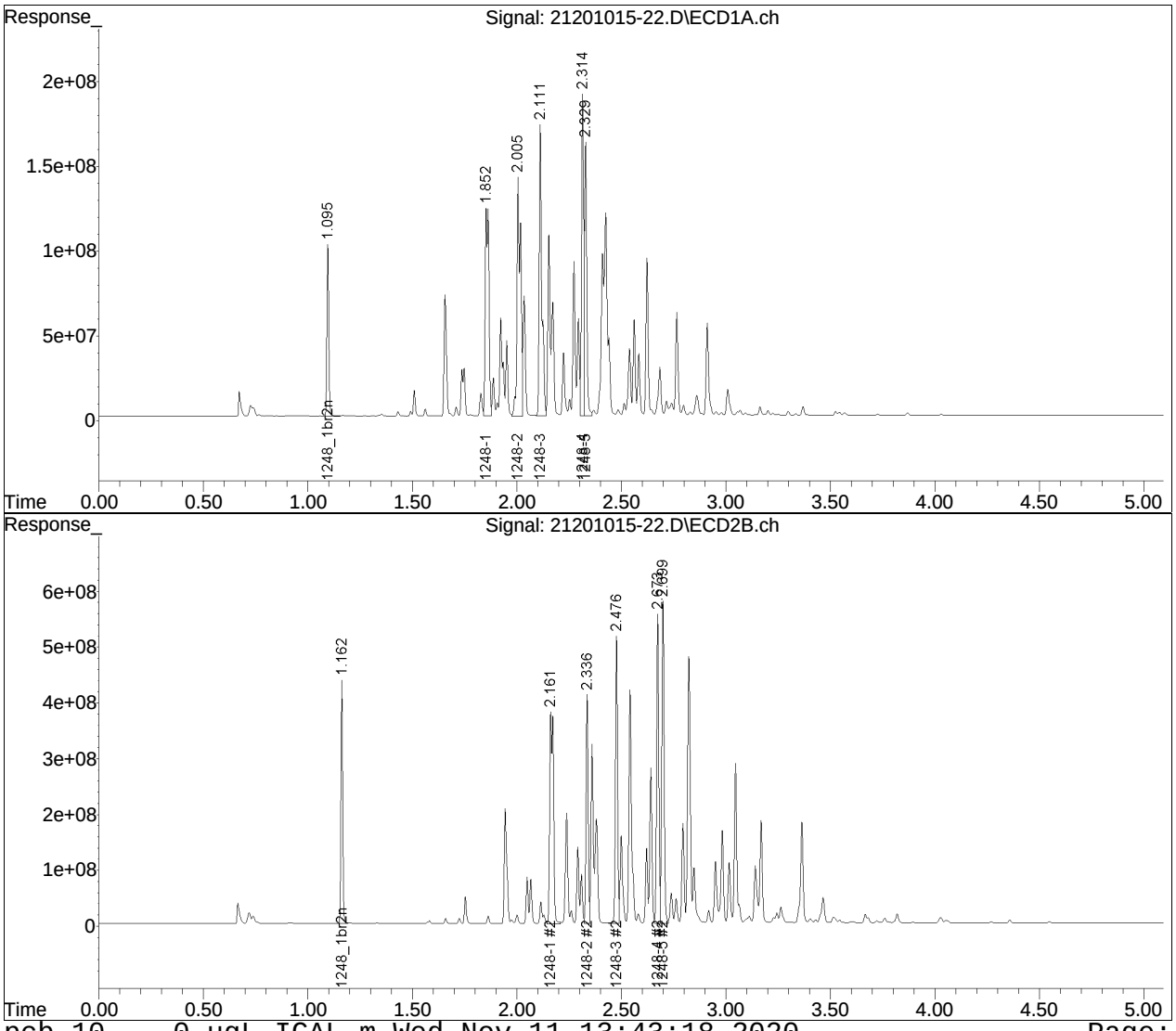
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-22.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:44 pm
Operator : pest21:kb
Sample : il61248,42e,,10135
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:24:29 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:24:14 2020
Response via : Initial Calibration
Integrator: ChemStation

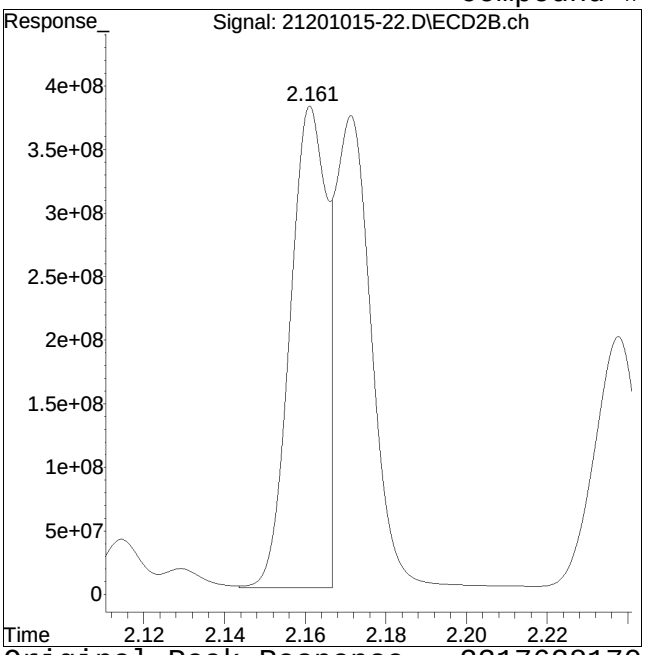
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

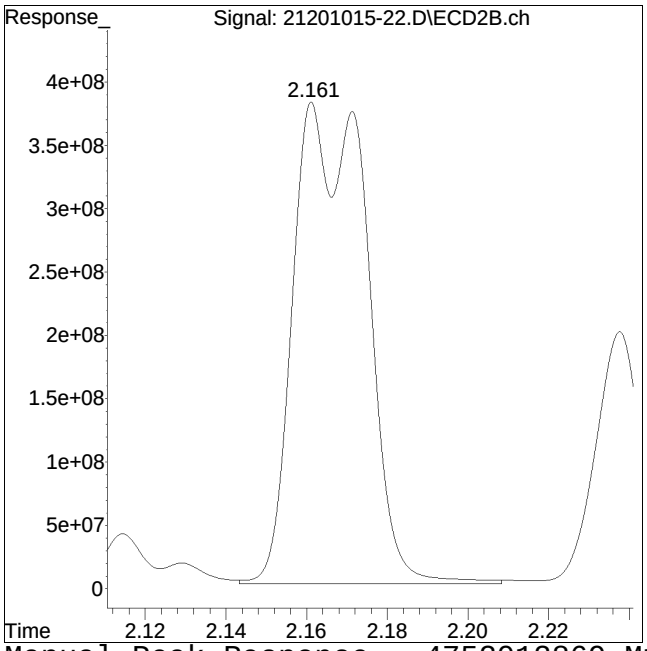


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-22.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:44 pm Instrument : Pest 21
Sample : il61248,42e,,10135 Quant Date : 11/11/2020 1:24 pm

Compound #86: 1248-1 #2



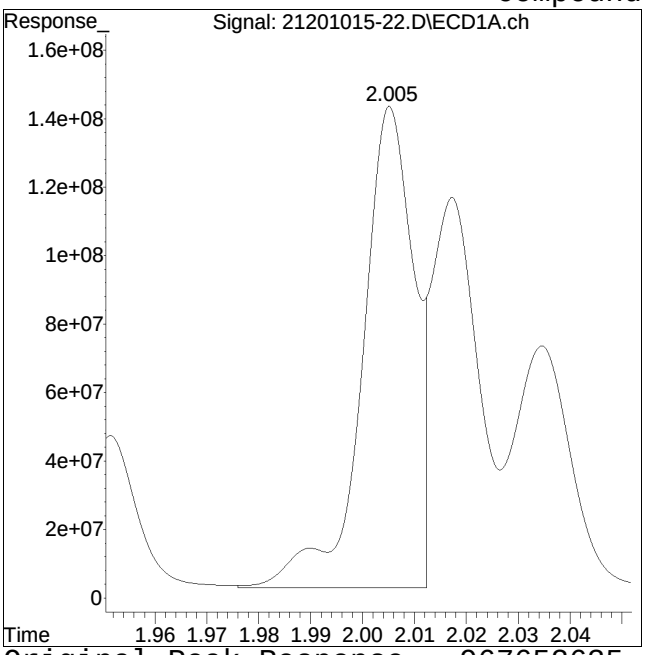


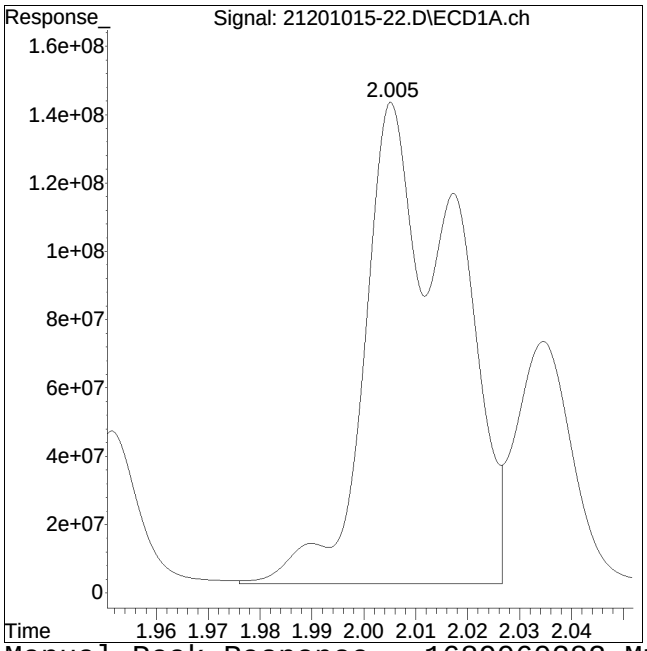
Original Peak Response = 2317628170 Manual Peak Response = 4752012869 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-22.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:44 pm Instrument : Pest 21
Sample : il61248,42e,,10135 Quant Date : 11/11/2020 1:24 pm

Compound #36: 1248-2





Original Peak Response = 967652635 Manual Peak Response = 1689060282 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-23.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:50 pm
Operator : pest21:kb
Sample : il12154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:24:57 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:24:42 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.096	1.163	624.5E6	2548.2E6	250.000	250.000
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	1.432	1.659	4444792	14883087	111.220	114.415M4
16) l3	1221-2	1.492	1.724	2631533	9529088	112.214	116.661M4
17) l3	1221-3	1.509	1.753	10697329	34592994	114.472	116.491M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-23.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:50 pm
Operator : pest21:kb
Sample : il12154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:24:57 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:24:42 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			17773653	59005169	337.905	347.567
Average	1221-1					112.635	115.856
18) l4	1254-1	2.295	2.696	13532420	49559762	112.546	115.284M4
19) l4	1254-2	2.420	2.794	23687088	60637915	113.028	122.563M4
20) l4	1254-3	2.623	3.046	21932788	81505053	107.039	111.536M4
21) l4	1254-4	2.765	3.168	16910684	51676093	108.183	107.643M4
22) l4	1254-5	3.009	3.465	24516980	78536738	110.043	111.238M4
Sum	1254-1			100.6E6	321.9E6	N.D.	N.D. D
Average	1254-1					110.168	113.653
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-23.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:50 pm
Operator : pest21:kb
Sample : il12154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:24:57 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:24:42 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

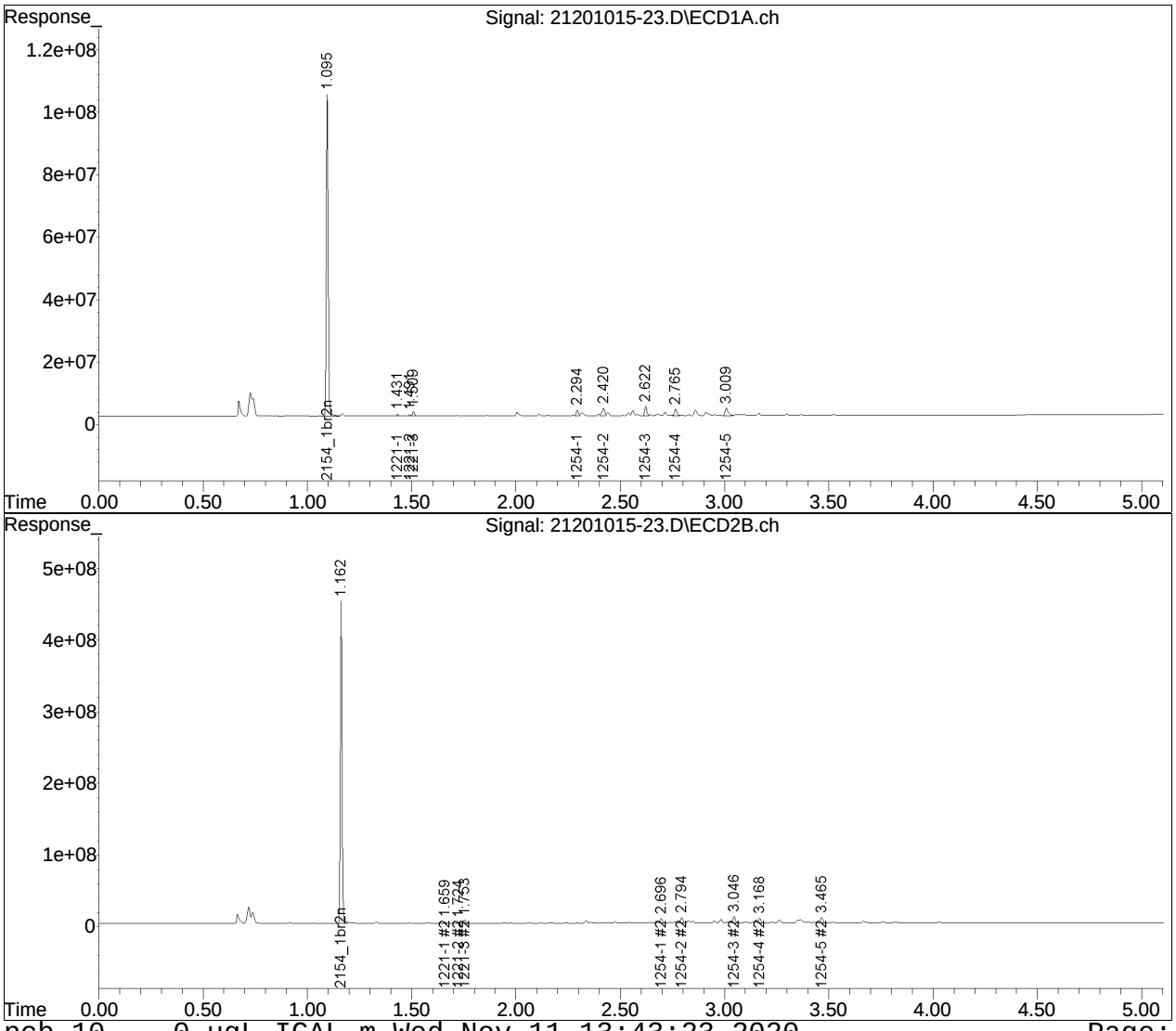
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-23.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:50 pm
Operator : pest21:kb
Sample : il12154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:24:57 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:24:42 2020
Response via : Initial Calibration
Integrator: ChemStation

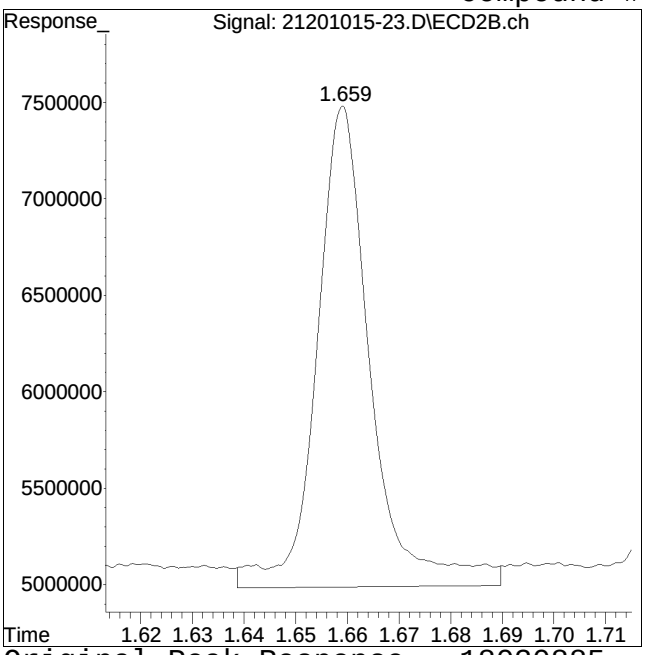
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



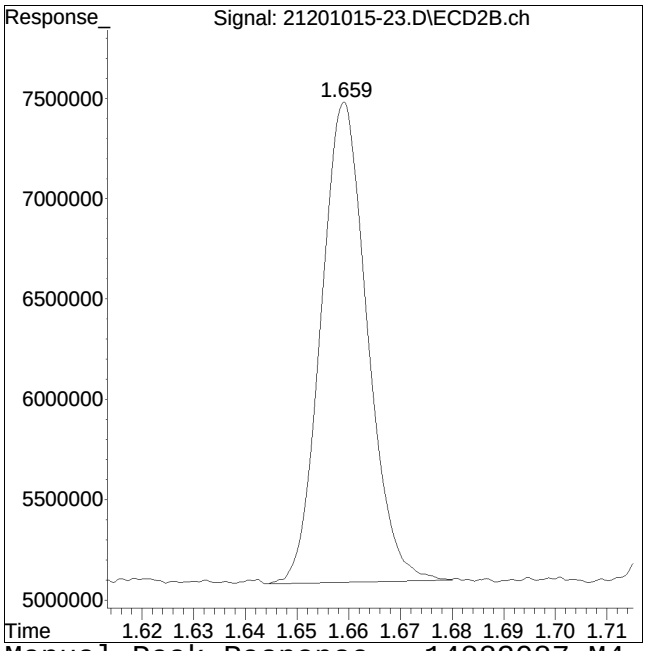
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-23.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:50 pm Instrument : Pest 21
Sample : il12154,42e,,10133 Quant Date : 11/11/2020 1:24 pm

Compound #66: 1221-1 #2



Original Peak Response = 18030885



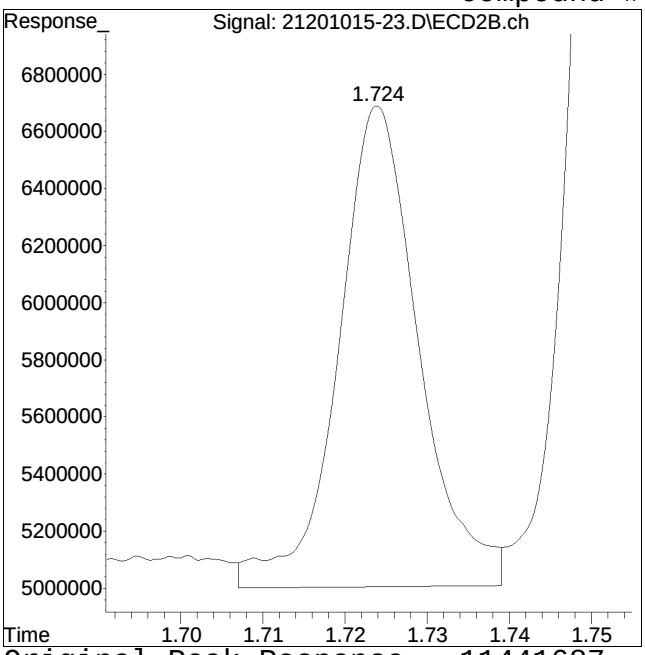
Manual Peak Response = 14883087 M4

M4 = Poor automated baseline construction.

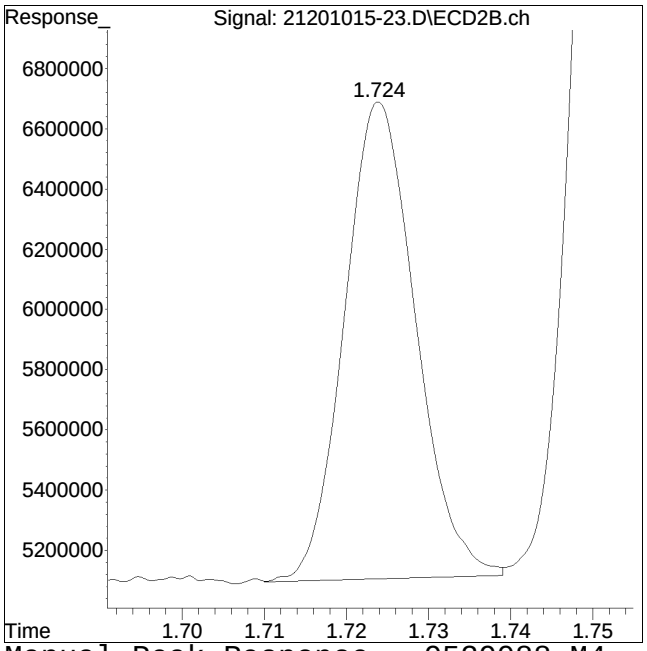
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-23.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:50 pm Instrument : Pest 21
Sample : il12154,42e,,10133 Quant Date : 11/11/2020 1:24 pm

Compound #67: 1221-2 #2



Original Peak Response = 11441687



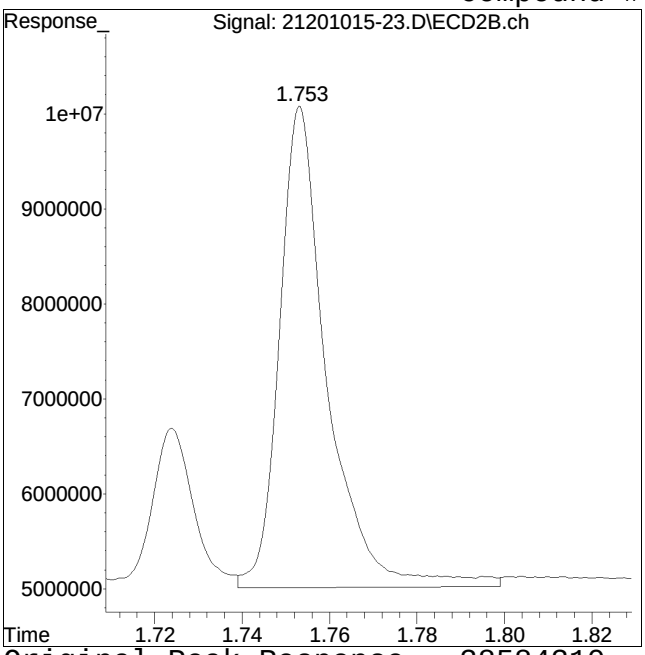
Manual Peak Response = 9529088 M4

M4 = Poor automated baseline construction.

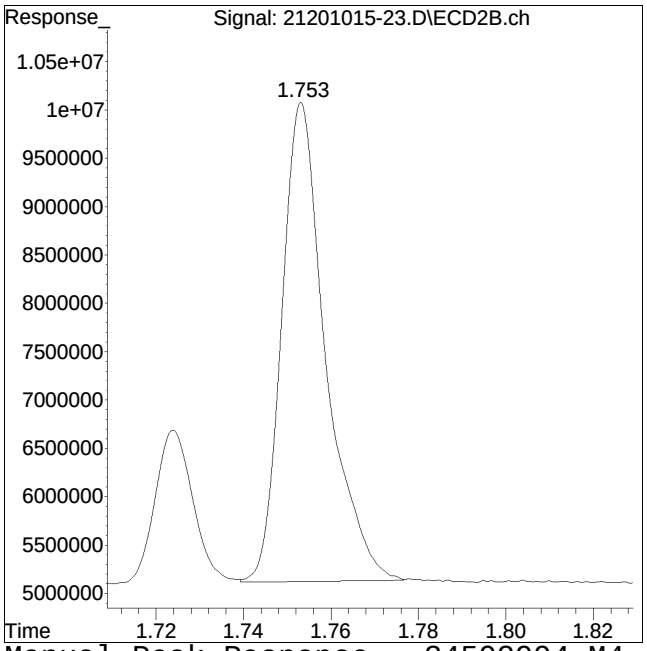
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-23.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:50 pm Instrument : Pest 21
Sample : il12154,42e,,10133 Quant Date : 11/11/2020 1:24 pm

Compound #68: 1221-3 #2



Original Peak Response = 38584310



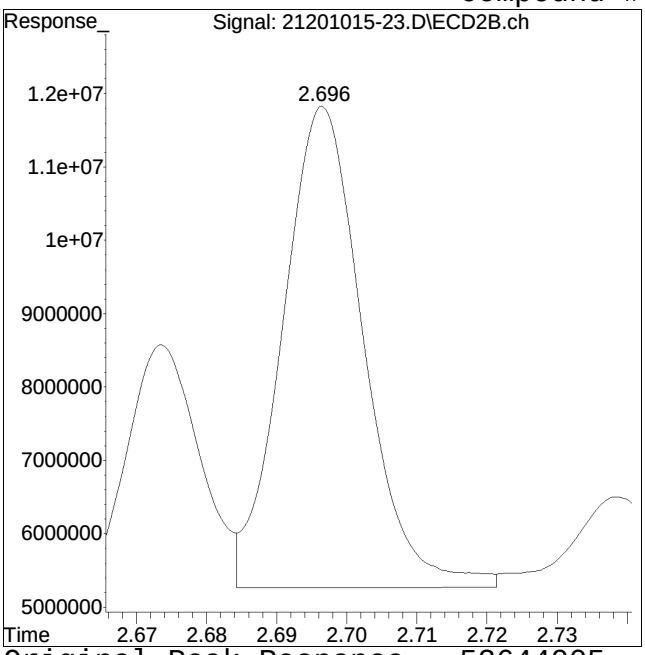
Manual Peak Response = 34592994 M4

M4 = Poor automated baseline construction.

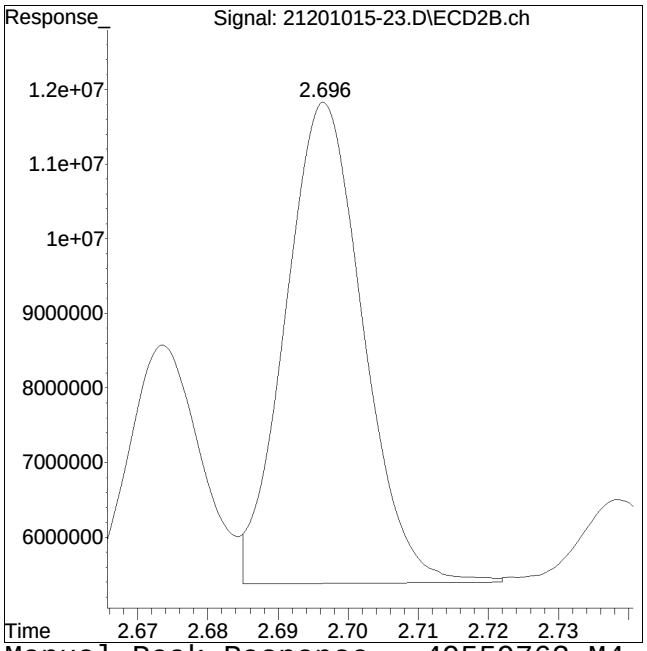
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-23.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:50 pm Instrument : Pest 21
Sample : il12154,42e,,10133 Quant Date : 11/11/2020 1:24 pm

Compound #69: 1254-1 #2



Original Peak Response = 52644005



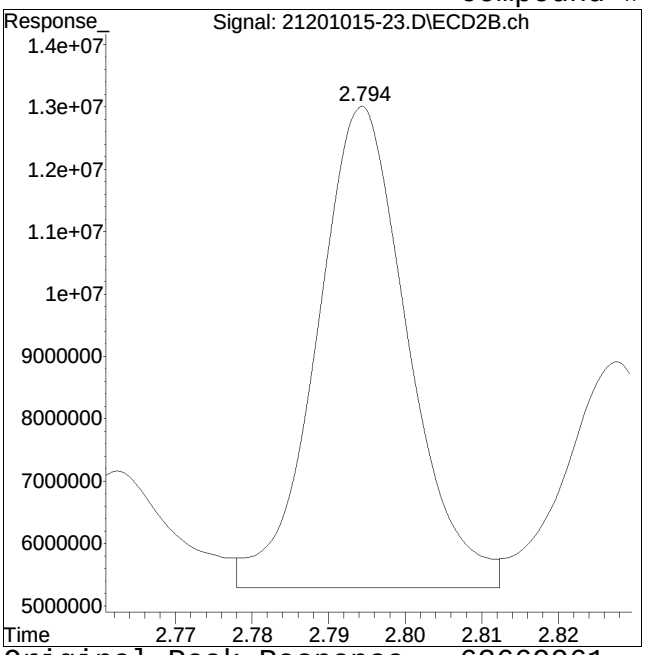
Manual Peak Response = 49559762 M4

M4 = Poor automated baseline construction.

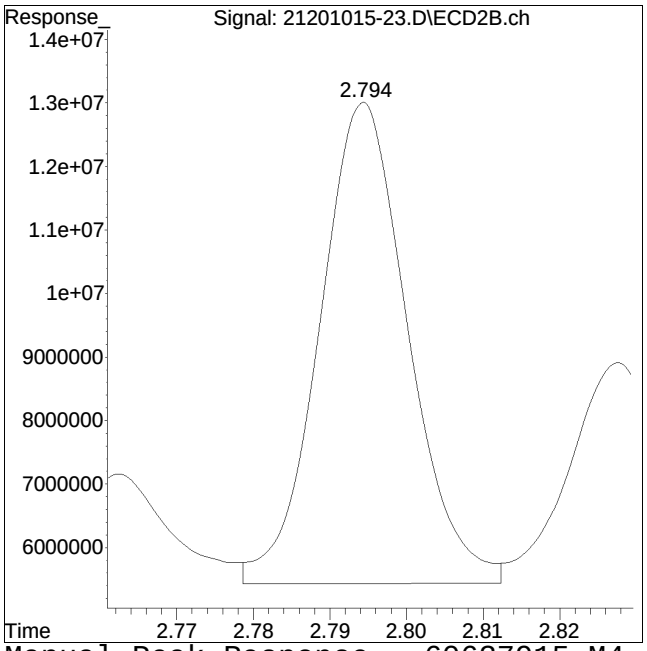
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-23.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:50 pm Instrument : Pest 21
Sample : il12154,42e,,10133 Quant Date : 11/11/2020 1:24 pm

Compound #70: 1254-2 #2



Original Peak Response = 63669961



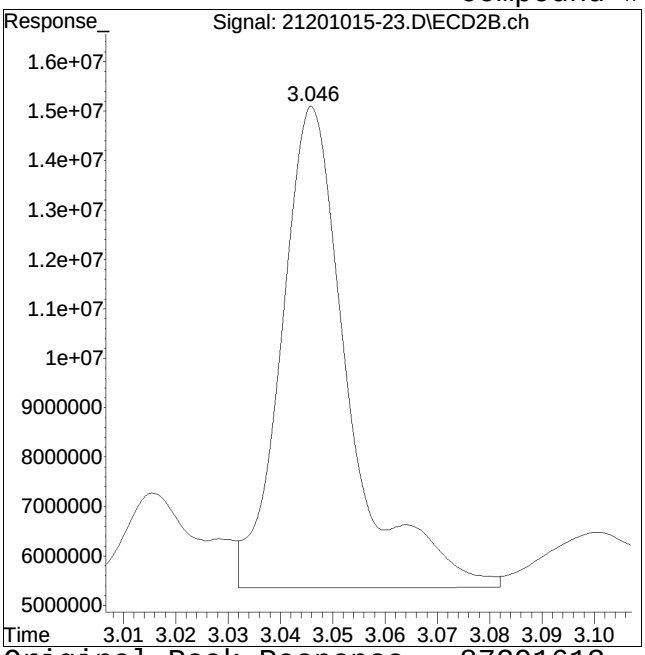
Manual Peak Response = 60637915 M4

M4 = Poor automated baseline construction.

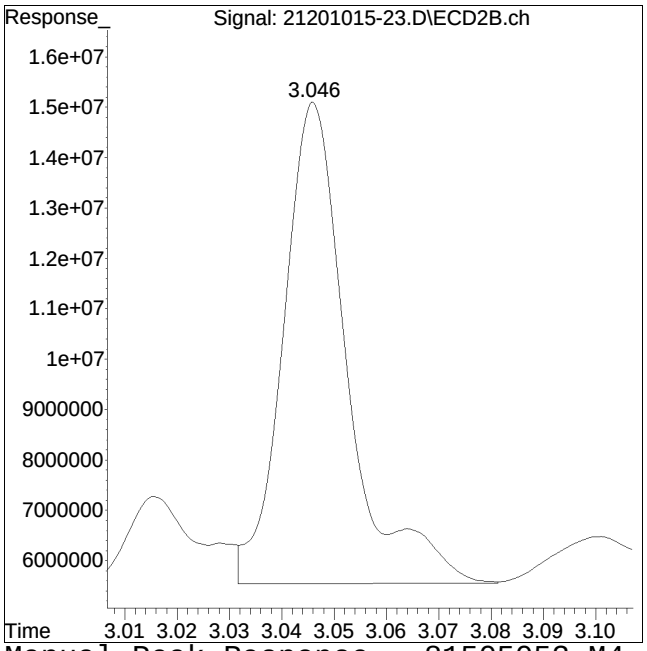
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-23.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:50 pm Instrument : Pest 21
Sample : il12154,42e,,10133 Quant Date : 11/11/2020 1:24 pm

Compound #71: 1254-3 #2



Original Peak Response = 87291613



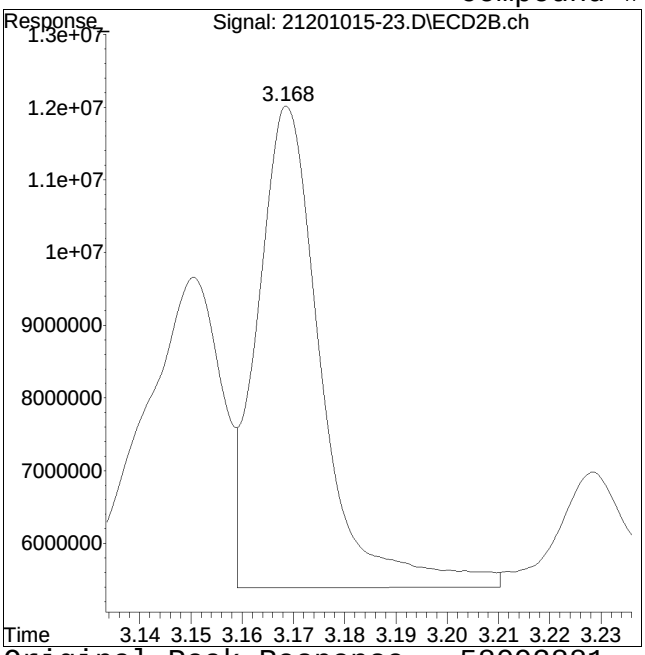
Manual Peak Response = 81505053 M4

M4 = Poor automated baseline construction.

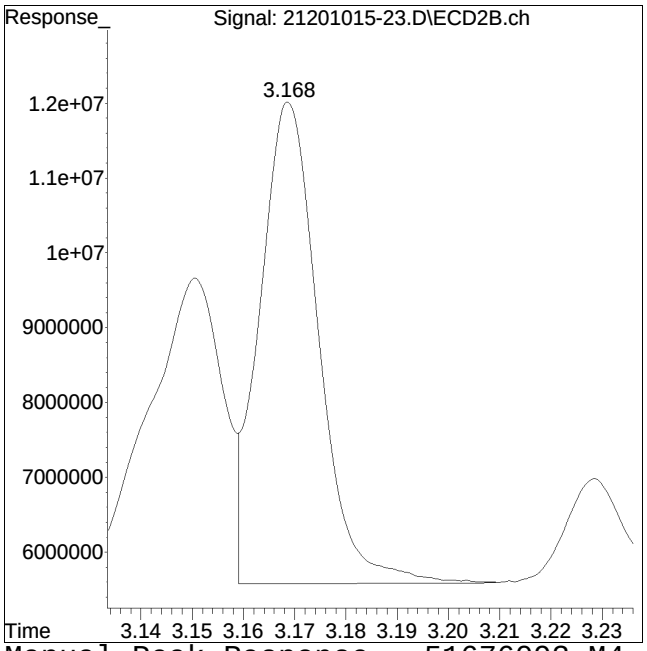
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-23.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:50 pm Instrument : Pest 21
Sample : il12154,42e,,10133 Quant Date : 11/11/2020 1:24 pm

Compound #72: 1254-4 #2



Original Peak Response = 58093881



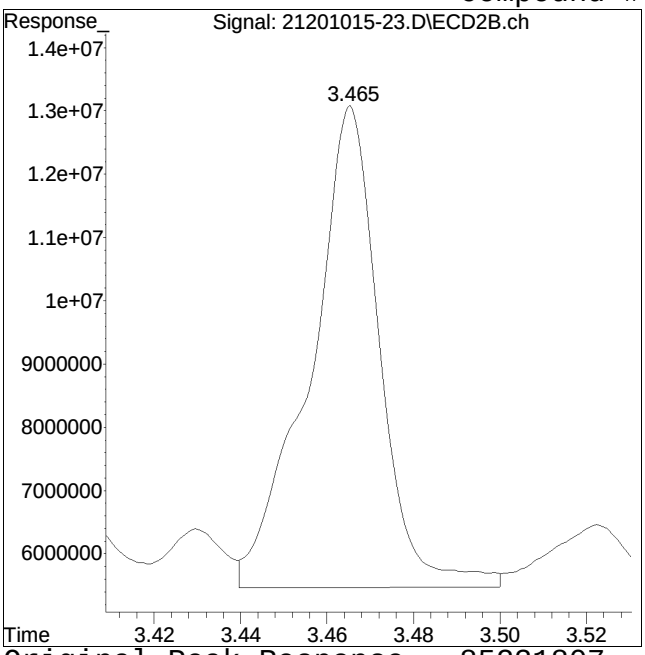
Manual Peak Response = 51676093 M4

M4 = Poor automated baseline construction.

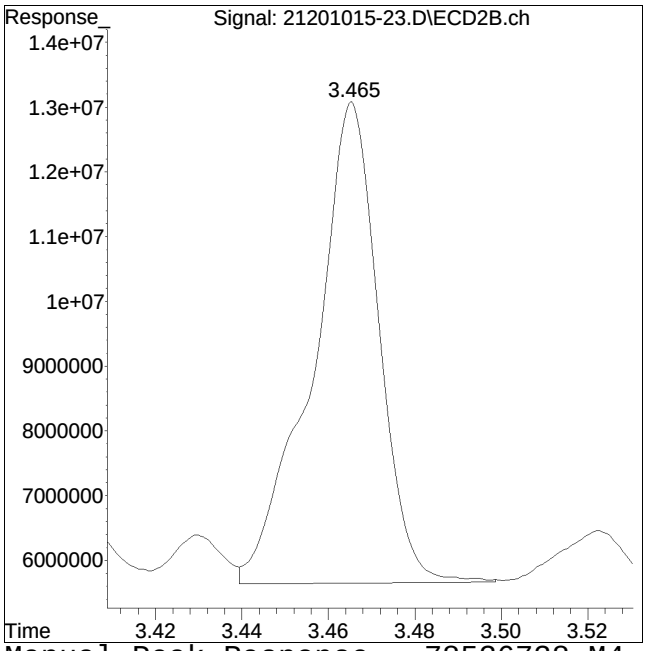
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-23.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:50 pm Instrument : Pest 21
Sample : il12154,42e,,10133 Quant Date : 11/11/2020 1:24 pm

Compound #73: 1254-5 #2



Original Peak Response = 85231807



Manual Peak Response = 78536738 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-24.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:57 pm
Operator : pest21:kb
Sample : il22154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:25:24 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:25:10 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.096	1.163	617.0E6	2540.9E6	250.000	250.000
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	1.432	1.659	21099549	68003819	534.402	524.277M4
16) l3	1221-2	1.492	1.724	12456056	43553791	537.627	534.735M4
17) l3	1221-3	1.509	1.753	48769637	155.5E6	528.244	525.127M4

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-24.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:57 pm
Operator : pest21:kb
Sample : il22154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:25:24 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:25:10 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
	Sum 1221-1			82325243	267.1E6	1600.272	1584.139	
Average	1221-1					533.424	528.046	
18) l4	1254-1	2.294	2.697	61693825	225.3E6	519.347	525.512	
19) l4	1254-2	2.420	2.795	107.2E6	256.7E6	517.889	520.348	
20) l4	1254-3	2.623	3.046	103.9E6	377.9E6	513.101	518.684	
21) l4	1254-4	2.766	3.169	79079883	254.9E6	512.065	532.395	
22) l4	1254-5	3.008	3.465	112.6E6	365.7E6	511.428	519.512	
	Sum 1254-1			464.4E6	1480.5E6	N.D.	N.D.	D
Average	1254-1					514.766	523.290	
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d	
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d	
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d	
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d	
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1242-1			0	0	N.D.	N.D.	
Average	1242-1					0.000	0.000	
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d	
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d	
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.	
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d	
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1268-1			0	0	N.D.	N.D.	
Average	1268-1					0.000	0.000	
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d	
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-24.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:57 pm
Operator : pest21:kb
Sample : il22154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:25:24 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:25:10 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

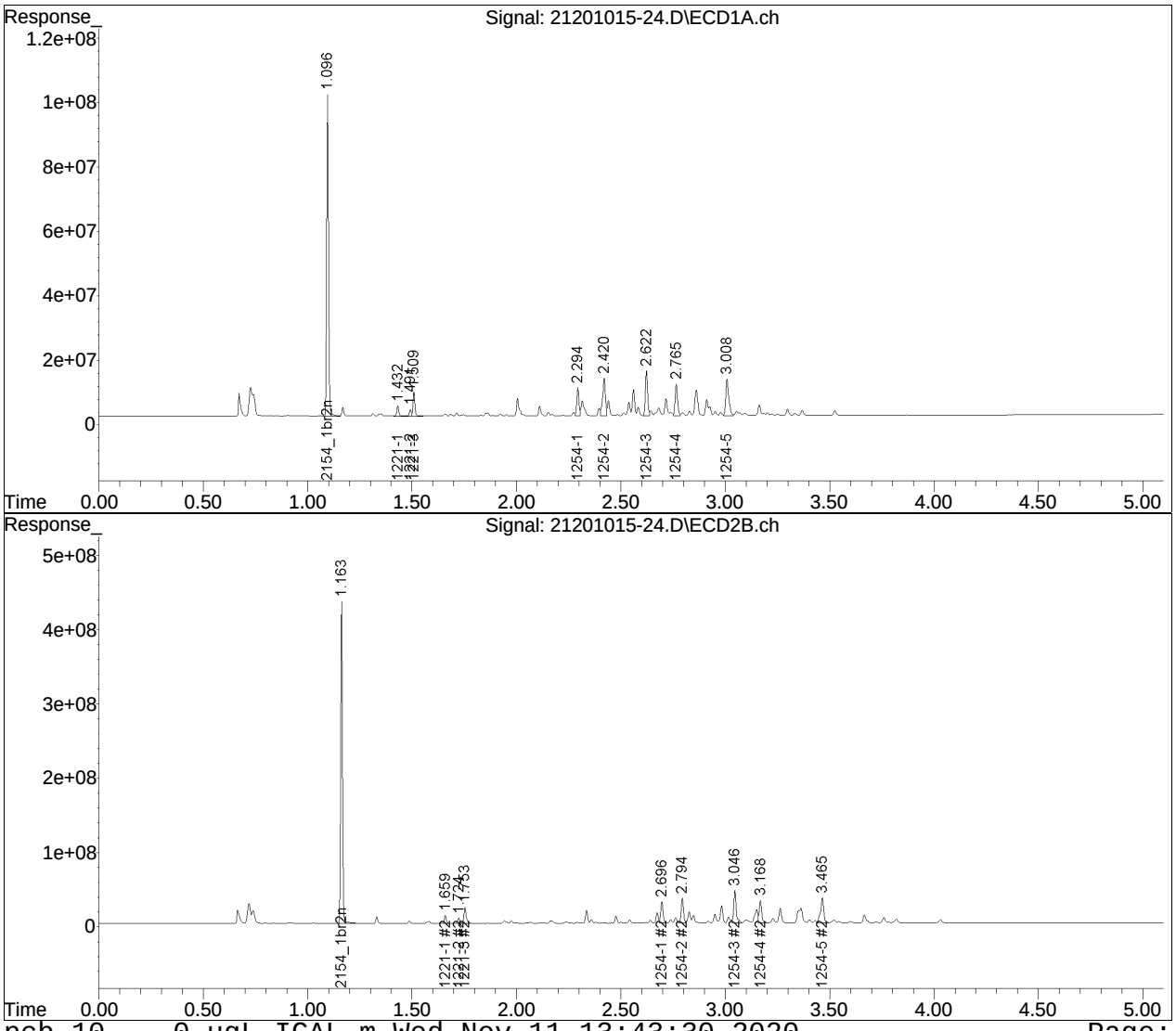
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-24.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 03:57 pm
Operator : pest21:kb
Sample : il22154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:25:24 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:25:10 2020
Response via : Initial Calibration
Integrator: ChemStation

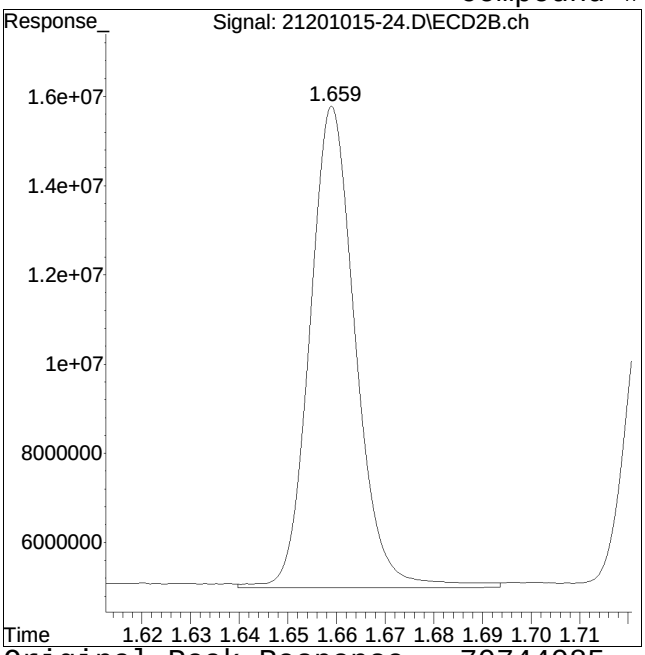
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



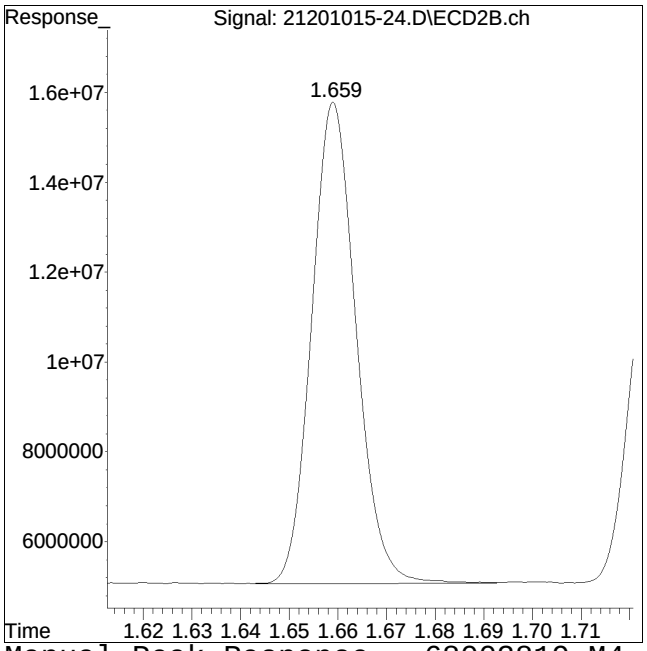
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-24.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:57 pm Instrument : Pest 21
Sample : il22154,42e,,10133 Quant Date : 11/11/2020 1:25 pm

Compound #66: 1221-1 #2



Original Peak Response = 70744085



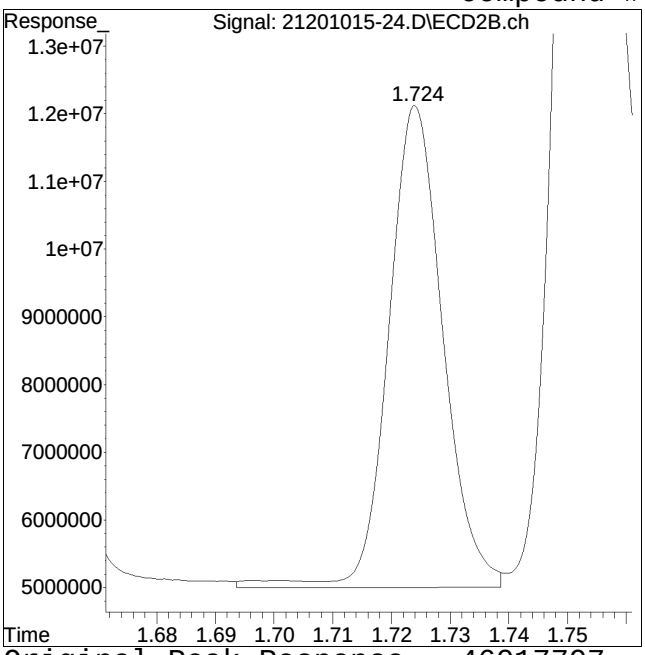
Manual Peak Response = 68003819 M4

M4 = Poor automated baseline construction.

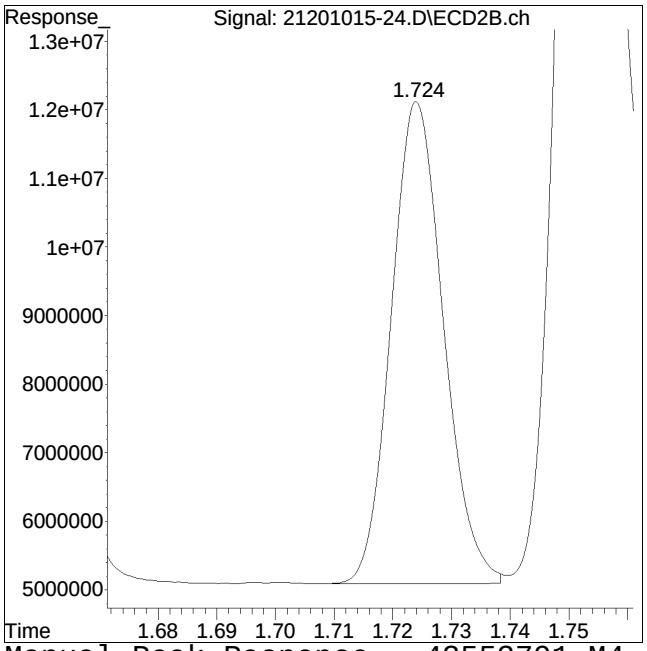
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-24.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:57 pm Instrument : Pest 21
Sample : il22154,42e,,10133 Quant Date : 11/11/2020 1:25 pm

Compound #67: 1221-2 #2



Original Peak Response = 46017797



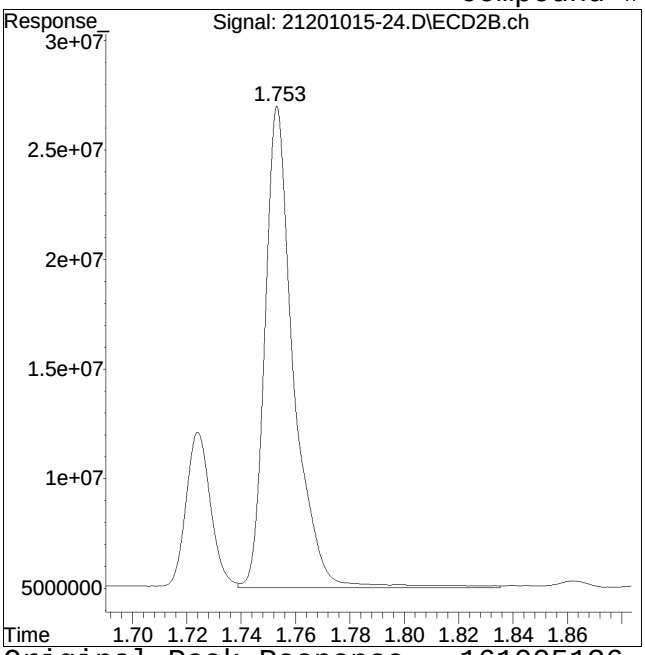
Manual Peak Response = 43553791 M4

M4 = Poor automated baseline construction.

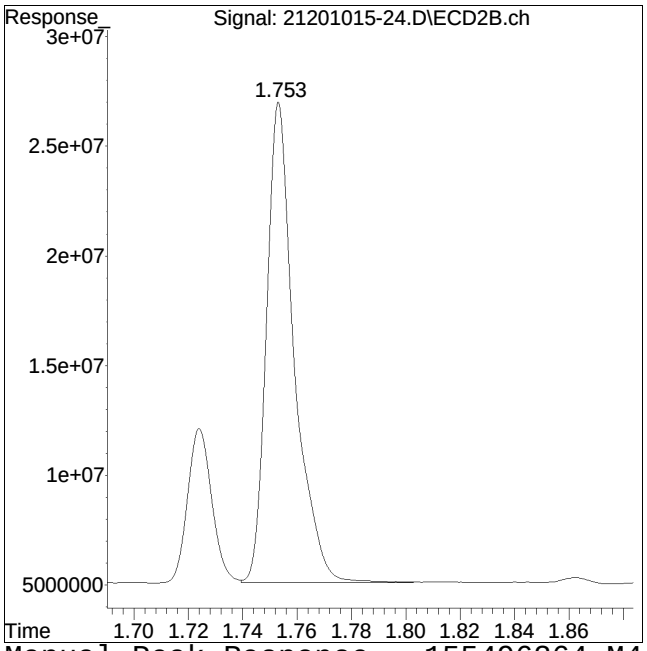
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-24.D Operator : pest21:kb
Date Inj'd : 10/15/2020 3:57 pm Instrument : Pest 21
Sample : il22154,42e,,10133 Quant Date : 11/11/2020 1:25 pm

Compound #68: 1221-3 #2



Original Peak Response = 161005136



Manual Peak Response = 155496264 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-25.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:04 pm
Operator : pest21:kb
Sample : il32154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:25:49 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:25:36 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.095	1.162	595.4E6	2430.0E6	250.000	250.000
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	1.432	1.659	39445129	130.3E6	1035.298	1050.017
16) l3	1221-2	1.492	1.724	23302516	82735813	1042.271	1062.146
17) l3	1221-3	1.509	1.753	91942579	296.3E6	1032.000	1046.143

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-25.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:04 pm
Operator : pest21:kb
Sample : il32154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:25:49 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:25:36 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
Sum	1221-1			154.7E6	509.2E6	3109.569	3158.306	
Average	1221-1					1036.523	1052.769	
18) l4	1254-1	2.294	2.696	117.0E6	417.5E6	1021.076	1018.478	
19) l4	1254-2	2.420	2.794	203.5E6	473.0E6	1018.668	1002.519	
20) l4	1254-3	2.623	3.046	199.6E6	709.1E6	1021.596	1017.509	
21) l4	1254-4	2.765	3.168	151.5E6	475.7E6	1016.678	1039.144	
22) l4	1254-5	3.008	3.465	215.7E6	687.9E6	1015.571	1021.731	
Sum	1254-1			887.4E6	2763.3E6	N.D.	N.D.	D
Average	1254-1					1018.718	1019.876	
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d	
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d	
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d	
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d	
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1242-1			0	0	N.D.	N.D.	
Average	1242-1					0.000	0.000	
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d	
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d	
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d	
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d	
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1268-1			0	0	N.D.	N.D.	
Average	1268-1					0.000	0.000	
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d	
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1248-1			0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-25.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:04 pm
Operator : pest21:kb
Sample : il32154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:25:49 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:25:36 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

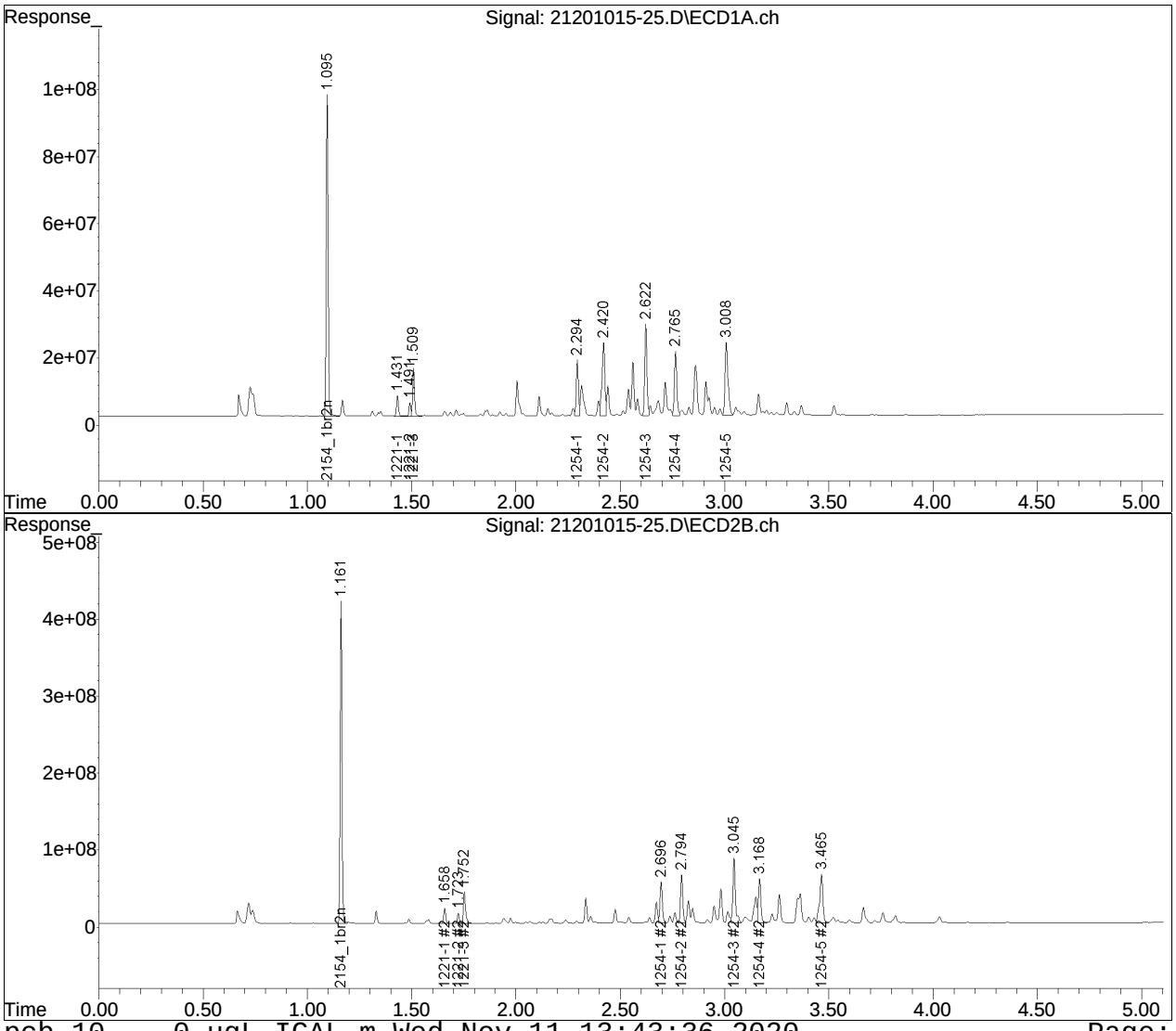
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-25.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:04 pm
Operator : pest21:kb
Sample : il32154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:25:49 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:25:36 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest21\data\2020\212010	QMethod	: P21_pcb_10_15_20_ugL_ICA
Data File	: 21201015-25.D	Operator	: pest21:kb
Date Inj'd	: 10/15/2020 4:04 pm	Instrument	: Pest 21
Sample	: il32154,42e,,10133	Quant Date	: 11/11/2020 1:25 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-26.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:11 pm
Operator : pest21:kb
Sample : il42154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:26:19 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:26:05 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.096	1.163	629.3E6	2570.4E6	250.000	250.000
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount	500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
Spiked Amount	500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1016-1			0	0	N.D.	N.D.
Average	1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-1	1.432	1.659	94086711	306.9E6	2336.277	2339.207
16) l3	1221-2	1.492	1.724	55236929	192.2E6	2337.390	2332.495
17) l3	1221-3	1.509	1.753	220.5E6	699.7E6	2341.435	2335.793

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-26.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:11 pm
Operator : pest21:kb
Sample : il42154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:26:19 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:26:05 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
Sum	1221-1			369.8E6	1198.8E6	7015.103	7007.495	
Average	1221-1					2338.368	2335.832	
18) l4	1254-1	2.294	2.697	285.5E6	1008.4E6	2356.258	2325.422	
19) l4	1254-2	2.420	2.795	497.4E6	1140.8E6	2355.340	2285.801	
20) l4	1254-3	2.623	3.046	493.9E6	1738.1E6	2391.990	2358.016	
21) l4	1254-4	2.765	3.168	375.8E6	1150.7E6	2385.788	2376.155	
22) l4	1254-5	3.008	3.465	532.6E6	1668.3E6	2372.114	2342.567	
Sum	1254-1			2185.2E6	6706.3E6	N.D.	N.D.	D
Average	1254-1					2372.298	2337.592	
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d	
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d	
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d	
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d	
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1242-1			0	0	N.D.	N.D.	
Average	1242-1					0.000	0.000	
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d	
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d	
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d	
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d	
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1268-1			0	0	N.D.	N.D.	
Average	1268-1					0.000	0.000	
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d	
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	1248-1			0	0	N.D.	N.D.	

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-26.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:11 pm
Operator : pest21:kb
Sample : il42154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:26:19 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:26:05 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

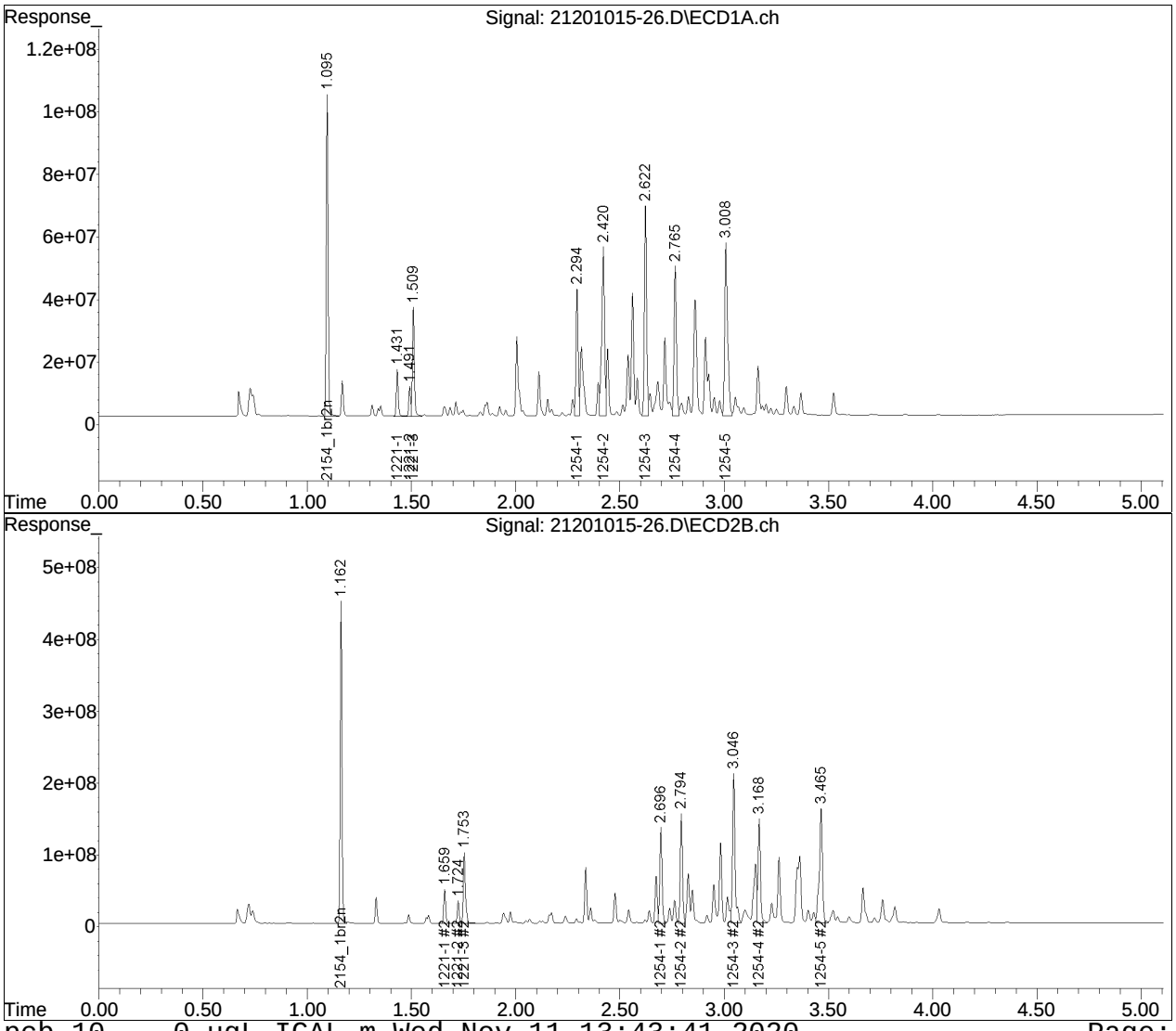
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-26.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:11 pm
Operator : pest21:kb
Sample : il42154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:26:19 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:26:05 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest21\data\2020\212010	QMethod	: P21_pcb_10_15_20_ugL_ICA
Data File	: 21201015-26.D	Operator	: pest21:kb
Date Inj'd	: 10/15/2020 4:11 pm	Instrument	: Pest 21
Sample	: il42154,42e,,10133	Quant Date	: 11/11/2020 1:26 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-27.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:18 pm
Operator : pest21:kb
Sample : il52154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:26:45 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:26:32 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.096	1.163	635.4E6	2576.4E6	250.000	250.000
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 500.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	1.432	1.659	185.9E6	595.6E6	4571.706	4528.469
16) l3	1221-2	1.492	1.724	108.0E6	366.0E6	4527.538	4432.100
17) l3	1221-3	1.509	1.753	431.6E6	1350.3E6	4539.747	4497.320

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-27.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:18 pm
Operator : pest21:kb
Sample : il52154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:26:45 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:26:32 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
	Sum 1221-1			725.5E6	2311.9E6	13638.991	13457.889	
Average	1221-1					4546.330	4485.963	
18) l4	1254-1	2.294	2.697	564.7E6	1991.4E6	4616.209	4581.614	
19) l4	1254-2	2.420	2.795	984.3E6	2253.7E6	4616.295	4505.331	
20) l4	1254-3	2.623	3.046	985.4E6	3436.0E6	4726.956	4650.578	
21) l4	1254-4	2.765	3.168	750.4E6	2192.0E6	4718.231	4516.070	
22) l4	1254-5	3.008	3.465	1063.2E6	3329.1E6	4690.379	4663.664	
	Sum 1254-1			4347.9E6	13202.1E6	N.D.	N.D.	D
Average	1254-1					4673.614	4583.451	
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d	
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d	
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d	
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d	
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1242-1			0	0	N.D.	N.D.	
Average	1242-1					0.000	0.000	
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d	
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d	
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d	
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d	
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1268-1			0	0	N.D.	N.D.	
Average	1268-1					0.000	0.000	
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d	
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-27.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:18 pm
Operator : pest21:kb
Sample : il52154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:26:45 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:26:32 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

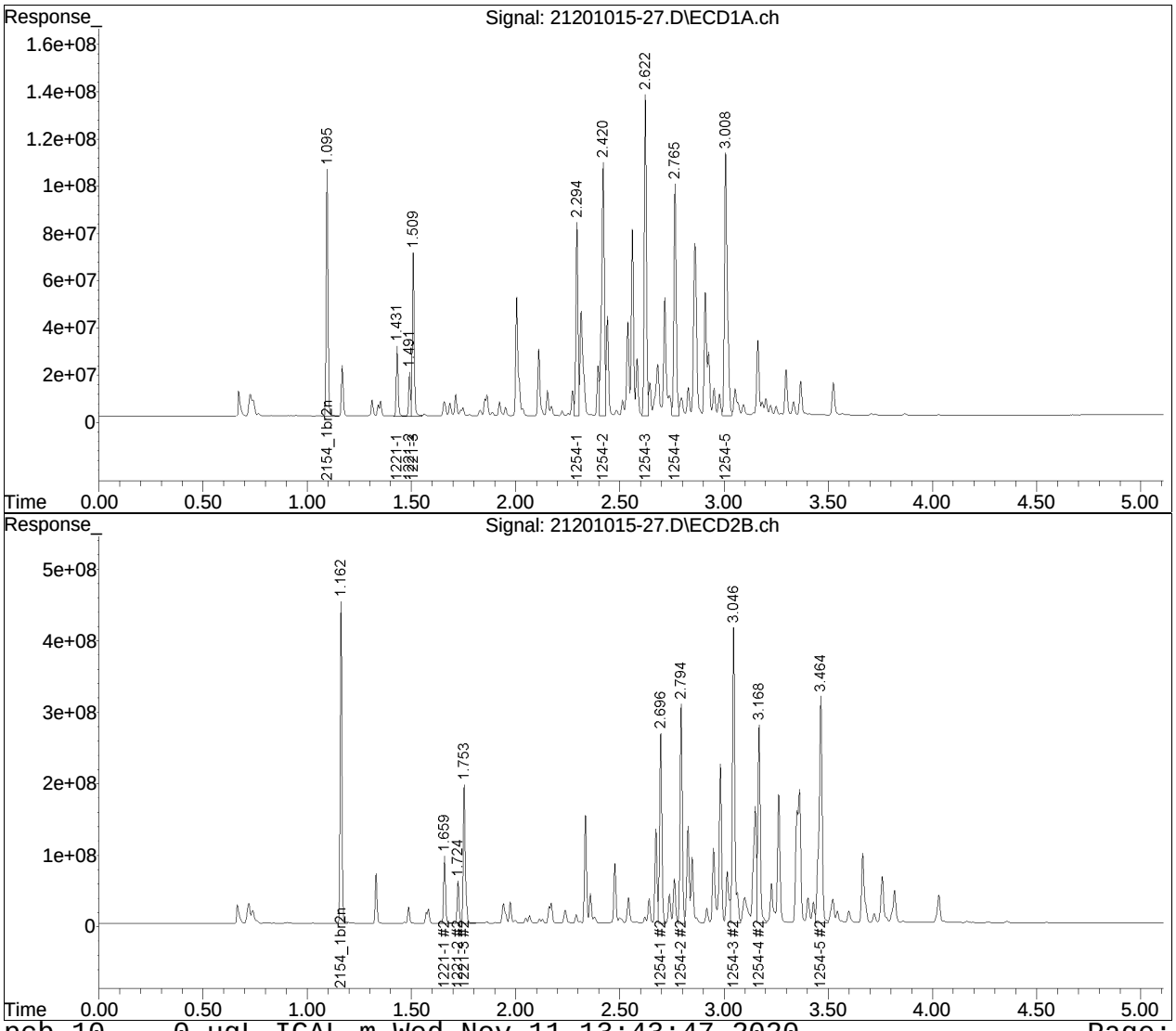
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-27.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:18 pm
Operator : pest21:kb
Sample : il52154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:26:45 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:26:32 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest21\data\2020\212010	QMethod	: P21_pcb_10_15_20_ugL_ICA
Data File	: 21201015-27.D	Operator	: pest21:kb
Date Inj'd	: 10/15/2020 4:18 pm	Instrument	: Pest 21
Sample	: il52154,42e,,10133	Quant Date	: 11/11/2020 1:26 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-28.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:25 pm
Operator : pest21:kb
Sample : il62154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:27:07 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:26:53 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.096	1.163	605.8E6	2459.1E6	250.000	250.000
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	500.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	1.432	1.659	362.4E6	1149.8E6	9348.459	9159.025
16) l3	1221-2	1.491	1.724	209.3E6	695.5E6	9198.746	8823.571
17) l3	1221-3	1.509	1.754	836.1E6	2593.3E6	9222.720	9049.074

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-28.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:25 pm
Operator : pest21:kb
Sample : il62154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:27:07 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:26:53 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
	Sum 1221-1			1407.7E6	4438.5E6	27769.926	27031.670	
Average	1221-1					9256.642	9010.557	
18) l4	1254-1	2.294	2.696	1106.9E6	3863.1E6	9490.267	9311.706	
19) l4	1254-2	2.420	2.794	1931.1E6	4372.4E6	9498.825	9157.661	
20) l4	1254-3	2.622	3.046	1947.2E6	6744.9E6	9796.213	9564.409	
21) l4	1254-4	2.765	3.168	1485.1E6	4475.2E6	9794.034	9659.580	
22) l4	1254-5	3.008	3.465	2105.5E6	6521.1E6	9742.178	9571.016	
	Sum 1254-1			8575.9E6	25976.6E6	N.D.	N.D.	D
Average	1254-1					9664.303	9452.874	
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d	
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d	
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d	
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d	
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1242-1			0	0	N.D.	N.D.	
Average	1242-1					0.000	0.000	
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d	
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d	
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d	
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d	
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1268-1			0	0	N.D.	N.D.	
Average	1268-1					0.000	0.000	
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d	
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d	
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d	
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d	
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum 1248-1			0	0	N.D.	N.D.	

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-28.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:25 pm
Operator : pest21:kb
Sample : il62154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:27:07 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:26:53 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

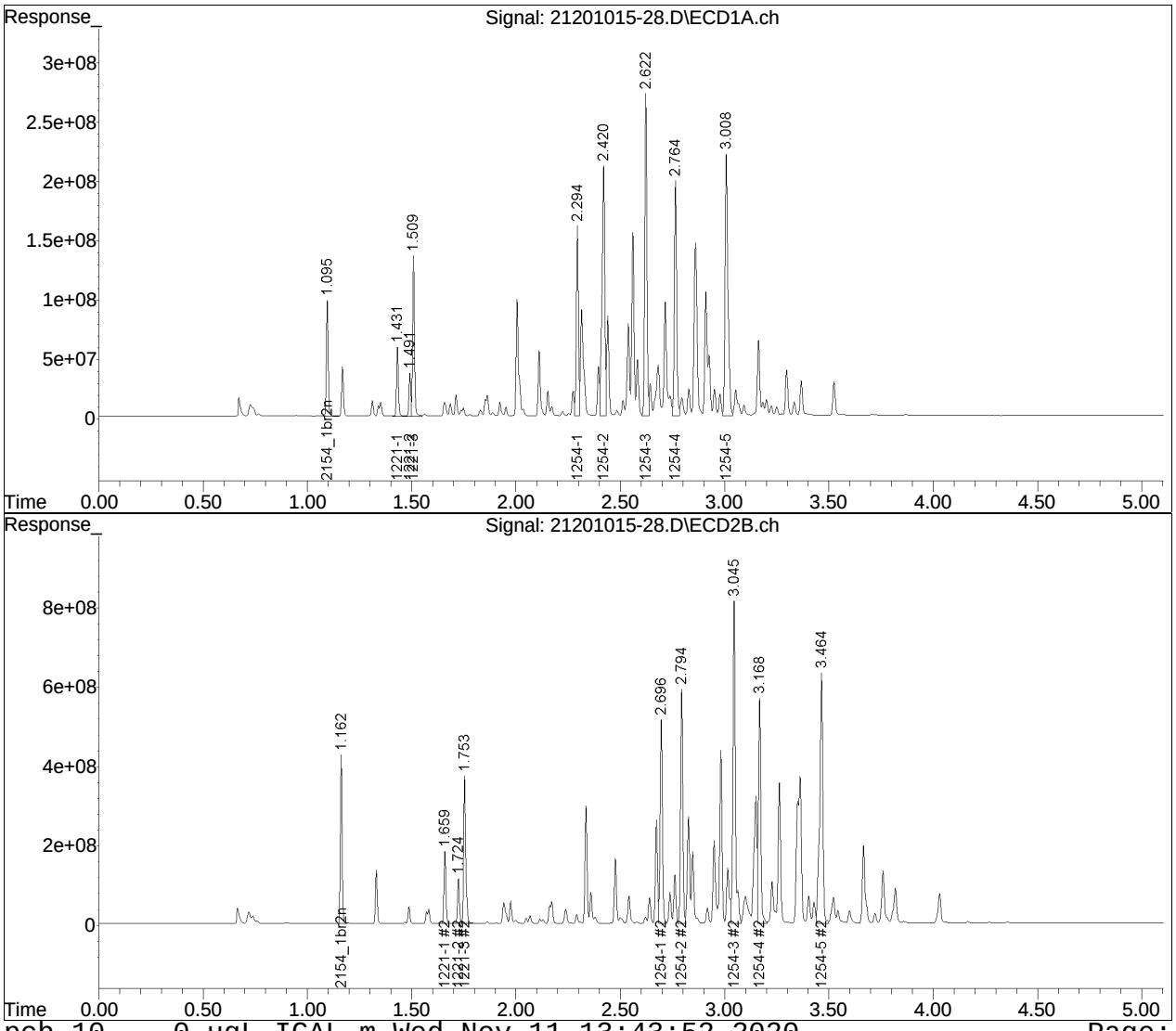
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-28.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:25 pm
Operator : pest21:kb
Sample : il62154,42e,,10133
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:27:07 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:26:53 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest21\data\2020\212010	QMethod	: P21_pcb_10_15_20_ugL_ICA
Data File	: 21201015-28.D	Operator	: pest21:kb
Date Inj'd	: 10/15/2020 4:25 pm	Instrument	: Pest 21
Sample	: il62154,42e,,10133	Quant Date	: 11/11/2020 1:26 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-29.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:32 pm
Operator : pest21:kb
Sample : il11660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:27:32 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:27:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.096	1.163	629.9E6	2574.7E6	250.000	250.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.369	1.536	26648174	91643618	6.600	7.011
	Spiked Amount 500.000	Range 30 - 150		Recovery =		1.32%#	1.40%#
3) s	Decachlorobi	4.137	4.697	42625629	127.6E6	14.141	14.386
	Spiked Amount 500.000	Range 30 - 150		Recovery =		2.83%#	2.88%#
	Target Compounds						
4) l1	1016-1	1.509	1.753	7902070	26470380	114.596M4	118.440M4
5) l1	1016-2	1.657	1.944	16782493	57820391	115.423	120.017M4
6) l1	1016-3	1.863	2.171	31911821	112.0E6	106.979	113.756
7) l1	1016-4	1.923	2.238	13775989	45056004	110.665	116.239
8) l1	1016-5	2.112	2.475	14963502	35953596	114.151	114.886M4
	Sum 1016-1			85335875	277.3E6	561.813	583.337
Average	1016-1					112.363	116.667
9) l2	1260-1	2.716	3.150	20661840	67270804	114.147	112.957M4
10) l2	1260-2	2.859	3.262	30648101	78863617	112.061	112.616M4
11) l2	1260-3	3.201	3.680	19627243	66370233	110.625	112.488M4
12) l2	1260-4	3.368	3.819	40156584	131.7E6	105.121	107.673M4
13) l2	1260-5	3.524	4.029	29754663	92145240	114.102M1	109.824M4
	Sum 1260-1			140.8E6	436.4E6	N.D.	N.D. D
Average	1260-1					111.211	111.112
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-29.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:32 pm
Operator : pest21:kb
Sample : il11660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:27:32 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:27:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-29.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:32 pm
Operator : pest21:kb
Sample : il11660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:27:32 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:27:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

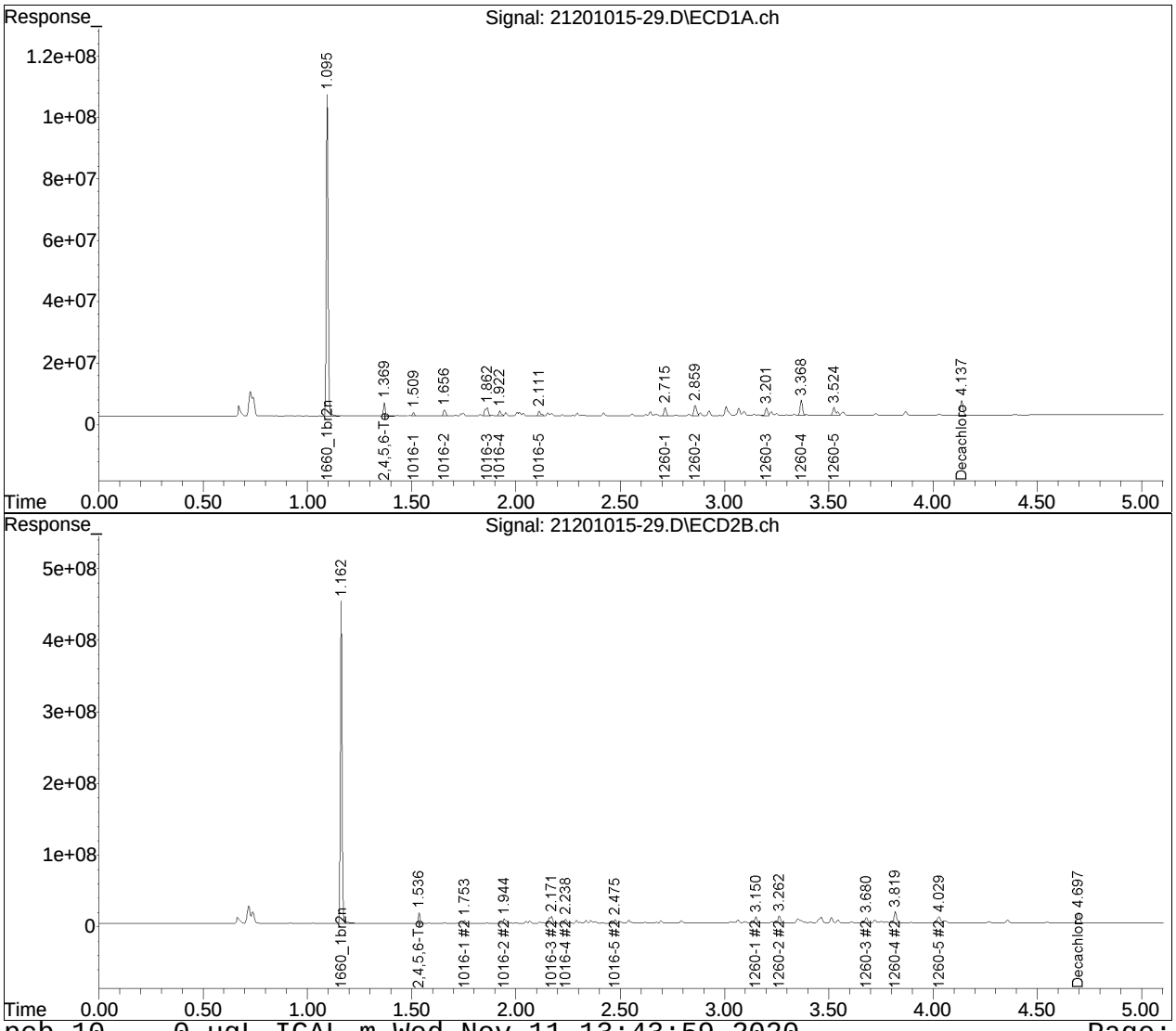
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-29.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:32 pm
Operator : pest21:kb
Sample : il11660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:27:32 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:27:17 2020
Response via : Initial Calibration
Integrator: ChemStation

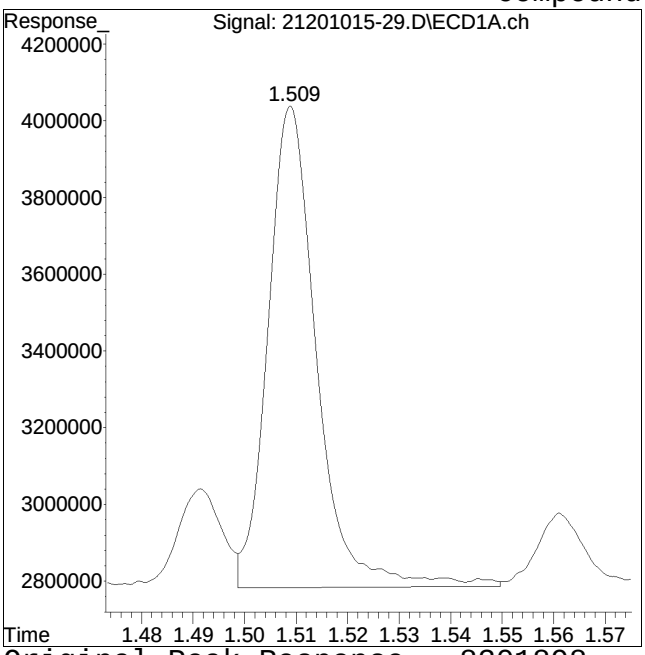
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



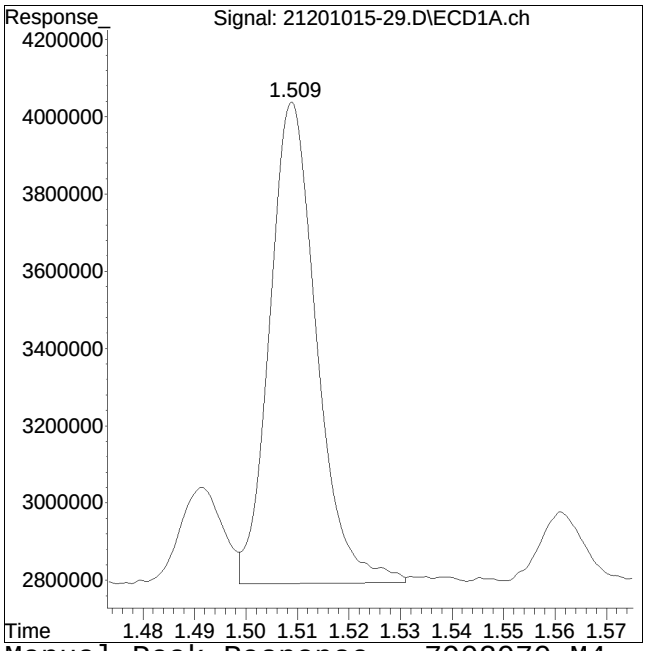
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-29.D Operator : pest21:kb
Date Inj'd : 10/15/2020 4:32 pm Instrument : Pest 21
Sample : il11660,42e,,10132 Quant Date : 11/11/2020 1:27 pm

Compound #4: 1016-1



Original Peak Response = 8301898



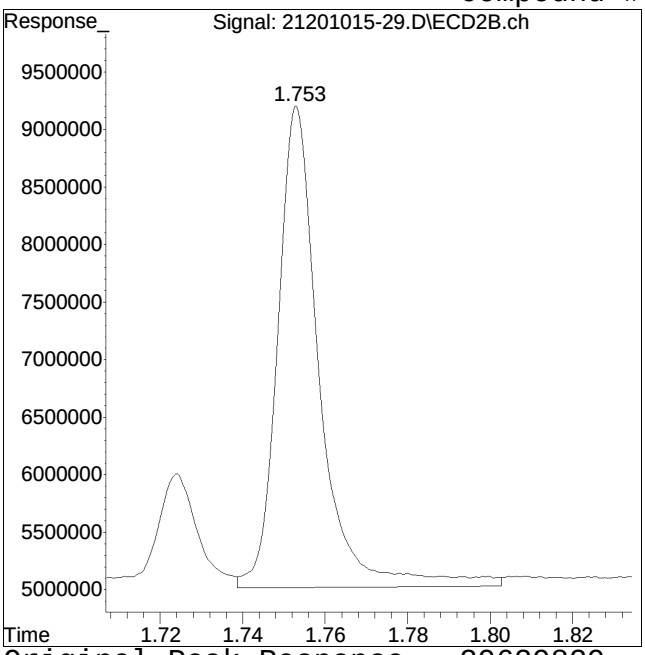
Manual Peak Response = 7902070 M4

M4 = Poor automated baseline construction.

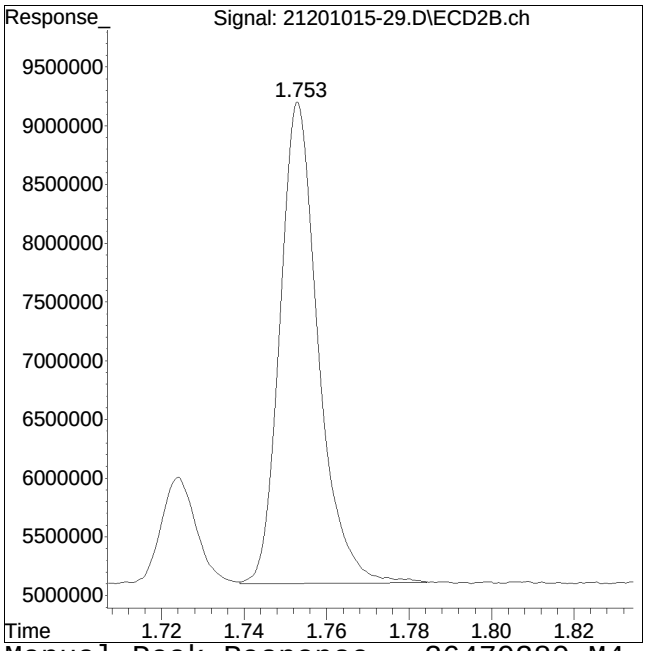
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-29.D Operator : pest21:kb
Date Inj'd : 10/15/2020 4:32 pm Instrument : Pest 21
Sample : il11660,42e,,10132 Quant Date : 11/11/2020 1:27 pm

Compound #55: 1016-1 #2



Original Peak Response = 29629829



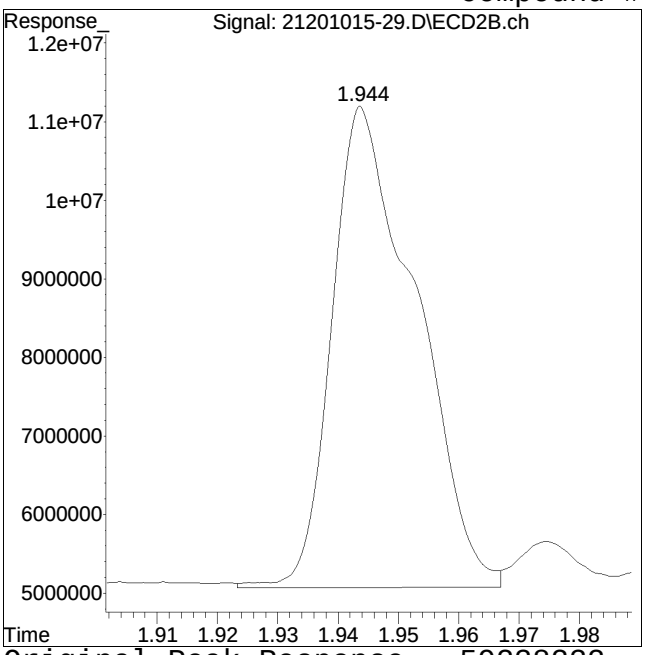
Manual Peak Response = 26470380 M4

M4 = Poor automated baseline construction.

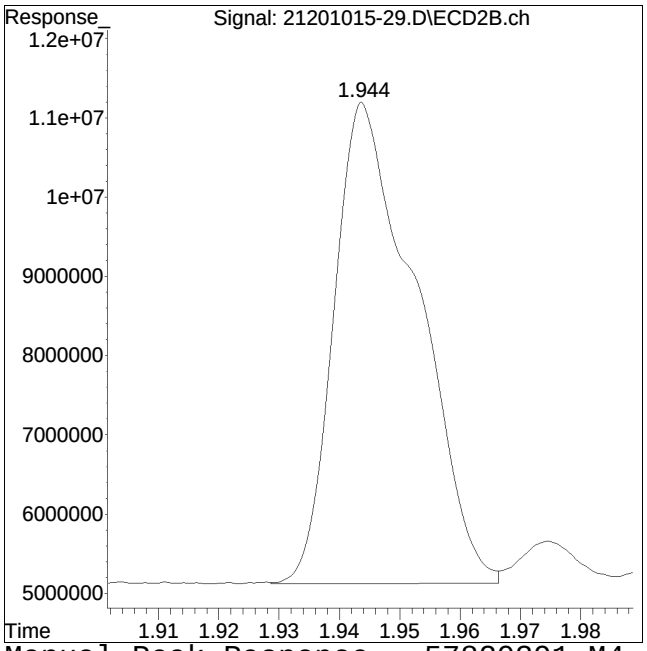
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-29.D Operator : pest21:kb
Date Inj'd : 10/15/2020 4:32 pm Instrument : Pest 21
Sample : il11660,42e,,10132 Quant Date : 11/11/2020 1:27 pm

Compound #56: 1016-2 #2



Original Peak Response = 59238232



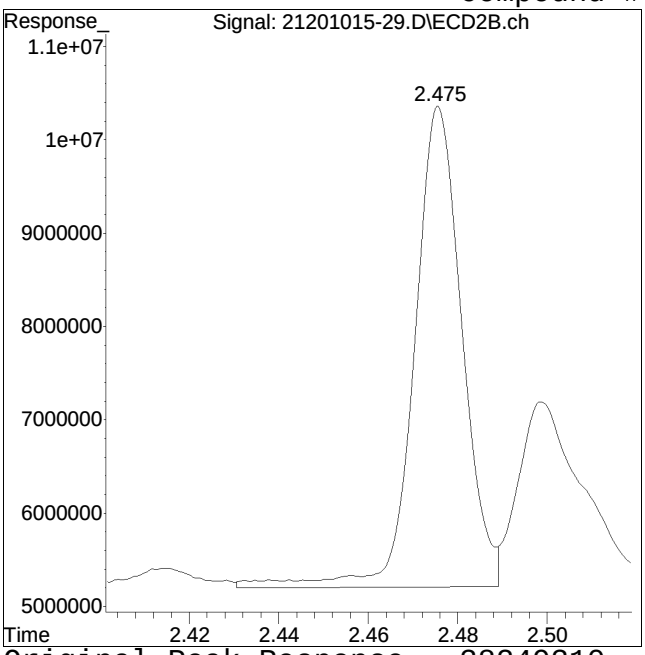
Manual Peak Response = 57820391 M4

M4 = Poor automated baseline construction.

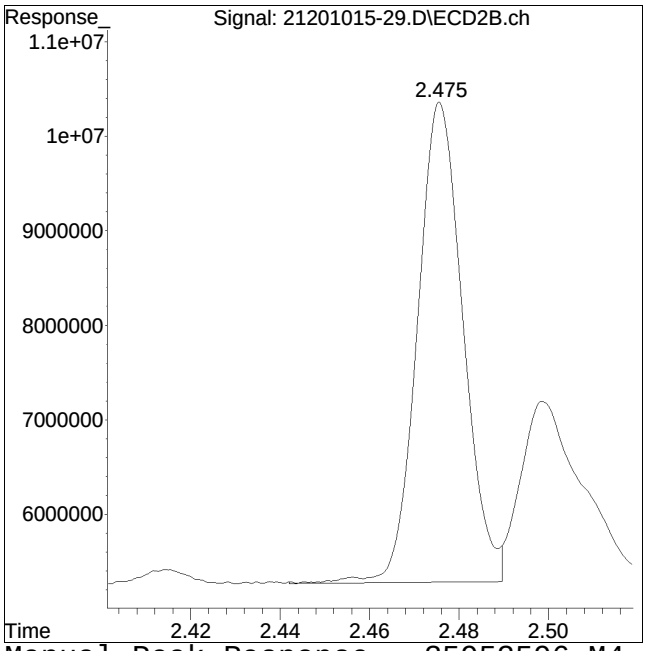
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-29.D Operator : pest21:kb
Date Inj'd : 10/15/2020 4:32 pm Instrument : Pest 21
Sample : il11660,42e,,10132 Quant Date : 11/11/2020 1:27 pm

Compound #59: 1016-5 #2



Original Peak Response = 38249310



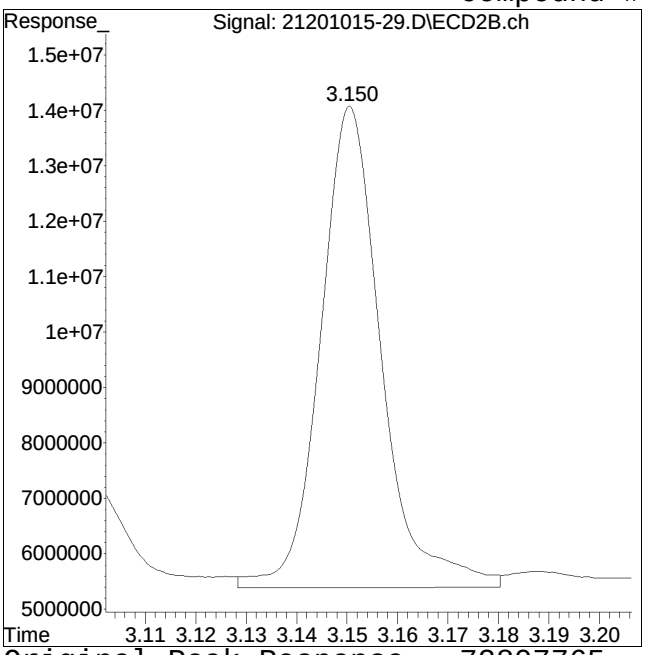
Manual Peak Response = 35953596 M4

M4 = Poor automated baseline construction.

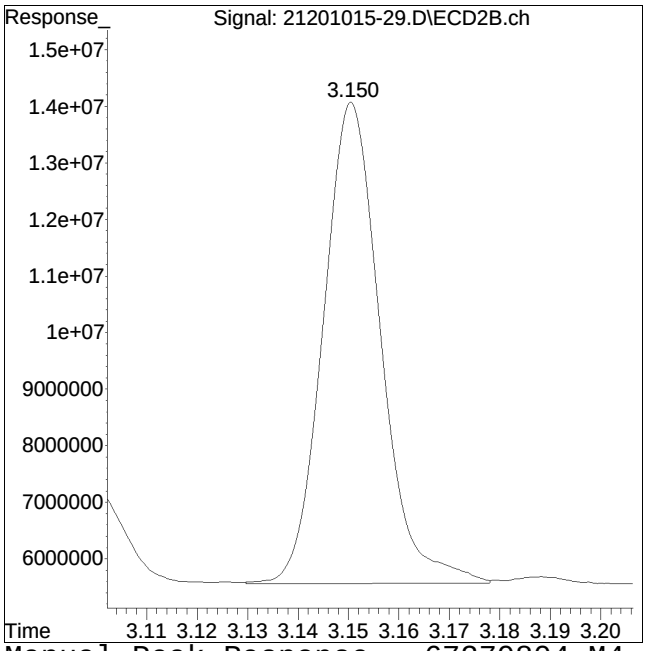
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-29.D Operator : pest21:kb
Date Inj'd : 10/15/2020 4:32 pm Instrument : Pest 21
Sample : il11660,42e,,10132 Quant Date : 11/11/2020 1:27 pm

Compound #60: 1260-1 #2



Original Peak Response = 72807765



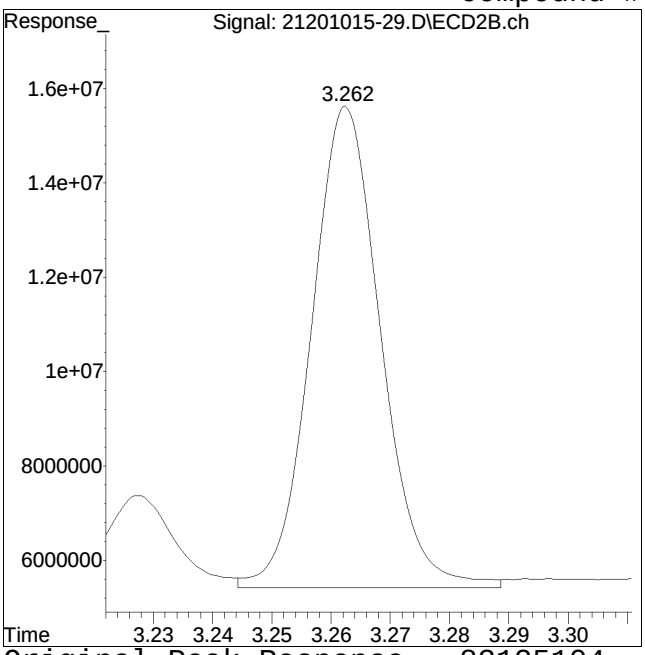
Manual Peak Response = 67270804 M4

M4 = Poor automated baseline construction.

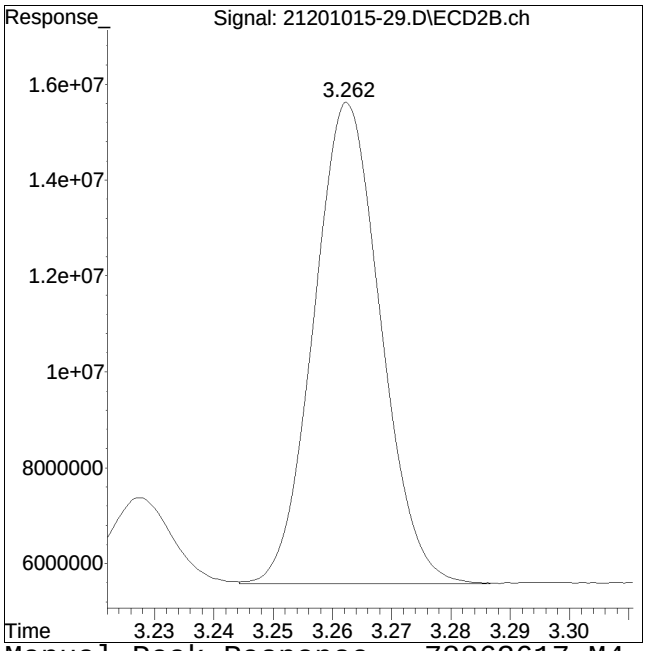
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-29.D Operator : pest21:kb
Date Inj'd : 10/15/2020 4:32 pm Instrument : Pest 21
Sample : il11660,42e,,10132 Quant Date : 11/11/2020 1:27 pm

Compound #61: 1260-2 #2



Original Peak Response = 83125104



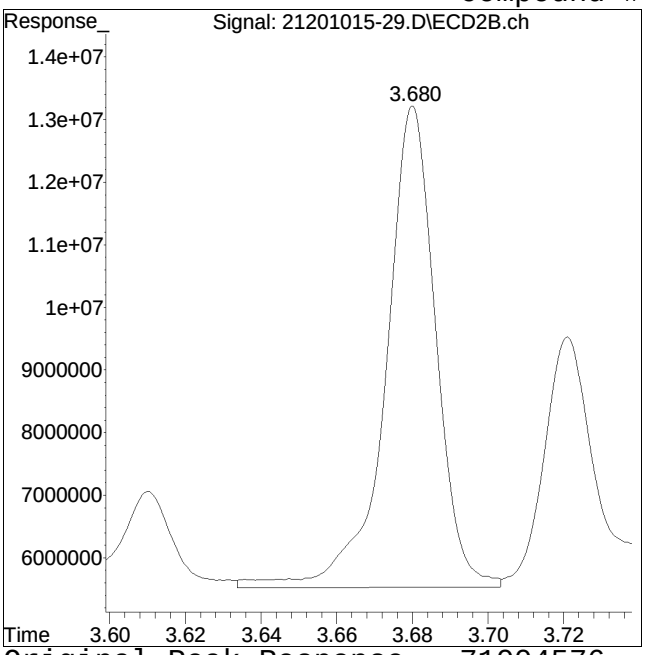
Manual Peak Response = 78863617 M4

M4 = Poor automated baseline construction.

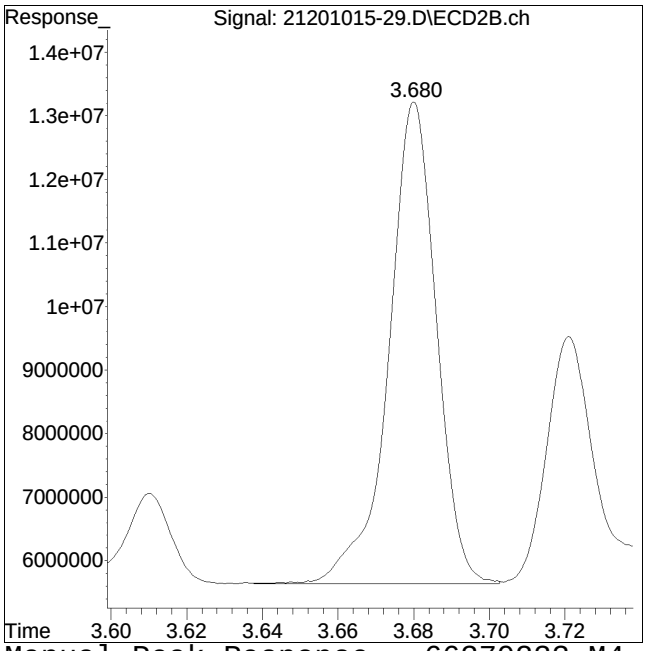
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-29.D Operator : pest21:kb
Date Inj'd : 10/15/2020 4:32 pm Instrument : Pest 21
Sample : il11660,42e,,10132 Quant Date : 11/11/2020 1:27 pm

Compound #62: 1260-3 #2



Original Peak Response = 71004576



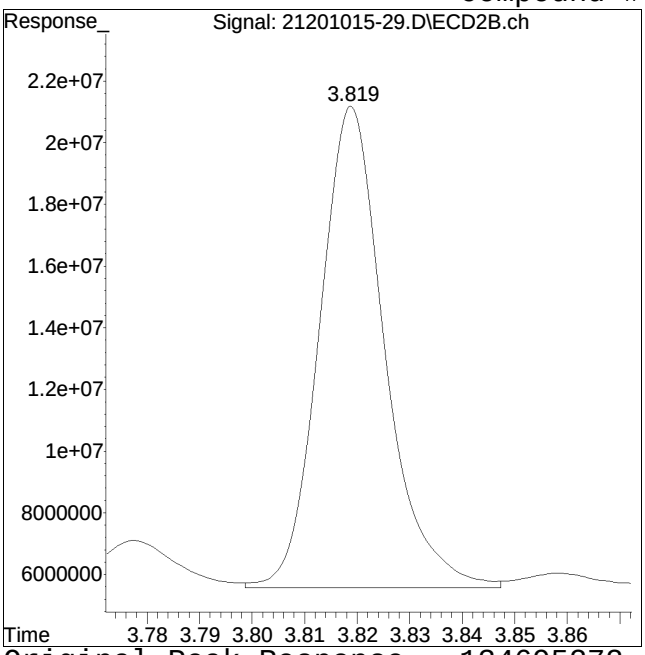
Manual Peak Response = 66370233 M4

M4 = Poor automated baseline construction.

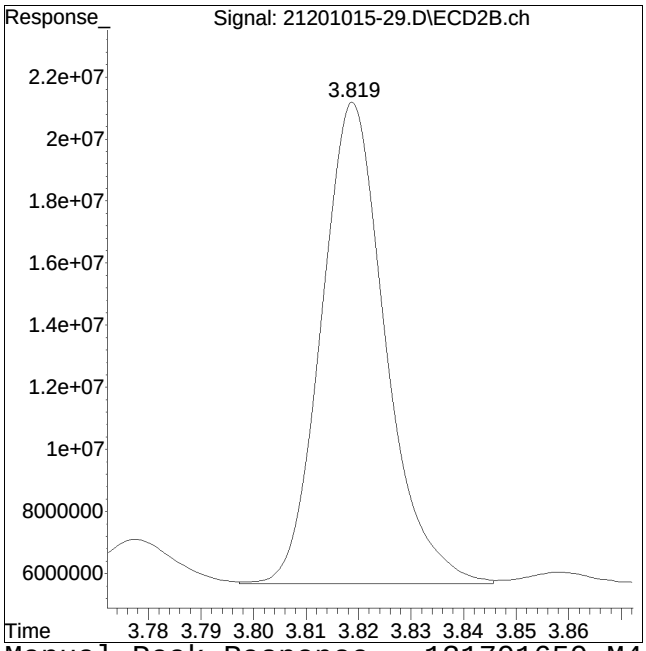
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-29.D Operator : pest21:kb
Date Inj'd : 10/15/2020 4:32 pm Instrument : Pest 21
Sample : il11660,42e,,10132 Quant Date : 11/11/2020 1:27 pm

Compound #63: 1260-4 #2



Original Peak Response = 134695272



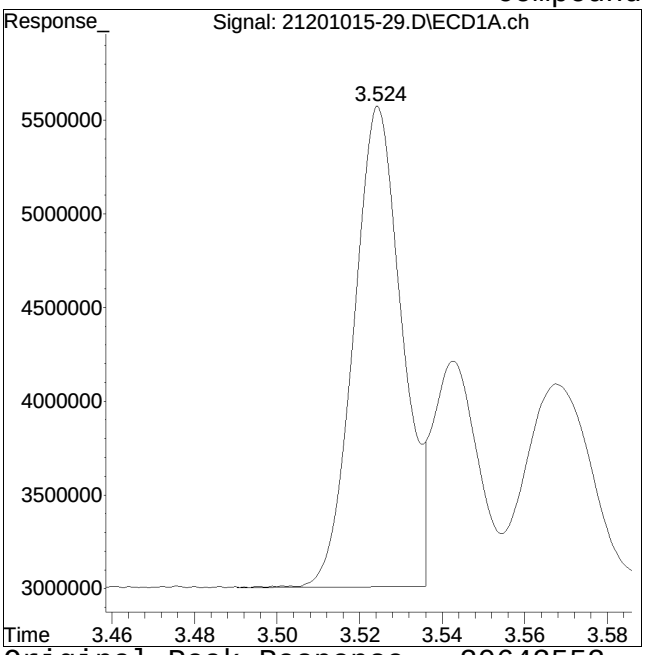
Manual Peak Response = 131701650 M4

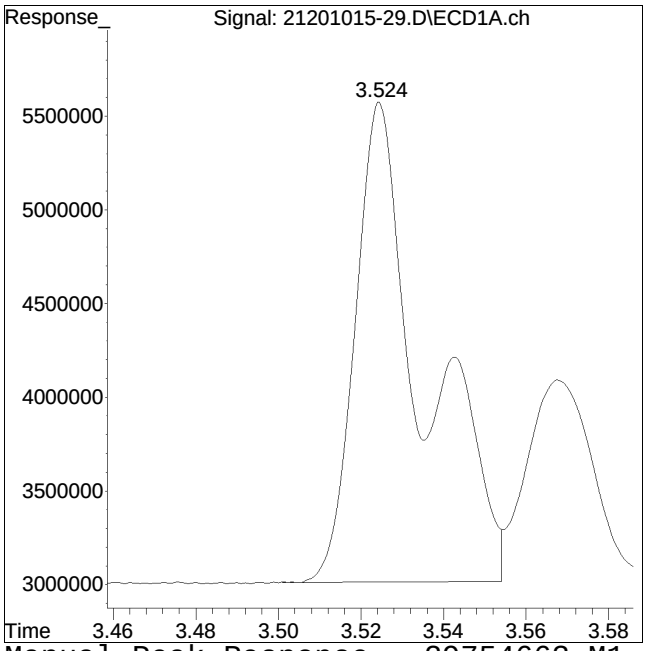
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-29.D Operator : pest21:kb
Date Inj'd : 10/15/2020 4:32 pm Instrument : Pest 21
Sample : il11660,42e,,10132 Quant Date : 11/11/2020 1:27 pm

Compound #13: 1260-5



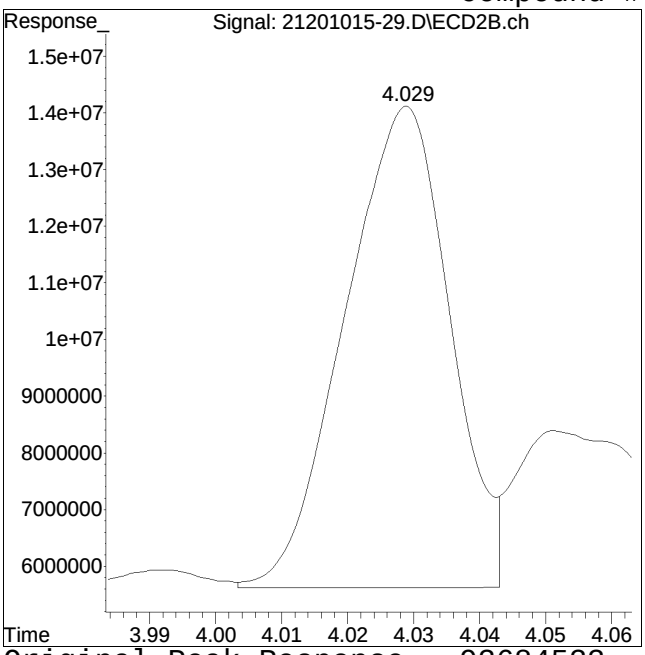


Original Peak Response = 20643552 Manual Peak Response = 29754663 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

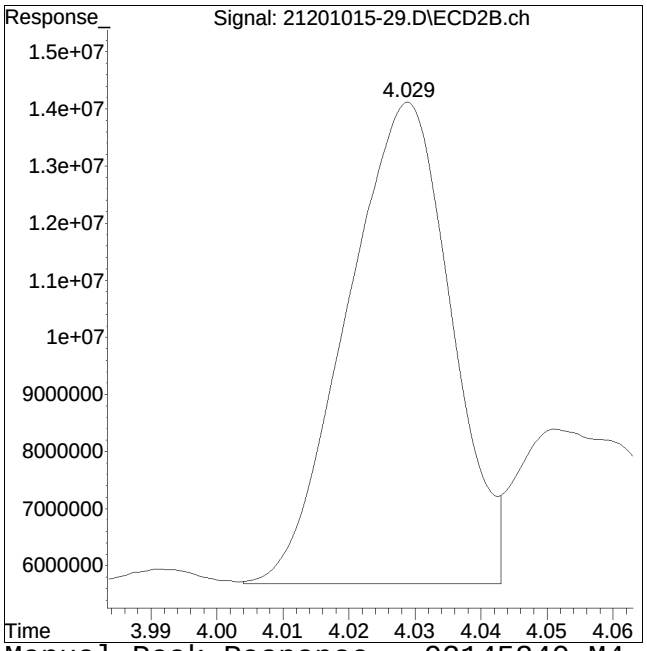
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-29.D Operator : pest21:kb
Date Inj'd : 10/15/2020 4:32 pm Instrument : Pest 21
Sample : il11660,42e,,10132 Quant Date : 11/11/2020 1:27 pm

Compound #64: 1260-5 #2



Original Peak Response = 93684533



Manual Peak Response = 92145240 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-30.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:39 pm
Operator : pest21:kb
Sample : il21660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:27:54 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:27:40 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.095	1.162	625.4E6	2566.1E6	250.000	250.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.369	1.536	134.8E6	423.7E6	33.613	32.526
	Spiked Amount	500.000	Range 30 - 150		Recovery =	6.72%#	6.51%#
3) s	Decachlorobi	4.136	4.697	197.4E6	575.5E6	65.960	65.076
	Spiked Amount	500.000	Range 30 - 150		Recovery =	13.19%#	13.02%#
	Target Compounds						
4) l1	1016-1	1.509	1.753	37260800	123.9E6	544.203	556.050
5) l1	1016-2	1.657	1.945	76797072	258.0E6	531.936	537.394
6) l1	1016-3	1.862	2.170	154.0E6	511.7E6	520.055M1	521.635
7) l1	1016-4	1.922	2.239	67946916	211.9E6	549.714	548.531
8) l1	1016-5	2.111	2.476	69384540	167.5E6	533.075	537.175
	Sum 1016-1			405.4E6	1273.0E6	2678.984	2700.784
	Average 1016-1					535.797	540.157
9) l2	1260-1	2.715	3.150	94553619	320.4E6	526.081	539.848
10) l2	1260-2	2.858	3.263	142.0E6	369.7E6	523.075	529.651
11) l2	1260-3	3.201	3.680	92541368	310.1E6	525.304	527.304
12) l2	1260-4	3.368	3.818	196.0E6	626.7E6	516.742	514.091
13) l2	1260-5	3.523	4.028	140.7E6	437.0E6	543.290M1	522.621
	Sum 1260-1			665.8E6	2063.9E6	N.D.	N.D. D
	Average 1260-1					526.898	526.703
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-30.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:39 pm
Operator : pest21:kb
Sample : il21660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:27:54 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:27:40 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-30.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:39 pm
Operator : pest21:kb
Sample : il21660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:27:54 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:27:40 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

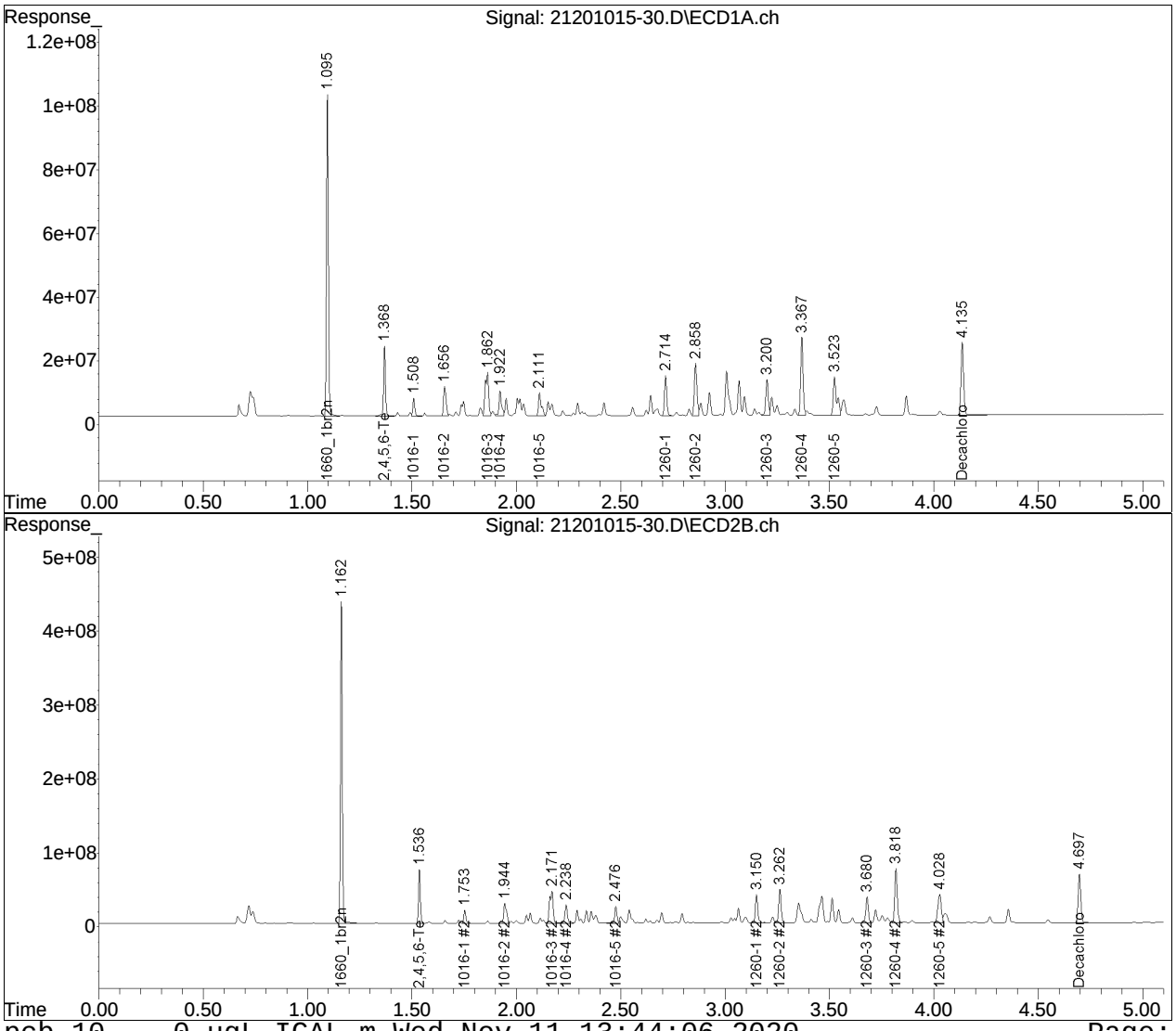
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-30.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:39 pm
Operator : pest21:kb
Sample : il21660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:27:54 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:27:40 2020
Response via : Initial Calibration
Integrator: ChemStation

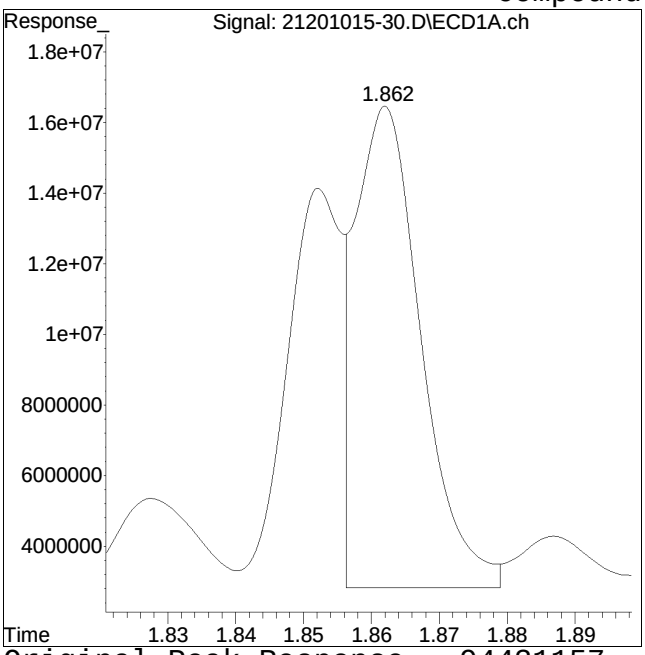
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

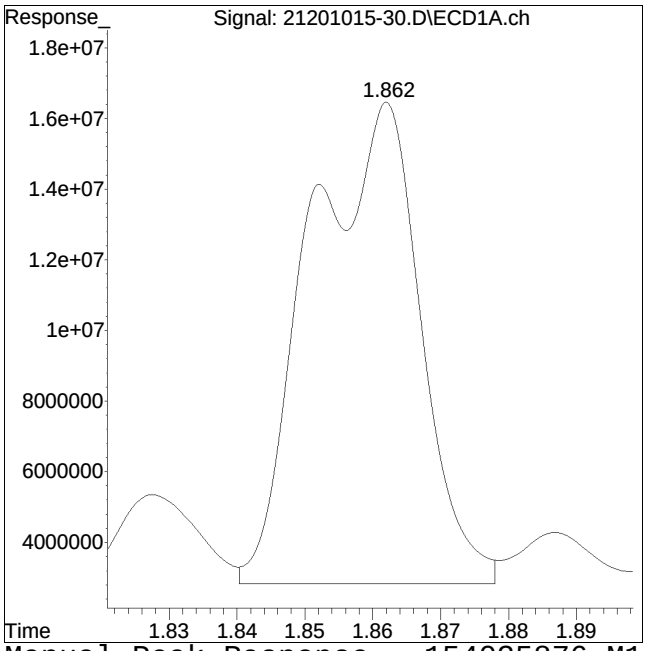


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-30.D Operator : pest21:kb
Date Inj'd : 10/15/2020 4:39 pm Instrument : Pest 21
Sample : il21660,42e,,10132 Quant Date : 11/11/2020 1:27 pm

Compound #6: 1016-3



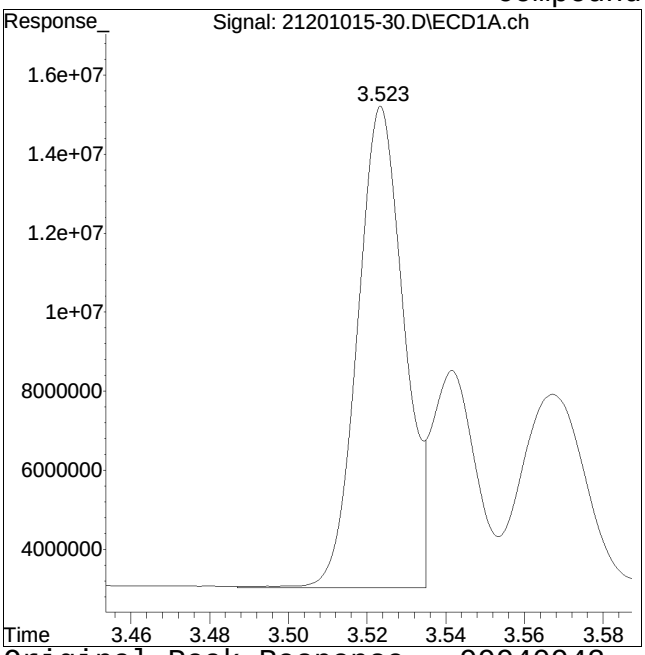


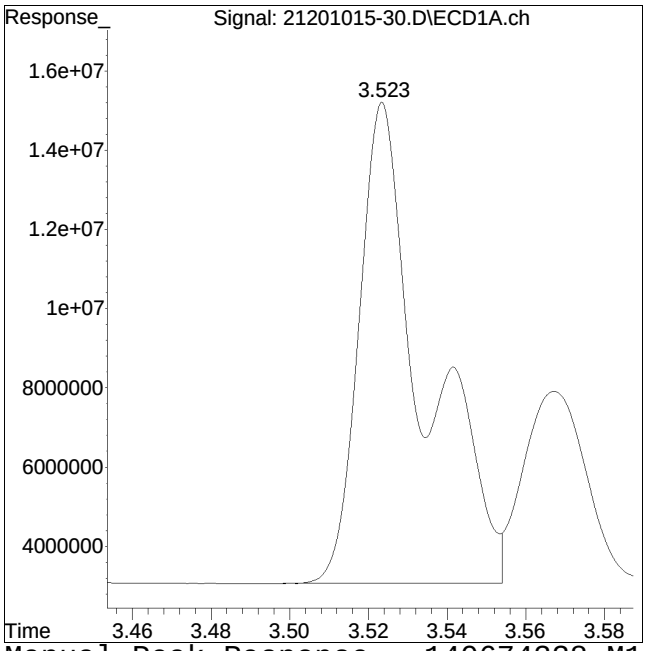
Original Peak Response = 94431157 Manual Peak Response = 154035876 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-30.D Operator : pest21:kb
Date Inj'd : 10/15/2020 4:39 pm Instrument : Pest 21
Sample : il21660,42e,,10132 Quant Date : 11/11/2020 1:27 pm

Compound #13: 1260-5





Original Peak Response = 99940942 Manual Peak Response = 140674338 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-31.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:46 pm
Operator : pest21:kb
Sample : il31660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:28:17 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:28:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.096	1.163	625.9E6	2570.6E6	250.000	250.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.369	1.536	253.0E6	820.1E6	63.049	62.848
	Spiked Amount 500.000	Range 30 - 150		Recovery =		12.61%#	12.57%#
3) s	Decachlorobi	4.137	4.697	379.4E6	1106.4E6	126.655	124.900
	Spiked Amount 500.000	Range 30 - 150		Recovery =		25.33%#	24.98%#
	Target Compounds						
4) l1	1016-1	1.509	1.753	69258363	226.8E6	1010.692	1016.666
5) l1	1016-2	1.657	1.944	145.3E6	479.7E6	1005.837	997.285
6) l1	1016-3	1.862	2.171	298.2E6	973.5E6	1005.813	990.711
7) l1	1016-4	1.923	2.238	122.8E6	374.3E6	992.514	967.179
8) l1	1016-5	2.111	2.476	130.8E6	312.2E6	1004.420	999.200
	Sum 1016-1			766.4E6	2366.5E6	5019.276	4971.041
	Average 1016-1					1003.855	994.208
9) l2	1260-1	2.715	3.150	180.4E6	589.6E6	1002.905	991.552
10) l2	1260-2	2.858	3.263	272.9E6	696.4E6	1004.041	996.124
11) l2	1260-3	3.201	3.680	177.1E6	585.9E6	1004.285	994.566
12) l2	1260-4	3.367	3.818	382.1E6	1213.8E6	1006.593	993.933
13) l2	1260-5	3.524	4.028	271.5E6	825.4E6	1047.663M1	985.344
	Sum 1260-1			1284.0E6	3911.0E6	N.D.	N.D. D
	Average 1260-1					1013.097	992.304
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-31.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:46 pm
Operator : pest21:kb
Sample : il31660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:28:17 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:28:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-31.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:46 pm
Operator : pest21:kb
Sample : il31660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:28:17 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:28:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

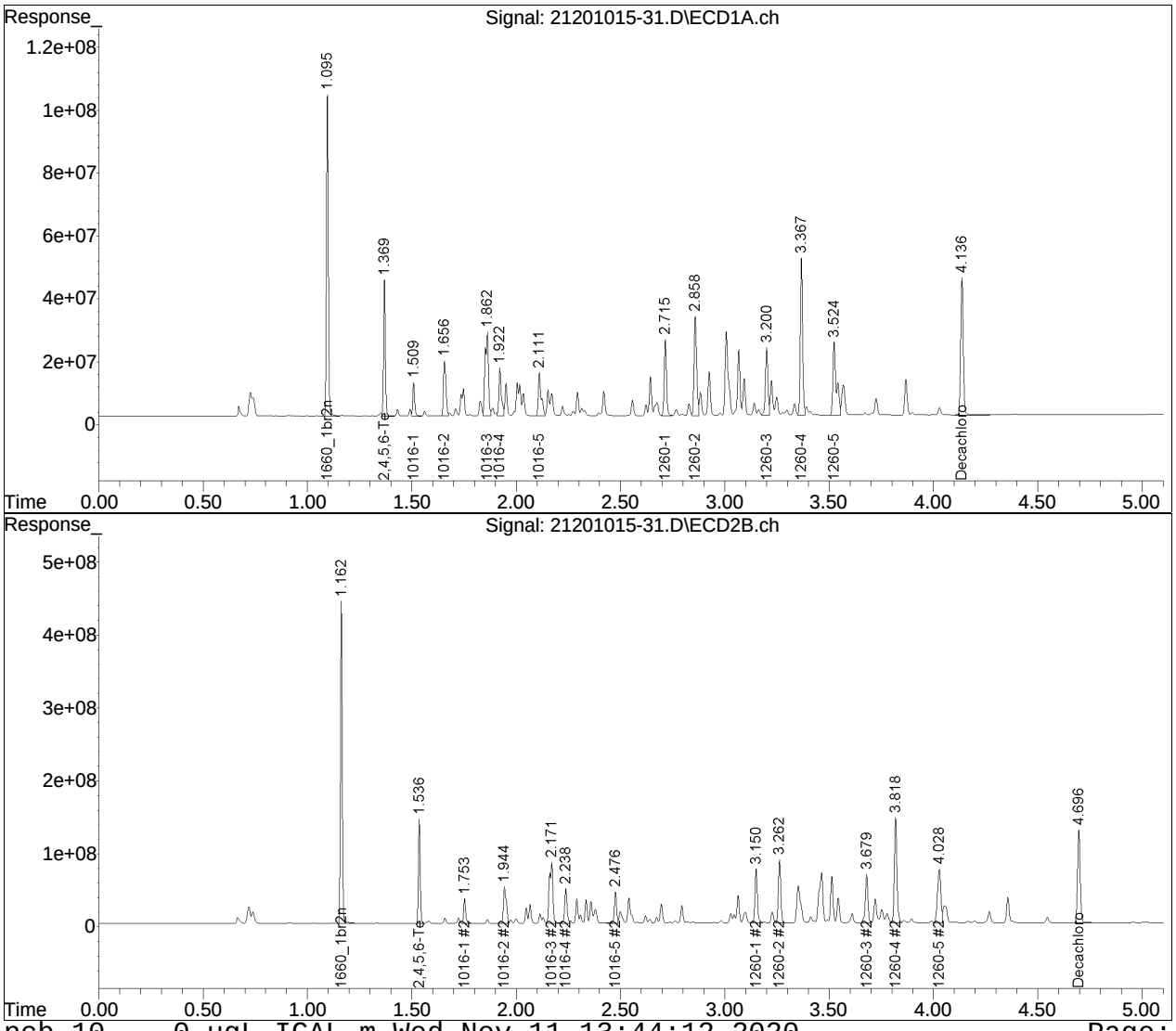
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-31.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:46 pm
Operator : pest21:kb
Sample : il31660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:28:17 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:28:03 2020
Response via : Initial Calibration
Integrator: ChemStation

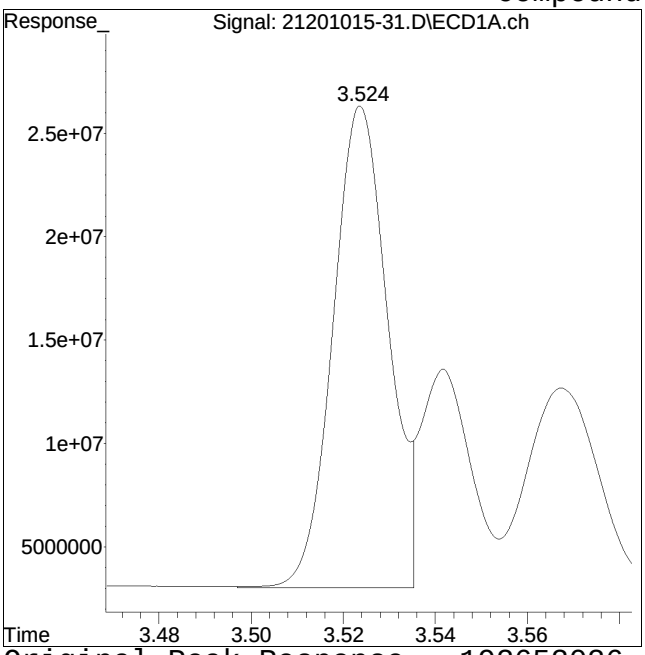
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

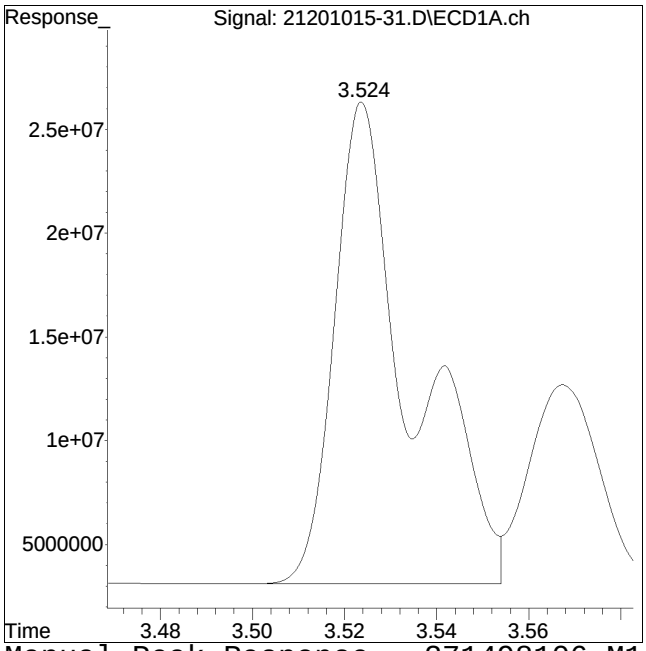


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-31.D Operator : pest21:kb
Date Inj'd : 10/15/2020 4:46 pm Instrument : Pest 21
Sample : il31660,42e,,10132 Quant Date : 11/11/2020 1:28 pm

Compound #13: 1260-5





Original Peak Response = 192652026 Manual Peak Response = 271498106 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-32.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:52 pm
Operator : pest21:kb
Sample : il41660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 12:44:40 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 12:42:10 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.096	1.163	628.5E6	2568.3E6	250.000	250.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.369	1.536	604.0E6	1960.9E6	149.922	150.404
	Spiked Amount 500.000	Range 30 - 150		Recovery =		29.98%#	30.08%
3) s	Decachlorobi	4.137	4.698	884.5E6	2592.6E6	294.065	292.934
	Spiked Amount 500.000	Range 30 - 150		Recovery =		58.81%	58.59%
	Target Compounds						
4) l1	1016-1	1.509	1.753	158.8E6	495.6E6	2307.374	2223.837M2
5) l1	1016-2	1.657	1.945	336.0E6	1089.0E6	2315.479	2266.189
6) l1	1016-3	1.863	2.170	705.2E6	2279.9E6	2368.974	2322.190
7) l1	1016-4	1.923	2.239	285.4E6	902.7E6	2297.862	2334.779
8) l1	1016-5	2.112	2.476	302.8E6	714.6E6	2314.531	2289.294
	Sum 1016-1			1788.1E6	5481.8E6	11604.220	11436.289
Average	1016-1					2320.844	2287.258
9) l2	1260-1	2.716	3.151	418.9E6	1373.4E6	2319.166	2311.991
10) l2	1260-2	2.859	3.263	636.1E6	1614.6E6	2330.799	2311.405
11) l2	1260-3	3.201	3.680	414.2E6	1354.7E6	2339.647	2301.880
12) l2	1260-4	3.368	3.819	903.5E6	2870.6E6	2370.085	2352.794
13) l2	1260-5	3.524	4.029	455.3E6	1943.3E6	1671.841	2321.933
	Sum 1260-1			2828.0E6	9156.6E6	N.D.	N.D. D
Average	1260-1					2206.308	2320.001
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-32.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:52 pm
Operator : pest21:kb
Sample : il41660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 12:44:40 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 12:42:10 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-32.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:52 pm
Operator : pest21:kb
Sample : il41660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 12:44:40 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 12:42:10 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

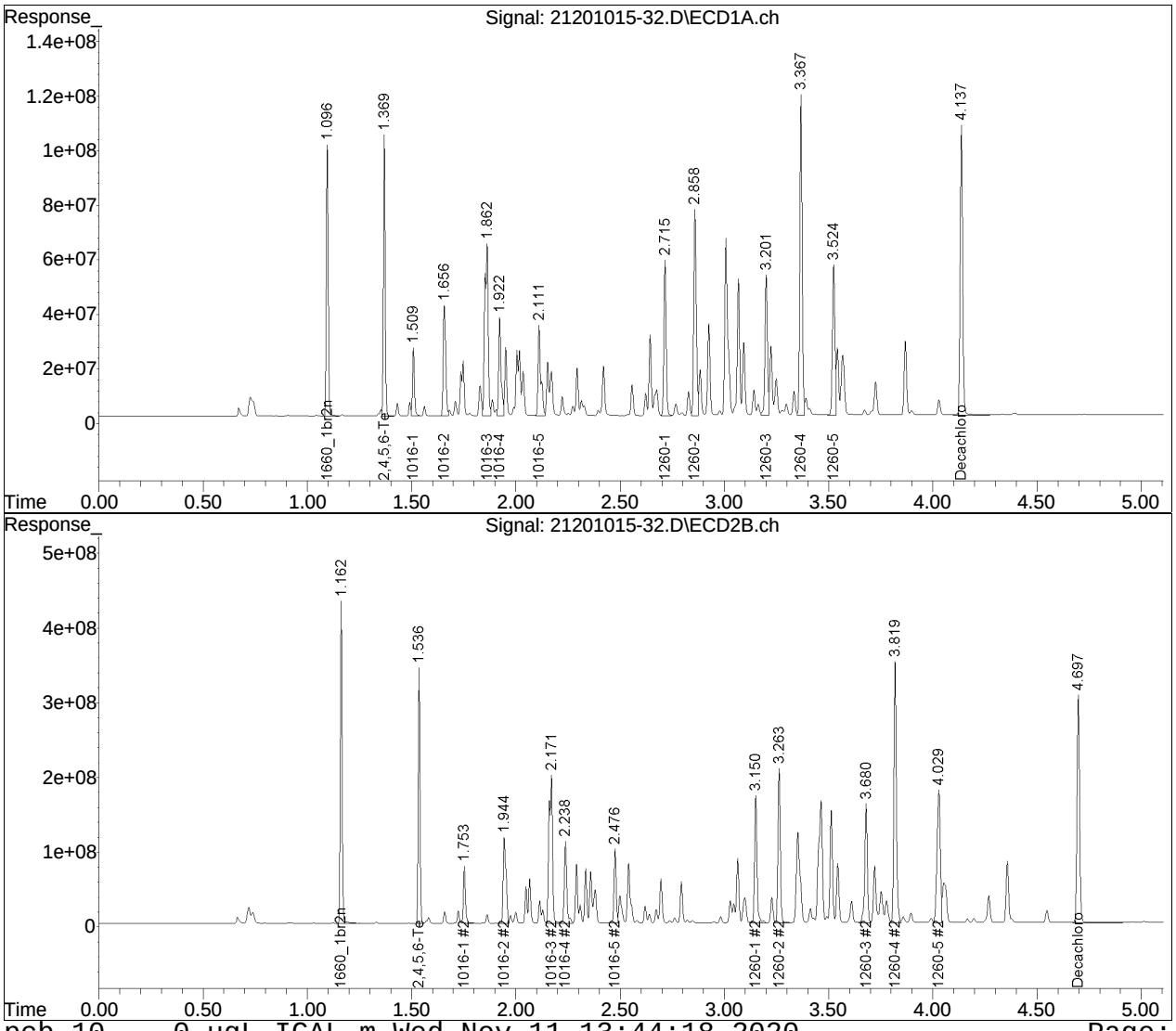
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-32.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:52 pm
Operator : pest21:kb
Sample : il41660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 12:44:40 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 12:42:10 2020
Response via : Initial Calibration
Integrator: ChemStation

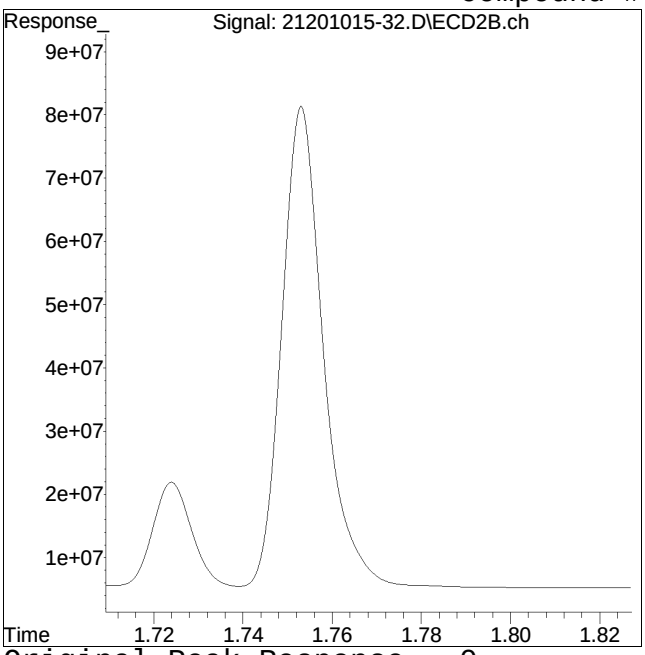
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



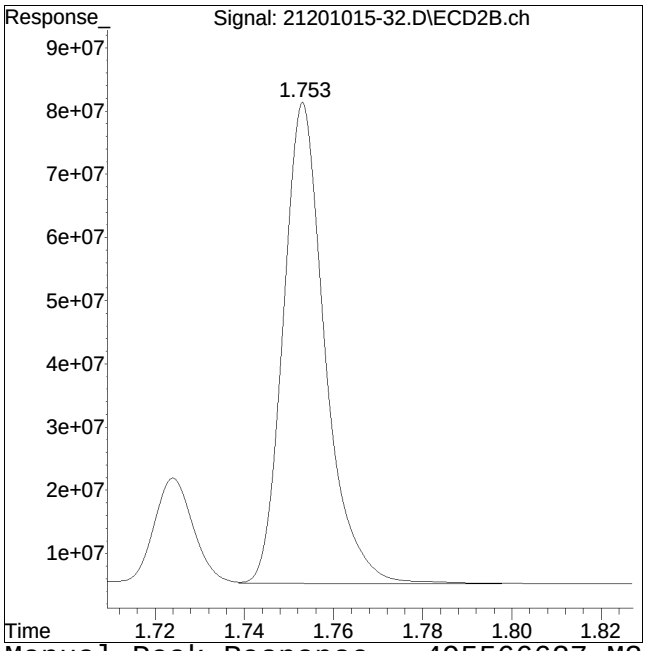
Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-32.D Operator : pest21:kb
Date Inj'd : 10/15/2020 4:52 pm Instrument : Pest 21
Sample : il41660,42e,,10132 Quant Date : 11/11/2020 12:43 pm

Compound #55: 1016-1 #2



Original Peak Response = 0



Manual Peak Response = 495566627 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-33.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:59 pm
Operator : pest21:kb
Sample : il51660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:28:42 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:28:29 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.096	1.163	598.1E6	2404.8E6	250.000	250.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.369	1.537	1253.1E6	3930.2E6	326.822	321.943
	Spiked Amount	500.000	Range 30 - 150		Recovery =	65.36%	64.39%
3) s	Decachlorobi	4.137	4.699	1773.6E6	5143.8E6	619.638	620.691
	Spiked Amount	500.000	Range 30 - 150		Recovery =	123.93%	124.14%
	Target Compounds						
4) l1	1016-1	1.509	1.754	311.3E6	972.3E6	4754.159	4657.946
5) l1	1016-2	1.657	1.945	660.7E6	2126.7E6	4785.139	4726.279
6) l1	1016-3	1.863	2.172	1410.6E6	4518.1E6	4979.926	4914.762
7) l1	1016-4	1.923	2.239	564.1E6	1683.3E6	4772.226	4649.560
8) l1	1016-5	2.112	2.477	598.4E6	1403.7E6	4807.209	4802.253
	Sum 1016-1			3545.2E6	10704.1E6	24098.660	23750.800
Average 1016-1						4819.732	4750.160
9) l2	1260-1	2.716	3.151	831.4E6	2692.8E6	4836.966	4841.162
10) l2	1260-2	2.859	3.263	1268.4E6	3199.7E6	4884.050	4891.927
11) l2	1260-3	3.201	3.681	825.0E6	2701.3E6	4896.684	4901.801
12) l2	1260-4	3.368	3.820	1828.4E6	5743.1E6	5040.404	5027.084
13) l2	1260-5	3.524	4.030	1297.8E6	3899.9E6	5240.791M1	4976.616
	Sum 1260-1			6051.0E6	18236.8E6	N.D.	N.D. D
Average 1260-1						4979.779	4927.718
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-33.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:59 pm
Operator : pest21:kb
Sample : il51660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:28:42 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:28:29 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-33.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:59 pm
Operator : pest21:kb
Sample : il51660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:28:42 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:28:29 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

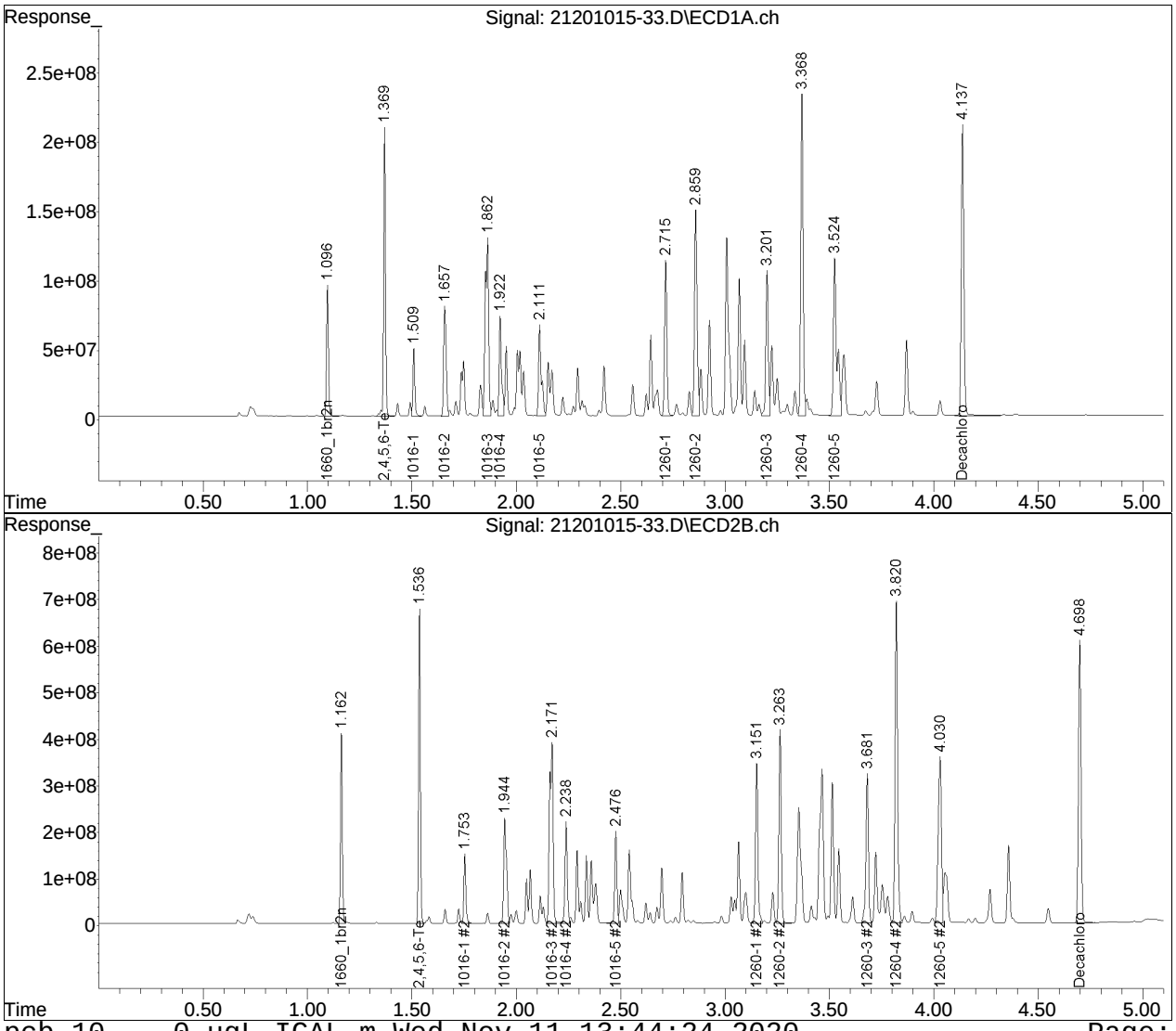
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-33.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 04:59 pm
Operator : pest21:kb
Sample : il51660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:28:42 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:28:29 2020
Response via : Initial Calibration
Integrator: ChemStation

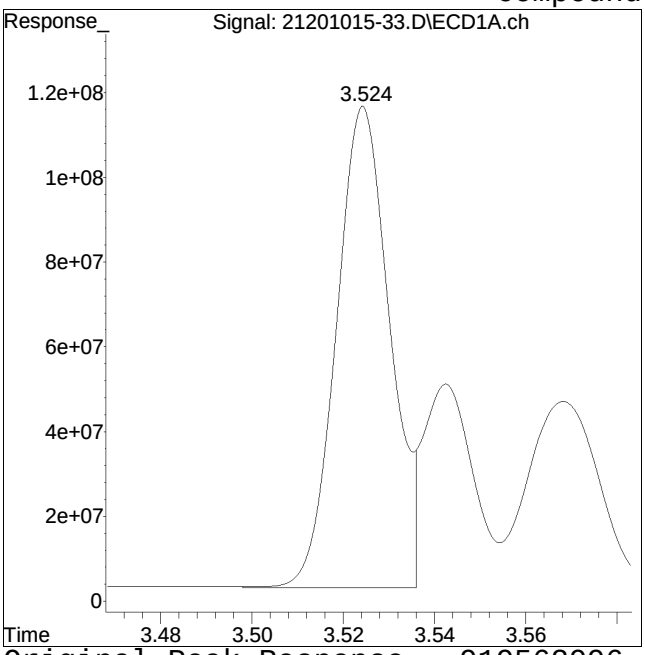
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

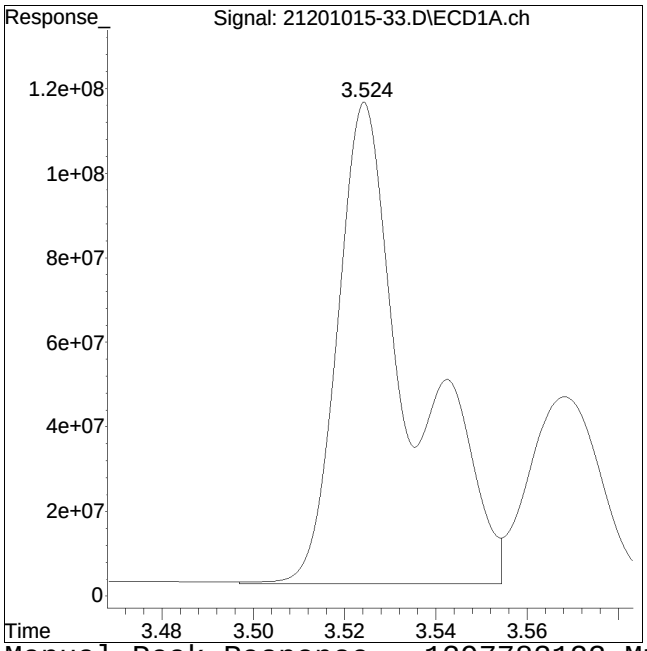


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-33.D Operator : pest21:kb
Date Inj'd : 10/15/2020 4:59 pm Instrument : Pest 21
Sample : il51660,42e,,10132 Quant Date : 11/11/2020 1:28 pm

Compound #13: 1260-5





Original Peak Response = 919562996 Manual Peak Response = 1297783123 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-34.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:06 pm
Operator : pest21:kb
Sample : il61660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:29:08 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:28:55 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.096	1.163	627.7E6	2504.7E6	250.000	250.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.370	1.537	2510.4E6	7811.4E6	623.920	614.352
	Spiked Amount 500.000	Range 30 - 150		Recovery =		124.78%	122.87%
3) s	Decachlorobi	4.138	4.699	3515.2E6	10200.8E6	1170.292	1181.819
	Spiked Amount 500.000	Range 30 - 150		Recovery =		234.06%#	236.36%#
	Target Compounds						
4) l1	1016-1	1.509	1.753	605.5E6	1882.9E6	8811.611	8660.577
5) l1	1016-2	1.657	1.944	1293.7E6	4105.6E6	8928.443	8760.305
6) l1	1016-3	1.863	2.171	2796.4E6	8776.5E6	9407.108	9166.329
7) l1	1016-4	1.923	2.239	1151.0E6	3429.6E6	9278.176	9095.458
8) l1	1016-5	2.112	2.477	1176.5E6	2744.3E6	9006.678	9014.234
	Sum 1016-1			7023.0E6	20938.9E6	45432.015	44696.903
Average 1016-1						9086.403	8939.381
9) l2	1260-1	2.716	3.151	1638.6E6	5249.7E6	9084.067	9061.551
10) l2	1260-2	2.860	3.264	2507.6E6	6236.5E6	9200.665	9154.666
11) l2	1260-3	3.202	3.681	1633.1E6	5308.2E6	9236.596	9248.311
12) l2	1260-4	3.369	3.820	3626.3E6	11358.8E6	9525.986	9546.176
13) l2	1260-5	3.524	4.030	2538.1E6	7730.0E6	9767.116M1	9470.765
	Sum 1260-1			11943.6E6	35883.3E6	N.D.	N.D. D
Average 1260-1						9362.886	9296.294
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-34.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:06 pm
Operator : pest21:kb
Sample : il61660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:29:08 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:28:55 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-34.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:06 pm
Operator : pest21:kb
Sample : il61660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:29:08 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:28:55 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

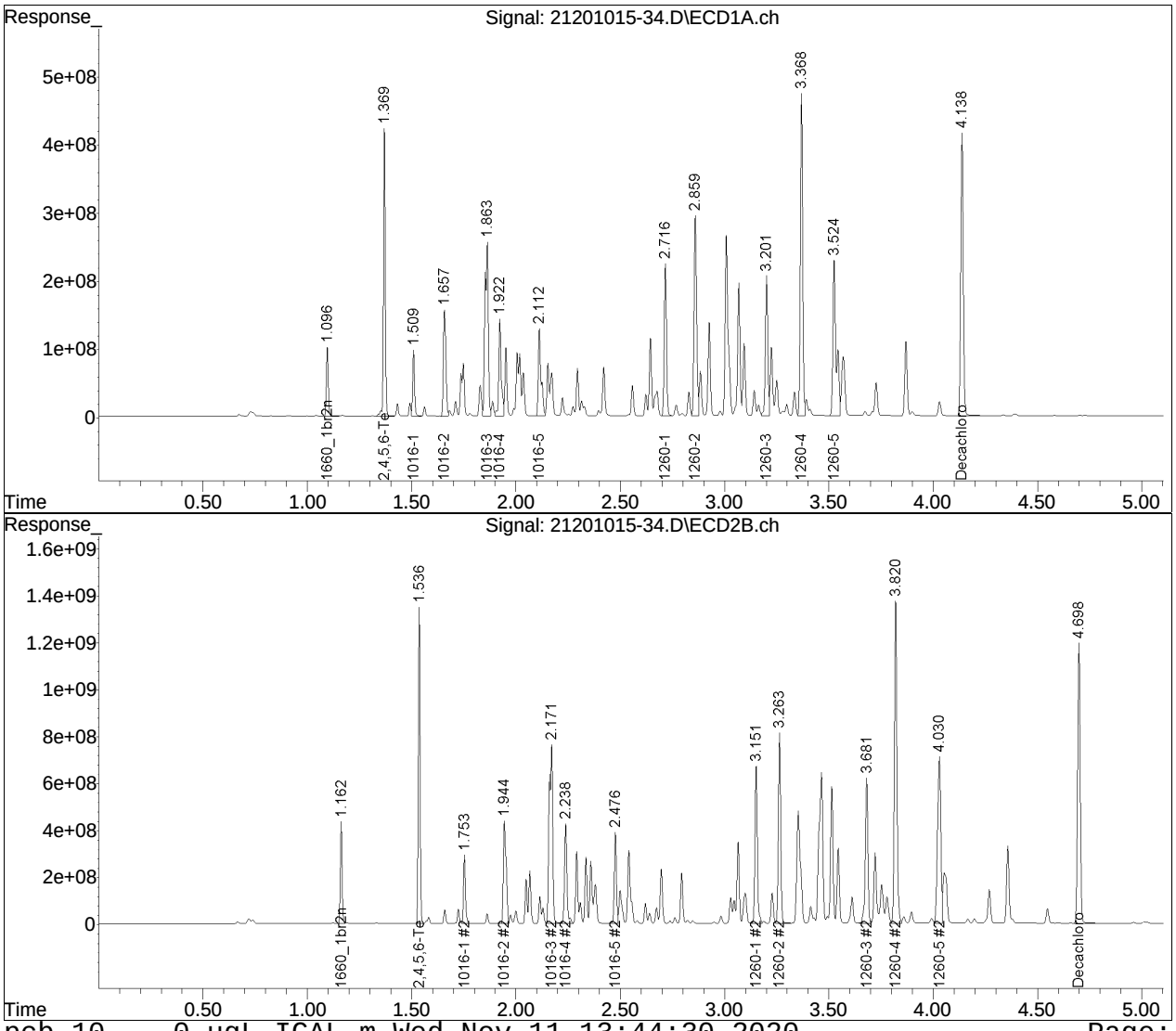
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-34.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:06 pm
Operator : pest21:kb
Sample : il61660,42e,,10132
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:29:08 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:28:55 2020
Response via : Initial Calibration
Integrator: ChemStation

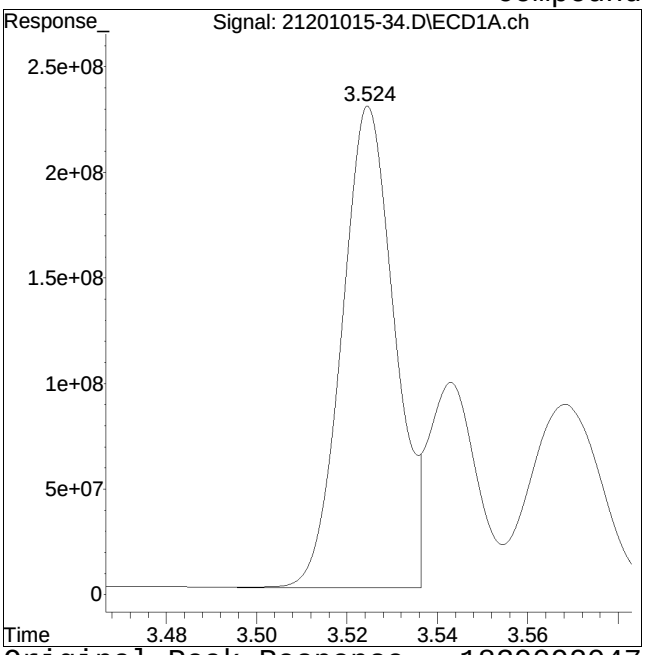
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

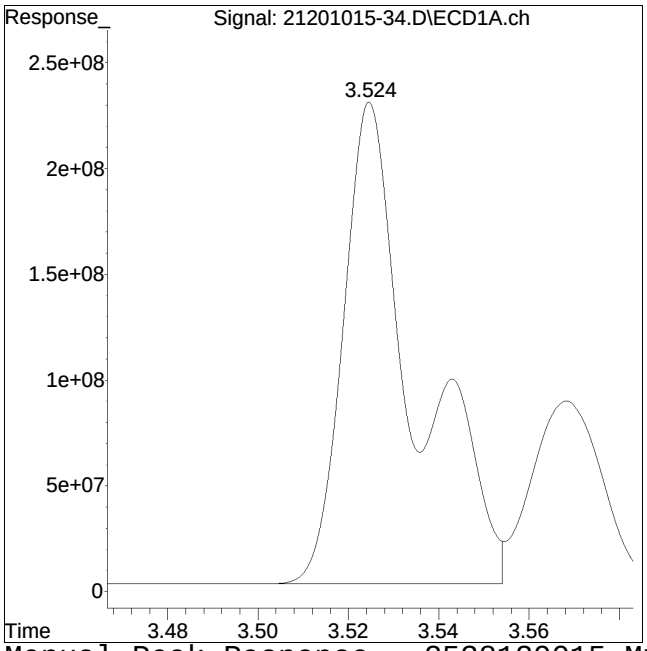


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-34.D Operator : pest21:kb
Date Inj'd : 10/15/2020 5:06 pm Instrument : Pest 21
Sample : il61660,42e,,10132 Quant Date : 11/11/2020 1:28 pm

Compound #13: 1260-5





Original Peak Response = 1839092047 Manual Peak Response = 2538129015 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-36.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Oct 2020 05:20 pm
Operator : pest21:kb
Sample   : cicv3262,42e,,10139
Misc   : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 34   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:37:27 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	250.000	250.000	0.0	101	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	160.000	146.905	8.2	99	0.00
3	s	Decachlorobiphenyl	320.000	286.858	10.4	99	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	101	0.00
23	i	4268_1br2nb	250.000	250.000	0.0	102	0.00
34	i	1248_1br2nb	250.000	250.000	0.0	104	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	111	0.00
41	l5	1232-1	2500.000	2599.284	-4.0	116	0.00
42	l5	1232-2	2500.000	2108.551	15.7#	96	0.00
43	l5	1232-3	2500.000	2232.519	10.7	99	0.00
44	l5	1232-4	2500.000	2263.191	9.5	98	0.00
45	l5	1232-5	2500.000	2369.341	5.2	106	0.00
46	l8	1262-1	2500.000	2238.083	10.5	99	0.00
47	l8	1262-2	2500.000	2186.175	12.6	98	0.00
48	l8	1262-3	2500.000	2178.189	12.9	96	0.00
49	l8	1262-4	2500.000	2209.016	11.6	98	0.00
50	l8	1262-5	2500.000	2185.088	12.6	98	0.00

Signal #2

1	i	1660_1br2nb	250.000	250.000	0.0	102	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	160.000	142.946	10.7	97	0.00
3	s	Decachlorobiphenyl	320.000	285.787	10.7	99	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	101	0.00

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-36.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Oct 2020 05:20 pm
Operator : pest21:kb
Sample   : cicv3262,42e,,10139
Misc   : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 34   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:37:27 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
23	i	4268_1br2nb	250.000	250.000	0.0	102	0.00
34	i	1248_1br2nb	250.000	250.000	0.0	103	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	110	0.00
41	l5	1232-1	2500.000	2512.799	-0.5	113	0.00
42	l5	1232-2	2500.000	2157.873	13.7	98	0.00
43	l5	1232-3	2500.000	2230.551	10.8	99	0.00
44	l5	1232-4	2500.000	2095.741	16.2#	94	0.00
45	l5	1232-5	2500.000	2340.488	6.4	106	0.00
46	l8	1262-1	2500.000	2229.161	10.8	100	0.00
47	l8	1262-2	2500.000	2217.987	11.3	99	0.00
48	l8	1262-3	2500.000	2186.296	12.5	97	0.00
49	l8	1262-4	2500.000	2283.043	8.7	100	0.00
50	l8	1262-5	2500.000	2276.116	9.0	102	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	2500.000	0.000	100.0#	0	-1.51#
5	l1	1016-2	2500.000	0.000	100.0#	0	-1.66#
6	l1	1016-3	2500.000	0.000	100.0#	0	-1.86#
7	l1	1016-4	2500.000	0.000	100.0#	0	-1.92#
8	l1	1016-5	2500.000	0.000	100.0#	0	-2.11#
9	l2	1260-1	2500.000	0.000	100.0#	0	-2.72#
10	l2	1260-2	2500.000	0.000	100.0#	0	-2.86#
11	l2	1260-3	2500.000	0.000	100.0#	0	-3.20#
12	l2	1260-4	2500.000	0.000	100.0#	0	-3.37#
13	l2	1260-5	2500.000	0.000	100.0#	0	-3.52#
15	l3	1221-1	2500.000	0.000	100.0#	0	-1.43#
16	l3	1221-2	2500.000	0.000	100.0#	0	-1.49#
17	l3	1221-3	2500.000	0.000	100.0#	0	-1.51#

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-36.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Oct 2020 05:20 pm
Operator : pest21:kb
Sample   : cicv3262,42e,,10139
Misc   : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 34   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:37:27 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
18	l4	1254-1	2500.000	0.000	100.0#	0	-2.29#
19	l4	1254-2	2500.000	0.000	100.0#	0	-2.42#
20	l4	1254-3	2500.000	0.000	100.0#	0	-2.62#
21	l4	1254-4	2500.000	0.000	100.0#	0	-2.76#
22	l4	1254-5	2500.000	0.000	100.0#	0	-3.01#
24	l6	1242-1	2500.000	0.000	100.0#	0	-1.51#
25	l6	1242-2	2500.000	0.000	100.0#	0	-1.65#
26	l6	1242-3	2500.000	0.000	100.0#	0	-1.86#
27	l6	1242-4	2500.000	0.000	100.0#	0	-1.92#
28	l6	1242-5	2500.000	0.000	100.0#	0	-2.31#
29	l9	1268-1	2500.000	0.000	100.0#	0	-3.54#
30	l9	1268-2	2500.000	0.000	100.0#	0	-3.56#
31	l9	1268-3	2500.000	0.000	100.0#	0	-3.67#
32	l9	1268-4	2500.000	0.000	100.0#	0	-3.87#
33	l9	1268-5	2500.000	0.000	100.0#	0	-4.03#
35	l7	1248-1	2500.000	0.000	100.0#	0	-1.85#
36	l7	1248-2	2500.000	0.000	100.0#	0	-2.00#
37	l7	1248-3	2500.000	0.000	100.0#	0	-2.11#
38	l7	1248-4	2500.000	0.000	100.0#	0	-2.31#
39	l7	1248-5	2500.000	0.000	100.0#	0	-2.33#

Signal #2

4	l1	1016-1	2500.000	0.000	100.0#	0	-1.75#
5	l1	1016-2	2500.000	0.000	100.0#	0	-1.95#
6	l1	1016-3	2500.000	0.000	100.0#	0	-2.17#
7	l1	1016-4	2500.000	0.000	100.0#	0	-2.24#
8	l1	1016-5	2500.000	0.000	100.0#	0	-2.48#
9	l2	1260-1	2500.000	0.000	100.0#	0	-3.15#
10	l2	1260-2	2500.000	0.000	100.0#	0	-3.26#
11	l2	1260-3	2500.000	0.000	100.0#	0	-3.68#

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-36.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Oct 2020 05:20 pm
Operator : pest21:kb
Sample   : cicv3262,42e,,10139
Misc   : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 34   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:37:27 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
12 l2	1260-4	2500.000	0.000	100.0#	0	-3.82#
13 l2	1260-5	2500.000	0.000	100.0#	0	-4.03#
15 l3	1221-1	2500.000	0.000	100.0#	0	-1.66#
16 l3	1221-2	2500.000	0.000	100.0#	0	-1.72#
17 l3	1221-3	2500.000	0.000	100.0#	0	-1.75#
18 l4	1254-1	2500.000	0.000	100.0#	0	-2.69#
19 l4	1254-2	2500.000	0.000	100.0#	0	-2.79#
20 l4	1254-3	2500.000	0.000	100.0#	0	-3.04#
21 l4	1254-4	2500.000	0.000	100.0#	0	-3.17#
22 l4	1254-5	2500.000	0.000	100.0#	0	-3.46#
24 l6	1242-1	2500.000	0.000	100.0#	0	-1.75#
25 l6	1242-2	2500.000	0.000	100.0#	0	-1.94#
26 l6	1242-3	2500.000	0.000	100.0#	0	-2.17#
27 l6	1242-4	2500.000	0.000	100.0#	0	-2.24#
28 l6	1242-5	2500.000	0.000	100.0#	0	-2.67#
29 l9	1268-1	2500.000	0.000	100.0#	0	-4.02#
30 l9	1268-2	2500.000	0.000	100.0#	0	-4.05#
31 l9	1268-3	2500.000	0.000	100.0#	0	-4.20#
32 l9	1268-4	2500.000	0.000	100.0#	0	-4.36#
33 l9	1268-5	2500.000	0.000	100.0#	0	-4.55#
35 l7	1248-1	2500.000	0.000	100.0#	0	-2.16#
36 l7	1248-2	2500.000	0.000	100.0#	0	-2.33#
37 l7	1248-3	2500.000	0.000	100.0#	0	-2.48#
38 l7	1248-4	2500.000	0.000	100.0#	0	-2.67#
39 l7	1248-5	2500.000	0.000	100.0#	0	-2.70#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-36.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:20 pm
Operator : pest21:kb
Sample : cicv3262,42e,,10139
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:37:27 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.096	1.163	637.5E6	2608.3E6	250.000	250.000
14) i	2154_1br2nb	1.096	1.163	637.5E6	2608.3E6	250.000	250.000
23) i	4268_1br2nb	1.096	1.163	637.5E6	2608.3E6	250.000	250.000
34) i	1248_1br2nb	1.096	1.163	637.5E6	2608.3E6	250.000	250.000
40) i	3262_1br2nb	1.096	1.163	637.5E6	2608.3E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.369	1.536	600.4E6	1892.7E6	146.905	142.946
	Spiked Amount 500.000	Range 30 - 150		Recovery =		29.38%#	28.59%#
3) s	Decachlorobi	4.138	4.698	875.2E6	2568.8E6	286.858	285.787
	Spiked Amount 500.000	Range 30 - 150		Recovery =		57.37%	57.16%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-36.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:20 pm
Operator : pest21:kb
Sample : cicv3262,42e,,10139
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:37:27 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-36.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:20 pm
Operator : pest21:kb
Sample : cicv3262,42e,,10139
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:37:27 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	1.509	1.754	204.3E6	634.8E6	2599.284	2512.799
42) l5	1232-2	1.657	1.944	153.9E6	541.6E6	2108.551	2157.873
43) l5	1232-3	1.863	2.171	331.3E6	1078.8E6	2232.519	2230.551
44) l5	1232-4	1.923	2.239	138.6E6	412.5E6	2263.191	2095.741
45) l5	1232-5	2.314	2.674	102.5E6	336.9E6	2369.341	2340.488
Sum	1232-1			930.6E6	3004.7E6	11572.886	11337.451
Average	1232-1					2314.577	2267.490
46) l8	1262-1	2.859	3.263	449.2E6	1245.0E6	2238.083	2229.161
47) l8	1262-2	3.068	3.513	566.7E6	1712.8E6	2186.175	2217.987
48) l8	1262-3	3.201	3.681	501.0E6	1594.6E6	2178.189	2186.296
49) l8	1262-4	3.368	3.819	1013.5E6	3131.3E6	2209.016	2283.043
50) l8	1262-5	3.869	4.358	339.5E6	1128.4E6	2185.088	2276.116
Sum	1262-1			2869.9E6	8812.1E6	10996.550	11192.603
Average	1262-1					2199.310	2238.521

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			2869.9E6	8812.1E6	10996.550	11192.603
Average	1262-1					2199.310	2238.521

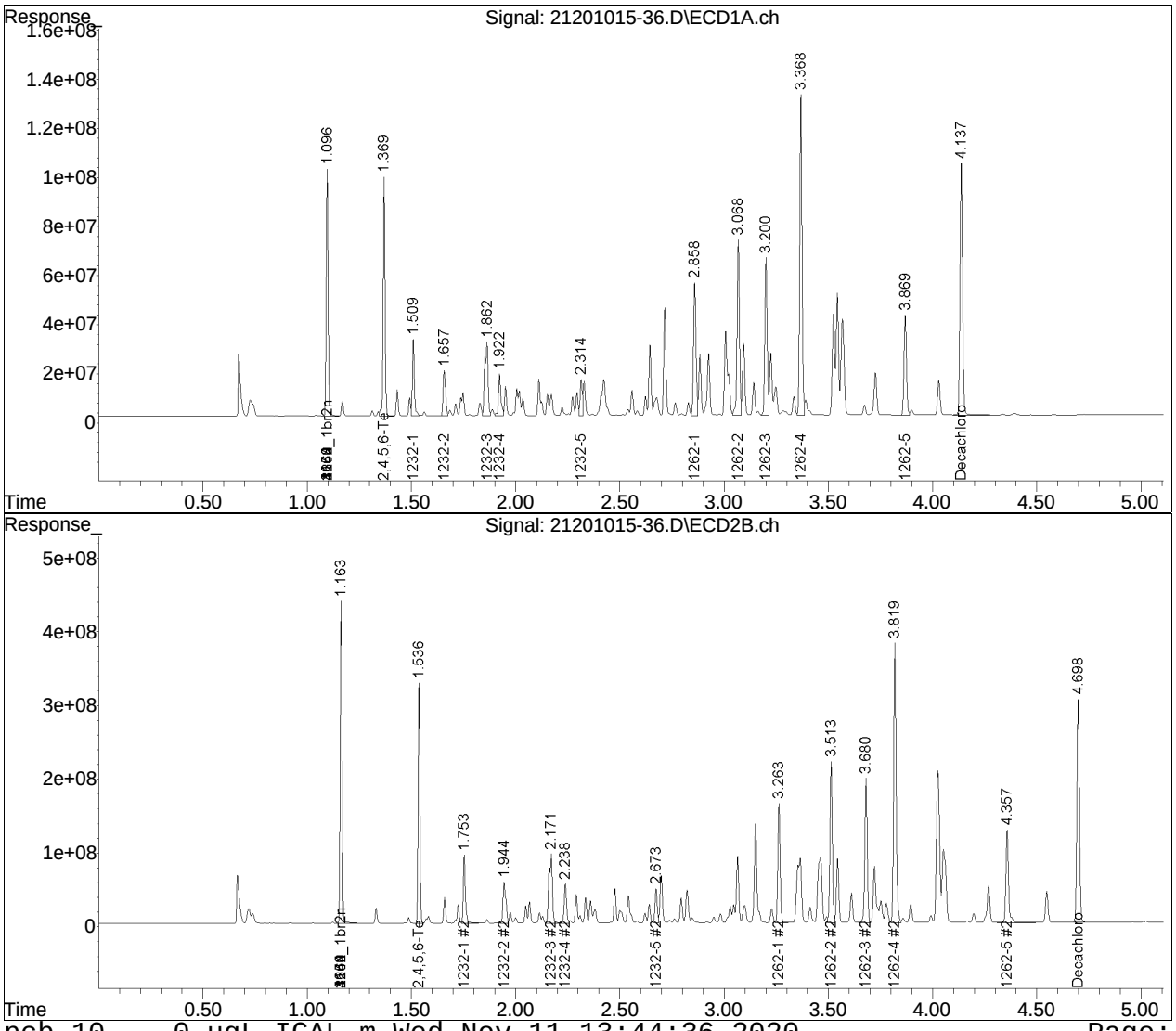
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-36.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:20 pm
Operator : pest21:kb
Sample : cicv3262,42e,,10139
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:37:27 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest21\data\2020\212010	QMethod	: P21_pcb_10_15_20_ugL_ICA
Data File	: 21201015-36.D	Operator	: pest21:kb
Date Inj'd	: 10/15/2020 5:20 pm	Instrument	: Pest 21
Sample	: cicv3262,42e,,10139	Quant Date	: 11/11/2020 1:37 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-37.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:27 pm
Operator : pest21:kb
Sample : cicv1248,42e,,10140
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:37:48 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:40 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	250.000	250.000	0.0	99	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	160.000	150.295	6.1	99	0.00
3	s	Decachlorobiphenyl	320.000	297.940	6.9	100	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	98	0.00
23	i	4268_1br2nb	250.000	250.000	0.0	99	0.00
34	i	1248_1br2nb	250.000	250.000	0.0	101	0.00
35	l7	1248-1	2500.000	2346.160	6.2	97	0.00
36	l7	1248-2	2500.000	2368.037	5.3	100	0.00
37	l7	1248-3	2500.000	2400.622	4.0	101	0.00
38	l7	1248-4	2500.000	2517.652	-0.7	104	0.00
39	l7	1248-5	2500.000	2559.723	-2.4	106	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	108	0.00

Signal #2

1	i	1660_1br2nb	250.000	250.000	0.0	99	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	160.000	150.203	6.1	99	0.00
3	s	Decachlorobiphenyl	320.000	299.808	6.3	101	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	99	0.00
23	i	4268_1br2nb	250.000	250.000	0.0	99	0.00
34	i	1248_1br2nb	250.000	250.000	0.0	100	0.00
35	l7	1248-1	2500.000	2338.908	6.4	99	0.00
36	l7	1248-2	2500.000	2355.431	5.8	101	0.00

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-37.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Oct 2020 05:27 pm
Operator : pest21:kb
Sample   : cicv1248,42e,,10140
Misc   : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 35   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:37:48 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:40 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
37	l7	1248-3	2500.000	2398.162	4.1	102	0.00
38	l7	1248-4	2500.000	2510.924	-0.4	106	0.00
39	l7	1248-5	2500.000	2507.005	-0.3	106	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	107	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	2500.000	0.000	100.0#	0	-1.51#
5	l1	1016-2	2500.000	0.000	100.0#	0	-1.66#
6	l1	1016-3	2500.000	0.000	100.0#	0	-1.86#
7	l1	1016-4	2500.000	0.000	100.0#	0	-1.92#
8	l1	1016-5	2500.000	0.000	100.0#	0	-2.11#
9	l2	1260-1	2500.000	0.000	100.0#	0	-2.72#
10	l2	1260-2	2500.000	0.000	100.0#	0	-2.86#
11	l2	1260-3	2500.000	0.000	100.0#	0	-3.20#
12	l2	1260-4	2500.000	0.000	100.0#	0	-3.37#
13	l2	1260-5	2500.000	0.000	100.0#	0	-3.52#
15	l3	1221-1	2500.000	0.000	100.0#	0	-1.43#
16	l3	1221-2	2500.000	0.000	100.0#	0	-1.49#
17	l3	1221-3	2500.000	0.000	100.0#	0	-1.51#
18	l4	1254-1	2500.000	0.000	100.0#	0	-2.29#
19	l4	1254-2	2500.000	0.000	100.0#	0	-2.42#
20	l4	1254-3	2500.000	0.000	100.0#	0	-2.62#
21	l4	1254-4	2500.000	0.000	100.0#	0	-2.76#
22	l4	1254-5	2500.000	0.000	100.0#	0	-3.01#
24	l6	1242-1	2500.000	0.000	100.0#	0	-1.51#
25	l6	1242-2	2500.000	0.000	100.0#	0	-1.65#
26	l6	1242-3	2500.000	0.000	100.0#	0	-1.86#
27	l6	1242-4	2500.000	0.000	100.0#	0	-1.92#
28	l6	1242-5	2500.000	0.000	100.0#	0	-2.31#

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-37.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Oct 2020 05:27 pm
Operator : pest21:kb
Sample   : cicv1248,42e,,10140
Misc   : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 35   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:37:48 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:40 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
29	l9	1268-1	2500.000	0.000	100.0#	0	-3.54#
30	l9	1268-2	2500.000	0.000	100.0#	0	-3.56#
31	l9	1268-3	2500.000	0.000	100.0#	0	-3.67#
32	l9	1268-4	2500.000	0.000	100.0#	0	-3.87#
33	l9	1268-5	2500.000	0.000	100.0#	0	-4.03#
41	l5	1232-1	2500.000	0.000	100.0#	0	-1.51#
42	l5	1232-2	2500.000	0.000	100.0#	0	-1.65#
43	l5	1232-3	2500.000	0.000	100.0#	0	-1.86#
44	l5	1232-4	2500.000	0.000	100.0#	0	-1.92#
45	l5	1232-5	2500.000	0.000	100.0#	0	-2.31#
46	l8	1262-1	2500.000	0.000	100.0#	0	-2.86#
47	l8	1262-2	2500.000	0.000	100.0#	0	-3.06#
48	l8	1262-3	2500.000	0.000	100.0#	0	-3.20#
49	l8	1262-4	2500.000	0.000	100.0#	0	-3.37#
50	l8	1262-5	2500.000	0.000	100.0#	0	-3.87#

Signal #2

4	l1	1016-1	2500.000	0.000	100.0#	0	-1.75#
5	l1	1016-2	2500.000	0.000	100.0#	0	-1.95#
6	l1	1016-3	2500.000	0.000	100.0#	0	-2.17#
7	l1	1016-4	2500.000	0.000	100.0#	0	-2.24#
8	l1	1016-5	2500.000	0.000	100.0#	0	-2.48#
9	l2	1260-1	2500.000	0.000	100.0#	0	-3.15#
10	l2	1260-2	2500.000	0.000	100.0#	0	-3.26#
11	l2	1260-3	2500.000	0.000	100.0#	0	-3.68#
12	l2	1260-4	2500.000	0.000	100.0#	0	-3.82#
13	l2	1260-5	2500.000	0.000	100.0#	0	-4.03#
15	l3	1221-1	2500.000	0.000	100.0#	0	-1.66#
16	l3	1221-2	2500.000	0.000	100.0#	0	-1.72#
17	l3	1221-3	2500.000	0.000	100.0#	0	-1.75#

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-37.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Oct 2020 05:27 pm
Operator : pest21:kb
Sample   : cicv1248,42e,,10140
Misc   : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 35   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:37:48 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:40 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
18 l4	1254-1	2500.000	0.000	100.0#	0	-2.69#
19 l4	1254-2	2500.000	0.000	100.0#	0	-2.79#
20 l4	1254-3	2500.000	0.000	100.0#	0	-3.04#
21 l4	1254-4	2500.000	0.000	100.0#	0	-3.17#
22 l4	1254-5	2500.000	0.000	100.0#	0	-3.46#
24 l6	1242-1	2500.000	0.000	100.0#	0	-1.75#
25 l6	1242-2	2500.000	0.000	100.0#	0	-1.94#
26 l6	1242-3	2500.000	0.000	100.0#	0	-2.17#
27 l6	1242-4	2500.000	0.000	100.0#	0	-2.24#
28 l6	1242-5	2500.000	0.000	100.0#	0	-2.67#
29 l9	1268-1	2500.000	0.000	100.0#	0	-4.02#
30 l9	1268-2	2500.000	0.000	100.0#	0	-4.05#
31 l9	1268-3	2500.000	0.000	100.0#	0	-4.20#
32 l9	1268-4	2500.000	0.000	100.0#	0	-4.36#
33 l9	1268-5	2500.000	0.000	100.0#	0	-4.55#
41 l5	1232-1	2500.000	0.000	100.0#	0	-1.75#
42 l5	1232-2	2500.000	0.000	100.0#	0	-1.94#
43 l5	1232-3	2500.000	0.000	100.0#	0	-2.17#
44 l5	1232-4	2500.000	0.000	100.0#	0	-2.24#
45 l5	1232-5	2500.000	0.000	100.0#	0	-2.67#
46 l8	1262-1	2500.000	0.000	100.0#	0	-3.26#
47 l8	1262-2	2500.000	0.000	100.0#	0	-3.51#
48 l8	1262-3	2500.000	0.000	100.0#	0	-3.68#
49 l8	1262-4	2500.000	0.000	100.0#	0	-3.82#
50 l8	1262-5	2500.000	0.000	100.0#	0	-4.36#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-37.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:27 pm
Operator : pest21:kb
Sample : cicv1248,42e,,10140
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:37:48 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:40 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.096	1.163	619.5E6	2539.0E6	250.000	250.000
14) i	2154_1br2nb	1.096	1.163	619.5E6	2539.0E6	250.000	250.000
23) i	4268_1br2nb	1.096	1.163	619.5E6	2539.0E6	250.000	250.000
34) i	1248_1br2nb	1.096	1.163	619.5E6	2539.0E6	250.000	250.000
40) i	3262_1br2nb	1.096	1.163	619.5E6	2539.0E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.369	1.536	596.9E6	1935.9E6	150.295	150.203
	Spiked Amount	500.000	Range 30 - 150		Recovery =	30.06%	30.04%
3) s	Decachlorobi	4.138	4.699	883.4E6	2623.2E6	297.940	299.808
	Spiked Amount	500.000	Range 30 - 150		Recovery =	59.59%	59.96%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-37.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:27 pm
Operator : pest21:kb
Sample : cicv1248,42e,,10140
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:37:48 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:40 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	1.852	2.163	362.7E6	1199.0E6	2346.160M1	2338.908
36) l7	1248-2	2.005	2.336	440.5E6	744.2E6	2368.037M1	2355.431
37) l7	1248-3	2.111	2.477	390.7E6	948.2E6	2400.622	2398.162
38) l7	1248-4	2.314	2.674	346.0E6	1095.3E6	2517.652	2510.924
39) l7	1248-5	2.329	2.699	321.0E6	1233.9E6	2559.723	2507.005
Sum	1248-1			1860.9E6	5220.6E6	12192.195	12110.430

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-37.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:27 pm
Operator : pest21:kb
Sample : cicv1248,42e,,10140
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:37:48 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:40 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					2438.439	2422.086
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

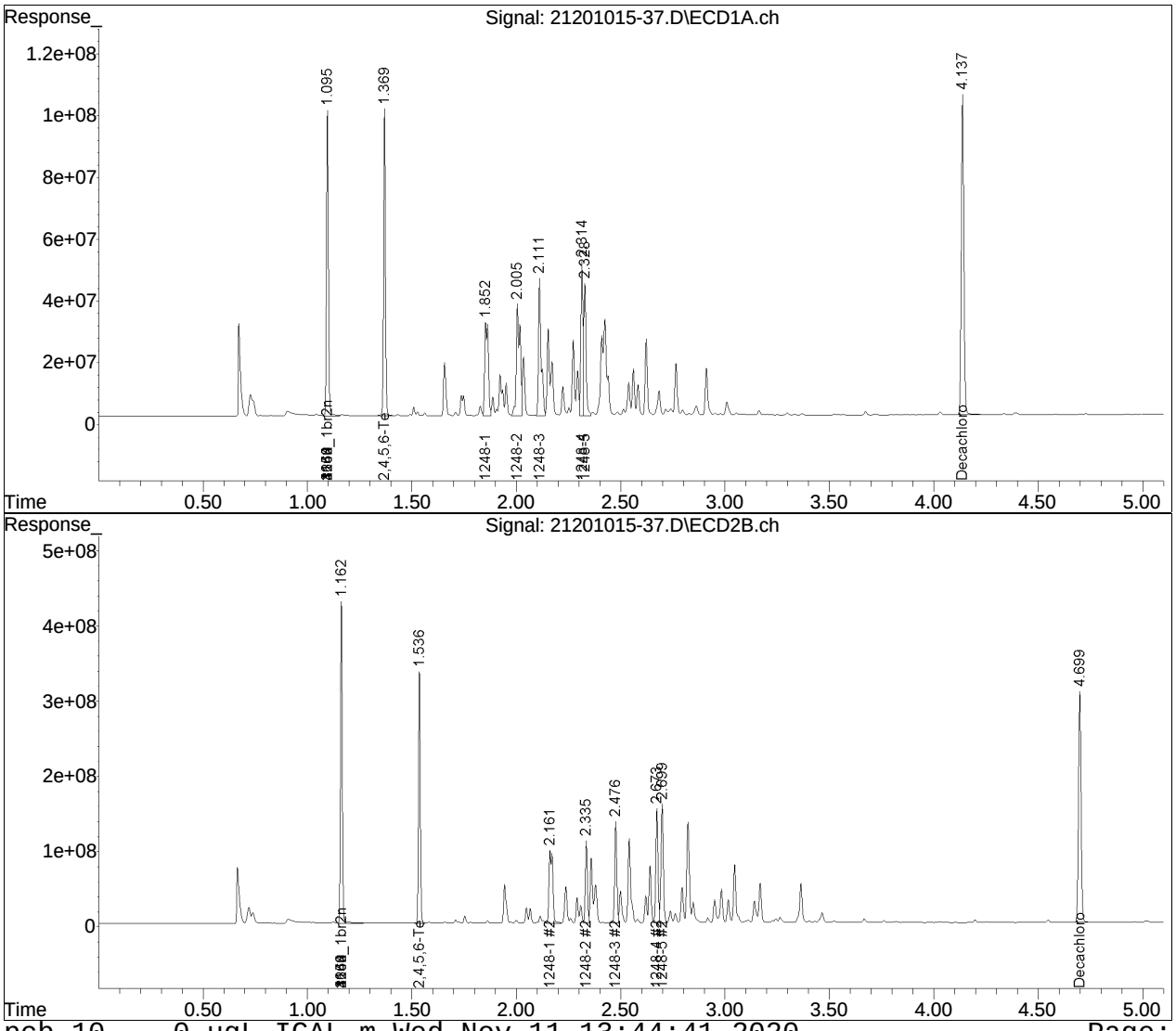
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-37.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:27 pm
Operator : pest21:kb
Sample : cicv1248,42e,,10140
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:37:48 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:40 2020
Response via : Initial Calibration
Integrator: ChemStation

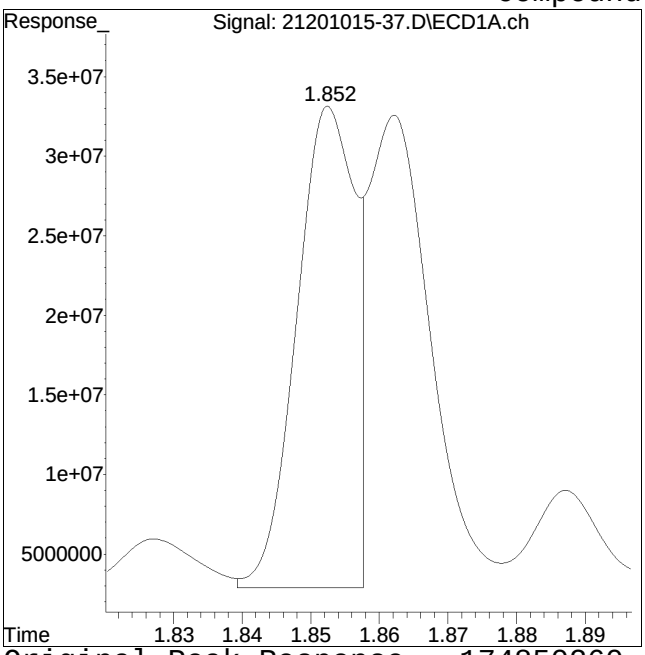
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

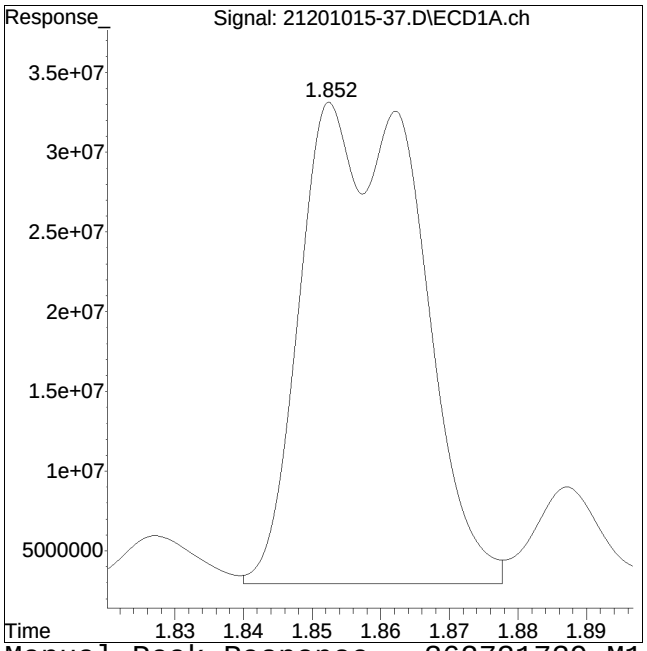


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-37.D Operator : pest21:kb
Date Inj'd : 10/15/2020 5:27 pm Instrument : Pest 21
Sample : cicv1248,42e,,10140 Quant Date : 11/11/2020 1:37 pm

Compound #35: 1248-1



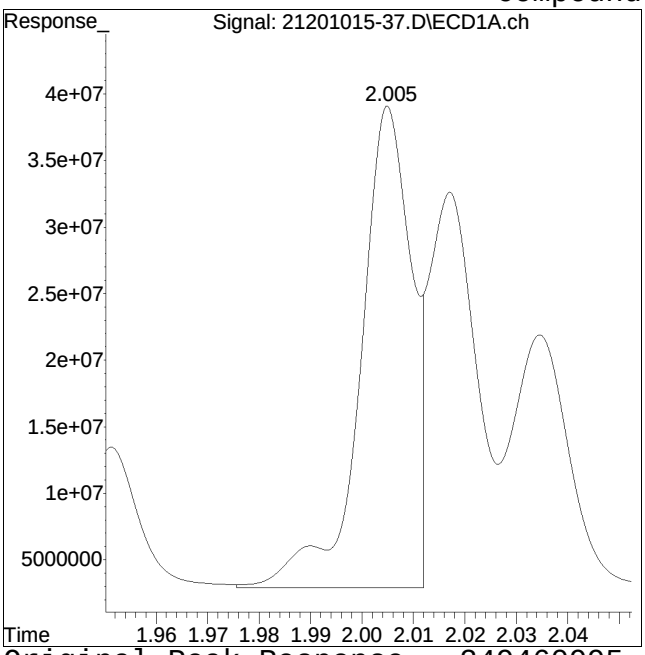


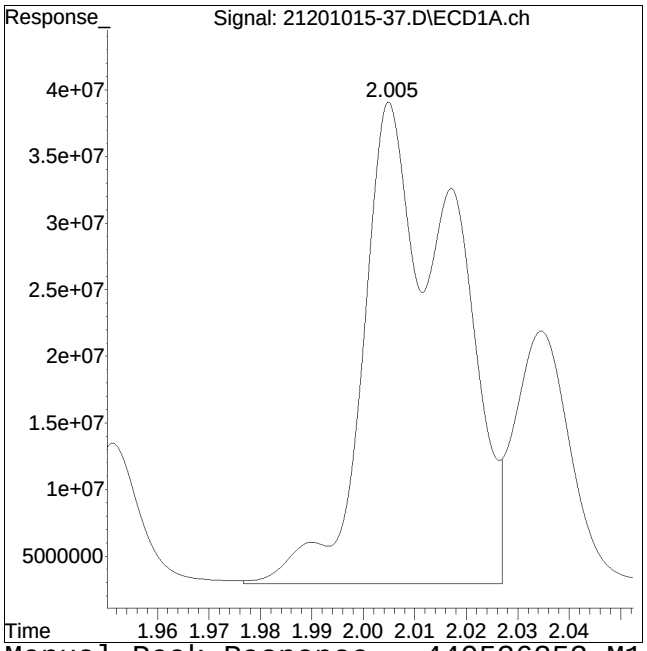
Original Peak Response = 174850260 Manual Peak Response = 362731739 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-37.D Operator : pest21:kb
Date Inj'd : 10/15/2020 5:27 pm Instrument : Pest 21
Sample : cicv1248,42e,,10140 Quant Date : 11/11/2020 1:37 pm

Compound #36: 1248-2





Original Peak Response = 249460995 Manual Peak Response = 440536253 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-38.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Oct 2020 05:34 pm
Operator : pest21:kb
Sample   : cicv2154,42e,,10138
Misc   : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 36   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:05 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:57 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	250.000	250.000	0.0	100	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	160.000	167.227	-4.5	111	0.00
3	s	Decachlorobiphenyl	320.000	323.848	-1.2	110	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	100	0.00
15	l3	1221-1	2500.000	2525.599	-1.0	108	0.00
16	l3	1221-2	2500.000	2463.226	1.5	105	0.00
17	l3	1221-3	2500.000	2583.081	-3.3	110	0.00
18	l4	1254-1	2500.000	2698.951	-8.0	114	0.00
19	l4	1254-2	2500.000	2772.524	-10.9	117	0.00
20	l4	1254-3	2500.000	2830.069	-13.2	118	0.00
21	l4	1254-4	2500.000	2784.820	-11.4	116	0.00
22	l4	1254-5	2500.000	2612.327	-4.5	110	0.00
23	i	4268_1br2nb	250.000	250.000	0.0	100	0.00
34	i	1248_1br2nb	250.000	250.000	0.0	102	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	109	0.00

Signal #2

1	i	1660_1br2nb	250.000	250.000	0.0	100	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	160.000	163.342	-2.1	108	0.00
3	s	Decachlorobiphenyl	320.000	326.922	-2.2	111	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	100	0.00
15	l3	1221-1	2500.000	2519.671	-0.8	107	0.00
16	l3	1221-2	2500.000	2797.568	-11.9	119	0.00
17	l3	1221-3	2500.000	2543.286	-1.7	108	0.00

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
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Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Oct 2020 05:34 pm
Operator : pest21:kb
Sample   : cicv2154,42e,,10138
Misc   : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 36   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:05 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:57 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
18	l4	1254-1	2500.000	2803.150	-12.1	120	0.00
19	l4	1254-2	2500.000	2648.129	-5.9	115	0.00
20	l4	1254-3	2500.000	2815.172	-12.6	119	0.00
21	l4	1254-4	2500.000	2833.253	-13.3	119	0.00
22	l4	1254-5	2500.000	2612.379	-4.5	111	0.00
23	i	4268_1br2nb	250.000	250.000	0.0	100	0.00
34	i	1248_1br2nb	250.000	250.000	0.0	101	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	108	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	2500.000	0.000	100.0#	0	-1.51#
5	l1	1016-2	2500.000	0.000	100.0#	0	-1.66#
6	l1	1016-3	2500.000	0.000	100.0#	0	-1.86#
7	l1	1016-4	2500.000	0.000	100.0#	0	-1.92#
8	l1	1016-5	2500.000	0.000	100.0#	0	-2.11#
9	l2	1260-1	2500.000	0.000	100.0#	0	-2.72#
10	l2	1260-2	2500.000	0.000	100.0#	0	-2.86#
11	l2	1260-3	2500.000	0.000	100.0#	0	-3.20#
12	l2	1260-4	2500.000	0.000	100.0#	0	-3.37#
13	l2	1260-5	2500.000	0.000	100.0#	0	-3.52#
24	l6	1242-1	2500.000	0.000	100.0#	0	-1.51#
25	l6	1242-2	2500.000	0.000	100.0#	0	-1.65#
26	l6	1242-3	2500.000	0.000	100.0#	0	-1.86#
27	l6	1242-4	2500.000	0.000	100.0#	0	-1.92#
28	l6	1242-5	2500.000	0.000	100.0#	0	-2.31#
29	l9	1268-1	2500.000	0.000	100.0#	0	-3.54#
30	l9	1268-2	2500.000	0.000	100.0#	0	-3.56#

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-38.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Oct 2020 05:34 pm
Operator : pest21:kb
Sample   : cicv2154,42e,,10138
Misc   : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 36   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:05 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:57 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
31	l9	1268-3	2500.000	0.000	100.0#	0	-3.67#
32	l9	1268-4	2500.000	0.000	100.0#	0	-3.87#
33	l9	1268-5	2500.000	0.000	100.0#	0	-4.03#
35	l7	1248-1	2500.000	0.000	100.0#	0	-1.85#
36	l7	1248-2	2500.000	0.000	100.0#	0	-2.00#
37	l7	1248-3	2500.000	0.000	100.0#	0	-2.11#
38	l7	1248-4	2500.000	0.000	100.0#	0	-2.31#
39	l7	1248-5	2500.000	0.000	100.0#	0	-2.33#
41	l5	1232-1	2500.000	0.000	100.0#	0	-1.51#
42	l5	1232-2	2500.000	0.000	100.0#	0	-1.65#
43	l5	1232-3	2500.000	0.000	100.0#	0	-1.86#
44	l5	1232-4	2500.000	0.000	100.0#	0	-1.92#
45	l5	1232-5	2500.000	0.000	100.0#	0	-2.31#
46	l8	1262-1	2500.000	0.000	100.0#	0	-2.86#
47	l8	1262-2	2500.000	0.000	100.0#	0	-3.06#
48	l8	1262-3	2500.000	0.000	100.0#	0	-3.20#
49	l8	1262-4	2500.000	0.000	100.0#	0	-3.37#
50	l8	1262-5	2500.000	0.000	100.0#	0	-3.87#

Signal #2

4	l1	1016-1	2500.000	0.000	100.0#	0	-1.75#
5	l1	1016-2	2500.000	0.000	100.0#	0	-1.95#
6	l1	1016-3	2500.000	0.000	100.0#	0	-2.17#
7	l1	1016-4	2500.000	0.000	100.0#	0	-2.24#
8	l1	1016-5	2500.000	0.000	100.0#	0	-2.48#
9	l2	1260-1	2500.000	0.000	100.0#	0	-3.15#
10	l2	1260-2	2500.000	0.000	100.0#	0	-3.26#
11	l2	1260-3	2500.000	0.000	100.0#	0	-3.68#
12	l2	1260-4	2500.000	0.000	100.0#	0	-3.82#
13	l2	1260-5	2500.000	0.000	100.0#	0	-4.03#

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-38.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Oct 2020 05:34 pm
Operator : pest21:kb
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Misc   : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 36   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:05 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:57 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
24 l6	1242-1	2500.000	0.000	100.0#	0	-1.75#
25 l6	1242-2	2500.000	0.000	100.0#	0	-1.94#
26 l6	1242-3	2500.000	0.000	100.0#	0	-2.17#
27 l6	1242-4	2500.000	0.000	100.0#	0	-2.24#
28 l6	1242-5	2500.000	0.000	100.0#	0	-2.67#
29 l9	1268-1	2500.000	0.000	100.0#	0	-4.02#
30 l9	1268-2	2500.000	0.000	100.0#	0	-4.05#
31 l9	1268-3	2500.000	0.000	100.0#	0	-4.20#
32 l9	1268-4	2500.000	0.000	100.0#	0	-4.36#
33 l9	1268-5	2500.000	0.000	100.0#	0	-4.55#
35 l7	1248-1	2500.000	0.000	100.0#	0	-2.16#
36 l7	1248-2	2500.000	0.000	100.0#	0	-2.33#
37 l7	1248-3	2500.000	0.000	100.0#	0	-2.48#
38 l7	1248-4	2500.000	0.000	100.0#	0	-2.67#
39 l7	1248-5	2500.000	0.000	100.0#	0	-2.70#
41 l5	1232-1	2500.000	0.000	100.0#	0	-1.75#
42 l5	1232-2	2500.000	0.000	100.0#	0	-1.94#
43 l5	1232-3	2500.000	0.000	100.0#	0	-2.17#
44 l5	1232-4	2500.000	0.000	100.0#	0	-2.24#
45 l5	1232-5	2500.000	0.000	100.0#	0	-2.67#
46 l8	1262-1	2500.000	0.000	100.0#	0	-3.26#
47 l8	1262-2	2500.000	0.000	100.0#	0	-3.51#
48 l8	1262-3	2500.000	0.000	100.0#	0	-3.68#
49 l8	1262-4	2500.000	0.000	100.0#	0	-3.82#
50 l8	1262-5	2500.000	0.000	100.0#	0	-4.36#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-38.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:34 pm
Operator : pest21:kb
Sample : cicv2154,42e,,10138
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:05 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:57 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.095	1.162	627.3E6	2558.8E6	250.000	250.000
14) i	2154_1br2nb	1.095	1.162	627.3E6	2558.8E6	250.000	250.000
23) i	4268_1br2nb	1.095	1.162	627.3E6	2558.8E6	250.000	250.000
34) i	1248_1br2nb	1.095	1.162	627.3E6	2558.8E6	250.000	250.000
40) i	3262_1br2nb	1.095	1.162	627.3E6	2558.8E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.369	1.536	672.5E6	2121.7E6	167.227	163.342
	Spiked Amount 500.000	Range 30 - 150		Recovery =		33.45%	32.67%
3) s	Decachlorobi	4.137	4.697	972.2E6	2882.7E6	323.848	326.922
	Spiked Amount 500.000	Range 30 - 150		Recovery =		64.77%	65.38%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	1.431	1.659	101.4E6	329.1E6	2525.599	2519.671
16) l3	1221-2	1.491	1.724	58019660	229.5E6	2463.226	2797.568
17) l3	1221-3	1.509	1.753	242.5E6	758.4E6	2583.081	2543.286

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
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Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:34 pm
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Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
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Quant Title : pcb
QLast Update : Wed Nov 11 13:37:57 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			401.8E6	1317.0E6	7571.906	7860.525
Average	1221-1					2523.969	2620.175
18) l4	1254-1	2.294	2.696	325.9E6	1210.1E6	2698.951	2803.150
19) l4	1254-2	2.420	2.794	583.6E6	1315.6E6	2772.524	2648.129
20) l4	1254-3	2.622	3.046	582.4E6	2065.7E6	2830.069	2815.172
21) l4	1254-4	2.765	3.168	437.2E6	1365.8E6	2784.820	2833.253
22) l4	1254-5	3.008	3.464	584.6E6	1852.1E6	2612.327	2612.379
Sum	1254-1			2513.8E6	7809.2E6	13698.691	13712.084
Average	1254-1					2739.738	2742.417
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

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Quant Title : pcb
QLast Update : Wed Nov 11 13:37:57 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

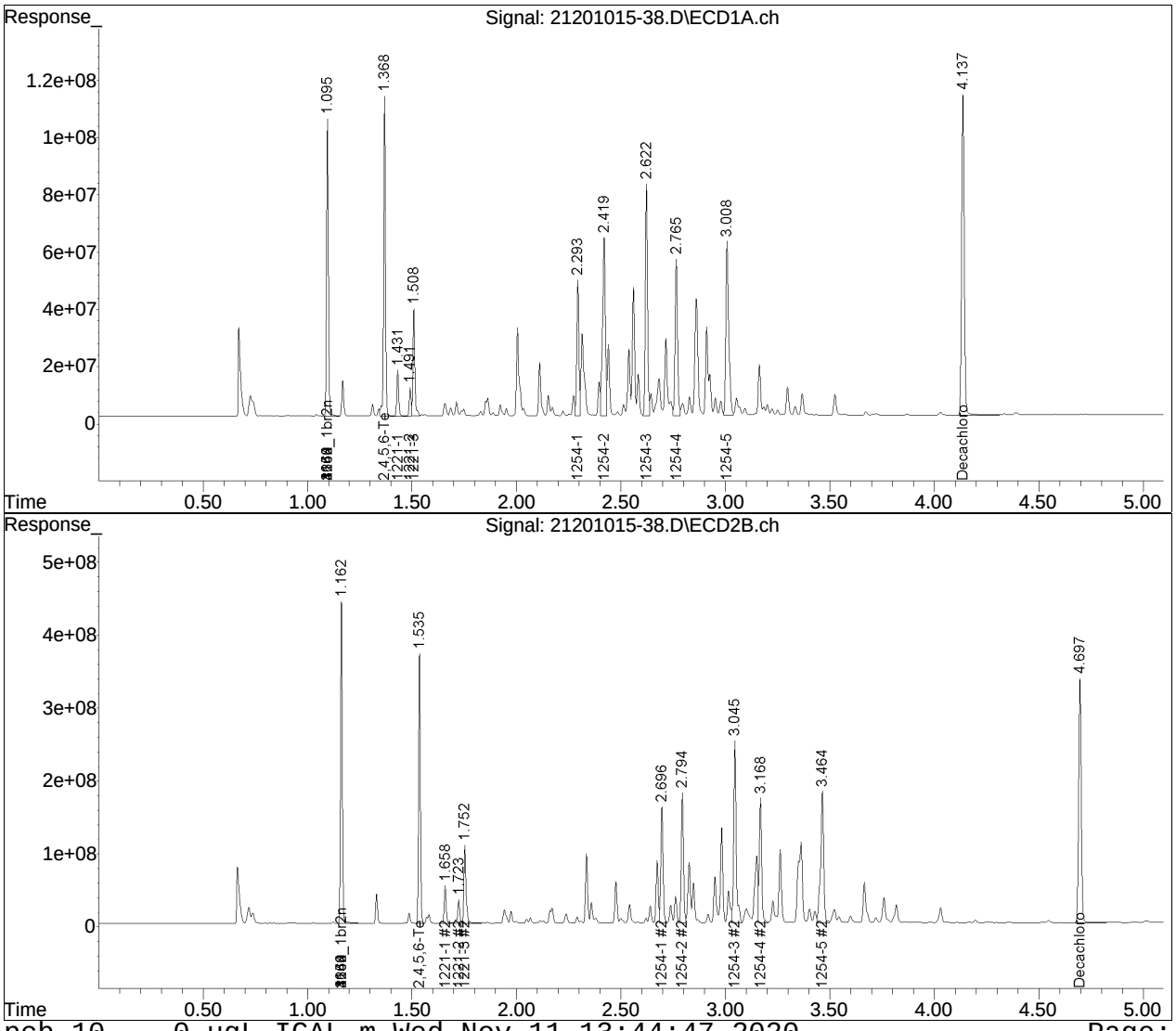
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-38.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:34 pm
Operator : pest21:kb
Sample : cicv2154,42e,,10138
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:05 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:37:57 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest21\data\2020\212010	QMethod	: P21_pcb_10_15_20_ugL_ICA
Data File	: 21201015-38.D	Operator	: pest21:kb
Date Inj'd	: 10/15/2020 5:34 pm	Instrument	: Pest 21
Sample	: cicv2154,42e,,10138	Quant Date	: 11/11/2020 1:37 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-39.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Oct 2020 05:41 pm
Operator : pest21:kb
Sample   : cicv1660,42e,,10137
Misc   : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 37   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:24 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:38:16 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	250.000	250.000	0.0	103	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	160.000	164.193	-2.6	113	0.00
3	s	Decachlorobiphenyl	320.000	324.406	-1.4	113	0.00
4	l1	1016-1	2500.000	2308.783	7.6	103	0.00
5	l1	1016-2	2500.000	2381.690	4.7	106	0.00
6	l1	1016-3	2500.000	2458.563	1.7	107	0.00
7	l1	1016-4	2500.000	2482.193	0.7	111	0.00
8	l1	1016-5	2500.000	2339.225	6.4	104	0.00
9	l2	1260-1	2500.000	2355.095	5.8	104	0.00
10	l2	1260-2	2500.000	2447.153	2.1	108	0.00
11	l2	1260-3	2500.000	2076.493	16.9#	91	0.00
12	l2	1260-4	2500.000	2071.904	17.1#	90	0.00
13	l2	1260-5	2500.000	2259.484	9.6	133	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	103	0.00
23	i	4268_1br2nb	250.000	250.000	0.0	103	0.00
34	i	1248_1br2nb	250.000	250.000	0.0	105	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	112	0.00

Signal #2

1	i	1660_1br2nb	250.000	250.000	0.0	103	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	160.000	161.877	-1.2	111	0.00
3	s	Decachlorobiphenyl	320.000	327.566	-2.4	115	0.00
4	l1	1016-1	2500.000	2215.986	11.4	102	0.00
5	l1	1016-2	2500.000	2485.426	0.6	113	0.00
6	l1	1016-3	2500.000	2435.968	2.6	108	0.00

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-39.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Oct 2020 05:41 pm
Operator : pest21:kb
Sample   : cicv1660,42e,,10137
Misc   : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 37   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:24 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:38:16 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
7	l1	1016-4	2500.000	2435.290	2.6	107	0.00
8	l1	1016-5	2500.000	2337.612	6.5	105	0.00
9	l2	1260-1	2500.000	2481.243	0.8	110	0.00
10	l2	1260-2	2500.000	2364.426	5.4	105	0.00
11	l2	1260-3	2500.000	2138.850	14.4	95	0.00
12	l2	1260-4	2500.000	2084.932	16.6#	91	0.00
13	l2	1260-5	2500.000	2145.857	14.2	95	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	103	0.00
23	i	4268_1br2nb	250.000	250.000	0.0	103	0.00
34	i	1248_1br2nb	250.000	250.000	0.0	104	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	111	0.00

Evaluate Continuing Calibration Report - Not Founds

15	l3	1221-1	2500.000	0.000	100.0#	0	-1.43#
16	l3	1221-2	2500.000	0.000	100.0#	0	-1.49#
17	l3	1221-3	2500.000	0.000	100.0#	0	-1.51#
18	l4	1254-1	2500.000	0.000	100.0#	0	-2.29#
19	l4	1254-2	2500.000	0.000	100.0#	0	-2.42#
20	l4	1254-3	2500.000	0.000	100.0#	0	-2.62#
21	l4	1254-4	2500.000	0.000	100.0#	0	-2.76#
22	l4	1254-5	2500.000	0.000	100.0#	0	-3.01#
24	l6	1242-1	2500.000	0.000	100.0#	0	-1.51#
25	l6	1242-2	2500.000	0.000	100.0#	0	-1.65#
26	l6	1242-3	2500.000	0.000	100.0#	0	-1.86#
27	l6	1242-4	2500.000	0.000	100.0#	0	-1.92#
28	l6	1242-5	2500.000	0.000	100.0#	0	-2.31#

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-39.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Oct 2020 05:41 pm
Operator : pest21:kb
Sample   : cicv1660,42e,,10137
Misc   : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 37   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:24 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:38:16 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
29	l9	1268-1	2500.000	0.000	100.0#	0	-3.54#
30	l9	1268-2	2500.000	0.000	100.0#	0	-3.56#
31	l9	1268-3	2500.000	0.000	100.0#	0	-3.67#
32	l9	1268-4	2500.000	0.000	100.0#	0	-3.87#
33	l9	1268-5	2500.000	0.000	100.0#	0	-4.03#
35	l7	1248-1	2500.000	0.000	100.0#	0	-1.85#
36	l7	1248-2	2500.000	0.000	100.0#	0	-2.00#
37	l7	1248-3	2500.000	0.000	100.0#	0	-2.11#
38	l7	1248-4	2500.000	0.000	100.0#	0	-2.31#
39	l7	1248-5	2500.000	0.000	100.0#	0	-2.33#
41	l5	1232-1	2500.000	0.000	100.0#	0	-1.51#
42	l5	1232-2	2500.000	0.000	100.0#	0	-1.65#
43	l5	1232-3	2500.000	0.000	100.0#	0	-1.86#
44	l5	1232-4	2500.000	0.000	100.0#	0	-1.92#
45	l5	1232-5	2500.000	0.000	100.0#	0	-2.31#
46	l8	1262-1	2500.000	0.000	100.0#	0	-2.86#
47	l8	1262-2	2500.000	0.000	100.0#	0	-3.06#
48	l8	1262-3	2500.000	0.000	100.0#	0	-3.20#
49	l8	1262-4	2500.000	0.000	100.0#	0	-3.37#
50	l8	1262-5	2500.000	0.000	100.0#	0	-3.87#

Signal #2

15	l3	1221-1	2500.000	0.000	100.0#	0	-1.66#
16	l3	1221-2	2500.000	0.000	100.0#	0	-1.72#
17	l3	1221-3	2500.000	0.000	100.0#	0	-1.75#
18	l4	1254-1	2500.000	0.000	100.0#	0	-2.69#
19	l4	1254-2	2500.000	0.000	100.0#	0	-2.79#
20	l4	1254-3	2500.000	0.000	100.0#	0	-3.04#
21	l4	1254-4	2500.000	0.000	100.0#	0	-3.17#
22	l4	1254-5	2500.000	0.000	100.0#	0	-3.46#

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-39.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 15 Oct 2020 05:41 pm
Operator : pest21:kb
Sample   : cicv1660,42e,,10137
Misc   : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 37   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:24 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:38:16 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
24 l6	1242-1	2500.000	0.000	100.0#	0	-1.75#
25 l6	1242-2	2500.000	0.000	100.0#	0	-1.94#
26 l6	1242-3	2500.000	0.000	100.0#	0	-2.17#
27 l6	1242-4	2500.000	0.000	100.0#	0	-2.24#
28 l6	1242-5	2500.000	0.000	100.0#	0	-2.67#
29 l9	1268-1	2500.000	0.000	100.0#	0	-4.02#
30 l9	1268-2	2500.000	0.000	100.0#	0	-4.05#
31 l9	1268-3	2500.000	0.000	100.0#	0	-4.20#
32 l9	1268-4	2500.000	0.000	100.0#	0	-4.36#
33 l9	1268-5	2500.000	0.000	100.0#	0	-4.55#
35 l7	1248-1	2500.000	0.000	100.0#	0	-2.16#
36 l7	1248-2	2500.000	0.000	100.0#	0	-2.33#
37 l7	1248-3	2500.000	0.000	100.0#	0	-2.48#
38 l7	1248-4	2500.000	0.000	100.0#	0	-2.67#
39 l7	1248-5	2500.000	0.000	100.0#	0	-2.70#
41 l5	1232-1	2500.000	0.000	100.0#	0	-1.75#
42 l5	1232-2	2500.000	0.000	100.0#	0	-1.94#
43 l5	1232-3	2500.000	0.000	100.0#	0	-2.17#
44 l5	1232-4	2500.000	0.000	100.0#	0	-2.24#
45 l5	1232-5	2500.000	0.000	100.0#	0	-2.67#
46 l8	1262-1	2500.000	0.000	100.0#	0	-3.26#
47 l8	1262-2	2500.000	0.000	100.0#	0	-3.51#
48 l8	1262-3	2500.000	0.000	100.0#	0	-3.68#
49 l8	1262-4	2500.000	0.000	100.0#	0	-3.82#
50 l8	1262-5	2500.000	0.000	100.0#	0	-4.36#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-39.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:41 pm
Operator : pest21:kb
Sample : cicv1660,42e,,10137
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:24 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:38:16 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.096	1.162	646.3E6	2637.8E6	250.000	250.000
14) i	2154_1br2nb	1.096	1.162	646.3E6	2637.8E6	250.000	250.000
23) i	4268_1br2nb	1.096	1.162	646.3E6	2637.8E6	250.000	250.000
34) i	1248_1br2nb	1.096	1.162	646.3E6	2637.8E6	250.000	250.000
40) i	3262_1br2nb	1.096	1.162	646.3E6	2637.8E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.369	1.536	680.3E6	2167.6E6	164.193	161.877
	Spiked Amount 500.000	Range 30 - 150		Recovery =		32.84%	32.38%
3) s	Decachlorobi	4.137	4.697	1003.4E6	2977.6E6	324.406	327.566
	Spiked Amount 500.000	Range 30 - 150		Recovery =		64.88%	65.51%
	Target Compounds						
4) l1	1016-1	1.509	1.753	163.4E6	507.4E6	2308.783	2215.986
5) l1	1016-2	1.657	1.945	355.4E6	1226.7E6	2381.690	2485.426
6) l1	1016-3	1.862	2.170	752.6E6	2456.3E6	2458.563	2435.968
7) l1	1016-4	1.922	2.238	317.1E6	967.1E6	2482.193	2435.290
8) l1	1016-5	2.111	2.476	314.7E6	749.5E6	2339.225	2337.612
	Sum 1016-1			1903.0E6	5907.0E6	11970.455	11910.282
	Average 1016-1					2394.091	2382.056
9) l2	1260-1	2.715	3.150	437.4E6	1513.9E6	2355.095	2481.243
10) l2	1260-2	2.859	3.262	686.8E6	1696.3E6	2447.153	2364.426
11) l2	1260-3	3.201	3.680	378.0E6	1292.9E6	2076.493	2138.850
12) l2	1260-4	3.368	3.819	812.2E6	2612.7E6	2071.904	2084.932
13) l2	1260-5	3.524	4.029	604.6E6	1844.5E6	2259.484M1	2145.857M3
	Sum 1260-1			2919.1E6	8960.2E6	11210.128	11215.307
	Average 1260-1					2242.026	2243.061
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-39.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:41 pm
Operator : pest21:kb
Sample : cicv1660,42e,,10137
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:24 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:38:16 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-39.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:41 pm
Operator : pest21:kb
Sample : cicv1660,42e,,10137
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:24 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:38:16 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

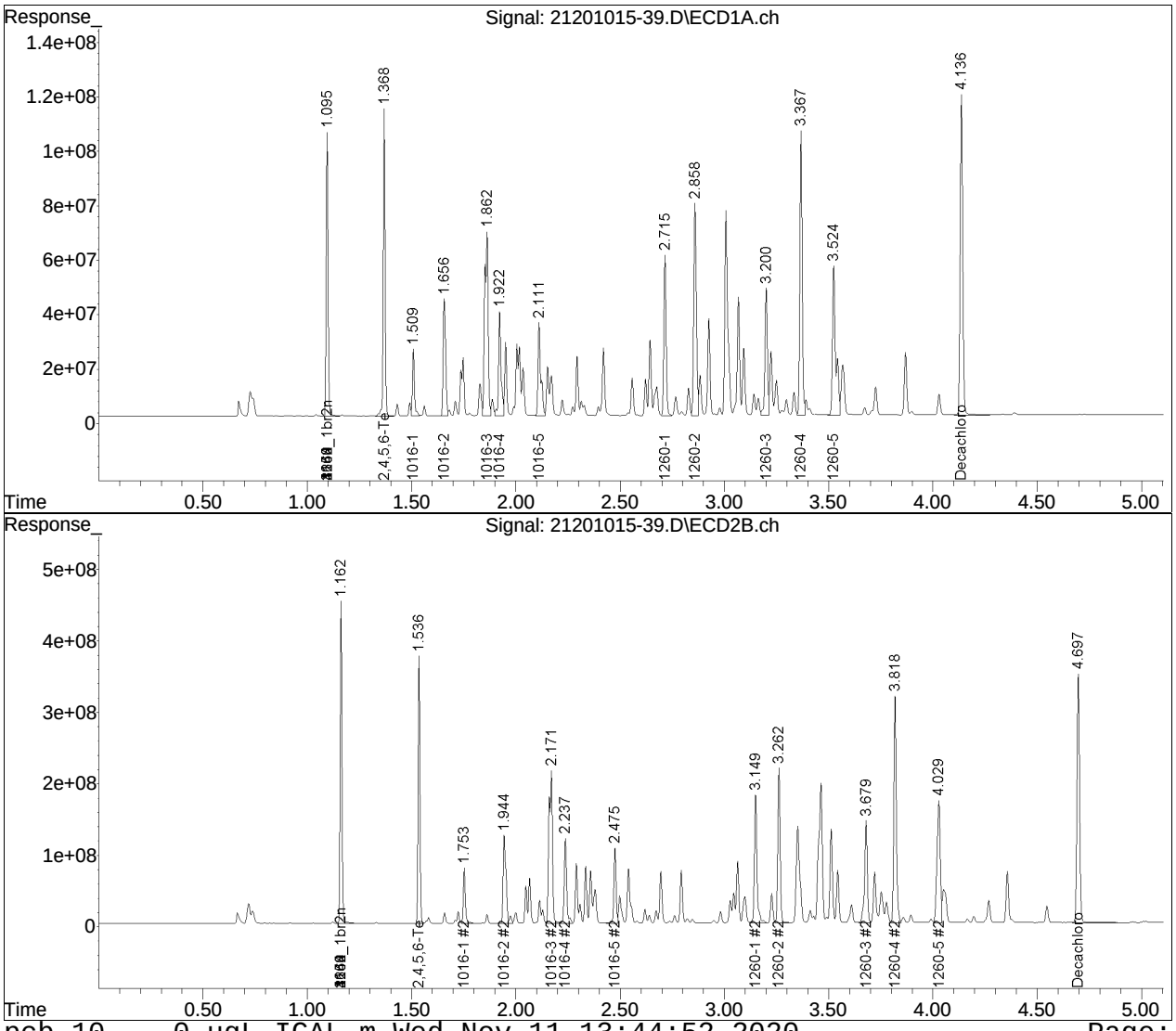
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-39.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2020 05:41 pm
Operator : pest21:kb
Sample : cicv1660,42e,,10137
Misc : WG1433147,, (Sig #1); (Sig #2)
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:24 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:38:16 2020
Response via : Initial Calibration
Integrator: ChemStation

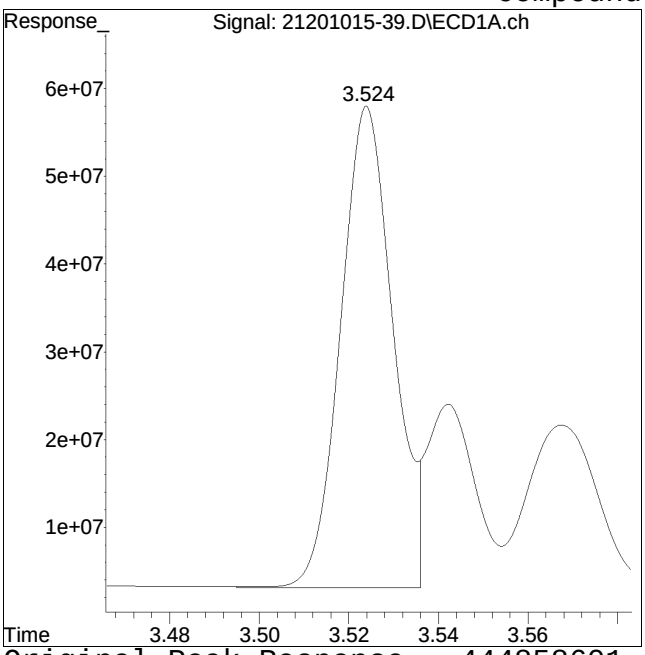
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

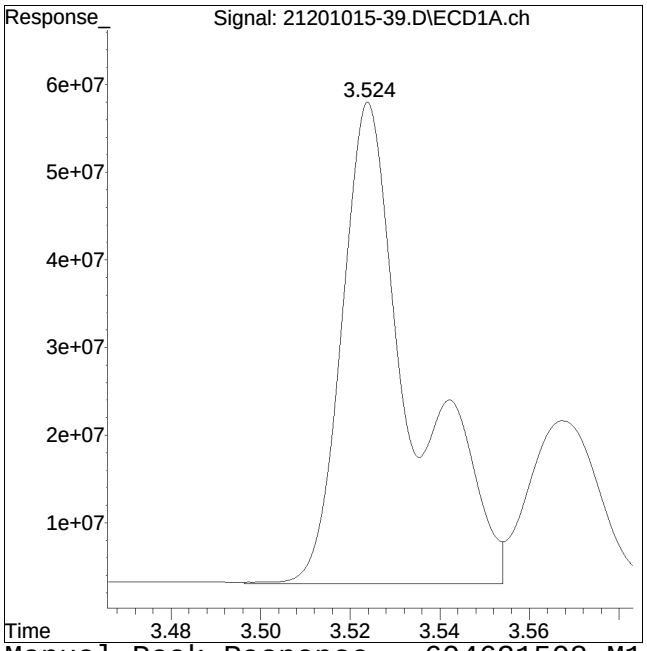


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-39.D Operator : pest21:kb
Date Inj'd : 10/15/2020 5:41 pm Instrument : Pest 21
Sample : cicv1660,42e,,10137 Quant Date : 11/11/2020 1:38 pm

Compound #13: 1260-5



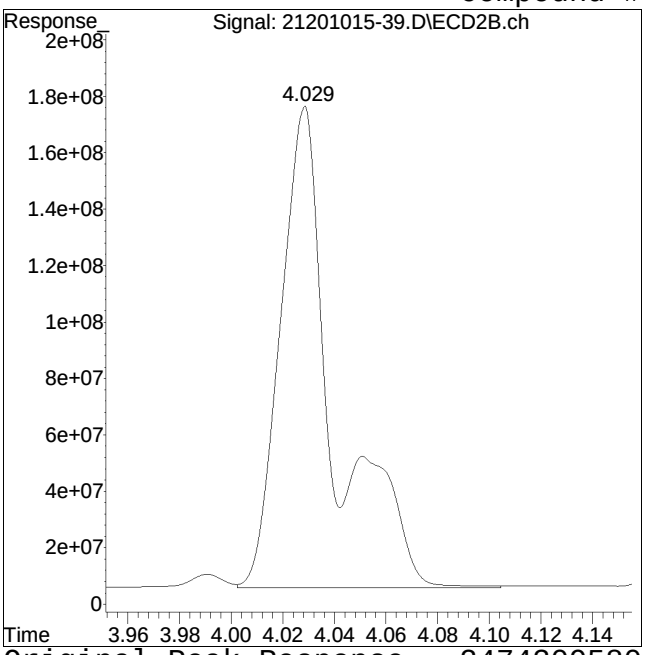


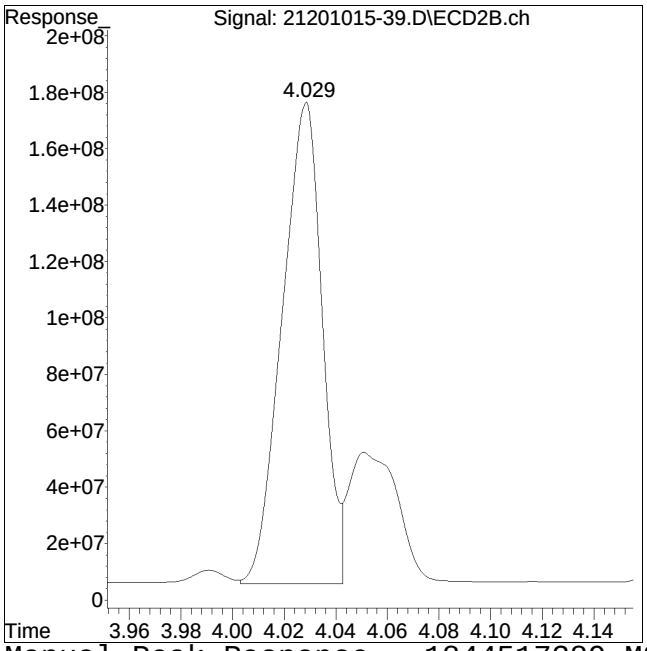
Original Peak Response = 444858601 Manual Peak Response = 604621508 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-39.D Operator : pest21:kb
Date Inj'd : 10/15/2020 5:41 pm Instrument : Pest 21
Sample : cicv1660,42e,,10137 Quant Date : 11/11/2020 1:38 pm

Compound #64: 1260-5 #2





Original Peak Response = 2474309580 Manual Peak Response = 1844517389 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-41.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 16 Oct 2020 01:20 pm
Operator : pest21:kb
Sample   : cicv4268,42e,,10159
Misc   : WG1433147,,
ALS Vial : 39   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:45 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:38:37 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	250.000	250.000	0.0	94	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	160.000	164.803	-3.0	103	0.00
3	s	Decachlorobiphenyl	320.000	519.456	-62.3#	166	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	94	0.00
23	i	4268_1br2nb	250.000	250.000	0.0	94	0.00
24	l6	1242-1	2500.000	2747.314	-9.9	108	0.00
25	l6	1242-2	2500.000	2488.461	0.5	97	0.00
26	l6	1242-3	2500.000	2635.635	-5.4	101	0.00
27	l6	1242-4	2500.000	2632.095	-5.3	101	0.00
28	l6	1242-5	2500.000	2598.240	-3.9	101	0.00
29	l9	1268-1	2500.000	2671.897	-6.9	102	0.00
30	l9	1268-2	2500.000	2624.557	-5.0	102	0.00
31	l9	1268-3	2500.000	2693.369	-7.7	103	0.00
32	l9	1268-4	2500.000	2614.623	-4.6	101	0.00
33	l9	1268-5	2500.000	2654.672	-6.2	101	0.00
34	i	1248_1br2nb	250.000	250.000	0.0	96	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	102	0.00

Signal #2

1	i	1660_1br2nb	250.000	250.000	0.0	100	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	160.000	154.262	3.6	103	0.00
3	s	Decachlorobiphenyl	320.000	480.209	-50.1#	164	0.00
14	i	2154_1br2nb	250.000	250.000	0.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-41.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 16 Oct 2020 01:20 pm
Operator : pest21:kb
Sample   : cicv4268,42e,,10159
Misc   : WG1433147,,
ALS Vial : 39   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:45 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:38:37 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
23	i	4268_1br2nb	250.000	250.000	0.0	100	0.00
24	l6	1242-1	2500.000	2484.438	0.6	105	0.00
25	l6	1242-2	2500.000	2489.752	0.4	106	0.00
26	l6	1242-3	2500.000	2564.706	-2.6	106	0.00
27	l6	1242-4	2500.000	2362.381	5.5	100	0.00
28	l6	1242-5	2500.000	2533.933	-1.4	106	0.00
29	l9	1268-1	2500.000	2477.958	0.9	101	0.00
30	l9	1268-2	2500.000	2520.985	-0.8	103	0.00
31	l9	1268-3	2500.000	2625.986	-5.0	107	0.00
32	l9	1268-4	2500.000	2516.028	-0.6	103	0.00
33	l9	1268-5	2500.000	2668.408	-6.7	104	0.00
34	i	1248_1br2nb	250.000	250.000	0.0	101	0.00
40	i	3262_1br2nb	250.000	250.000	0.0	108	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1	2500.000	0.000	100.0#	0	-1.51#
5	l1	1016-2	2500.000	0.000	100.0#	0	-1.66#
6	l1	1016-3	2500.000	0.000	100.0#	0	-1.86#
7	l1	1016-4	2500.000	0.000	100.0#	0	-1.92#
8	l1	1016-5	2500.000	0.000	100.0#	0	-2.11#
9	l2	1260-1	2500.000	0.000	100.0#	0	-2.72#
10	l2	1260-2	2500.000	0.000	100.0#	0	-2.86#
11	l2	1260-3	2500.000	0.000	100.0#	0	-3.20#
12	l2	1260-4	2500.000	0.000	100.0#	0	-3.37#
13	l2	1260-5	2500.000	0.000	100.0#	0	-3.52#
15	l3	1221-1	2500.000	0.000	100.0#	0	-1.43#
16	l3	1221-2	2500.000	0.000	100.0#	0	-1.49#
17	l3	1221-3	2500.000	0.000	100.0#	0	-1.51#

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-41.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 16 Oct 2020 01:20 pm
Operator : pest21:kb
Sample   : cicv4268,42e,,10159
Misc   : WG1433147,,
ALS Vial : 39   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:45 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:38:37 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
18	l4	1254-1	2500.000	0.000	100.0#	0	-2.29#
19	l4	1254-2	2500.000	0.000	100.0#	0	-2.42#
20	l4	1254-3	2500.000	0.000	100.0#	0	-2.62#
21	l4	1254-4	2500.000	0.000	100.0#	0	-2.76#
22	l4	1254-5	2500.000	0.000	100.0#	0	-3.01#
35	l7	1248-1	2500.000	0.000	100.0#	0	-1.85#
36	l7	1248-2	2500.000	0.000	100.0#	0	-2.00#
37	l7	1248-3	2500.000	0.000	100.0#	0	-2.11#
38	l7	1248-4	2500.000	0.000	100.0#	0	-2.31#
39	l7	1248-5	2500.000	0.000	100.0#	0	-2.33#
41	l5	1232-1	2500.000	0.000	100.0#	0	-1.51#
42	l5	1232-2	2500.000	0.000	100.0#	0	-1.65#
43	l5	1232-3	2500.000	0.000	100.0#	0	-1.86#
44	l5	1232-4	2500.000	0.000	100.0#	0	-1.92#
45	l5	1232-5	2500.000	0.000	100.0#	0	-2.31#
46	l8	1262-1	2500.000	0.000	100.0#	0	-2.86#
47	l8	1262-2	2500.000	0.000	100.0#	0	-3.06#
48	l8	1262-3	2500.000	0.000	100.0#	0	-3.20#
49	l8	1262-4	2500.000	0.000	100.0#	0	-3.37#
50	l8	1262-5	2500.000	0.000	100.0#	0	-3.87#

Signal #2

4	l1	1016-1	2500.000	0.000	100.0#	0	-1.75#
5	l1	1016-2	2500.000	0.000	100.0#	0	-1.95#
6	l1	1016-3	2500.000	0.000	100.0#	0	-2.17#
7	l1	1016-4	2500.000	0.000	100.0#	0	-2.24#
8	l1	1016-5	2500.000	0.000	100.0#	0	-2.48#
9	l2	1260-1	2500.000	0.000	100.0#	0	-3.15#
10	l2	1260-2	2500.000	0.000	100.0#	0	-3.26#
11	l2	1260-3	2500.000	0.000	100.0#	0	-3.68#

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-41.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 16 Oct 2020 01:20 pm
Operator : pest21:kb
Sample   : cicv4268,42e,,10159
Misc   : WG1433147,,
ALS Vial : 39   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:45 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:38:37 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
12 l2	1260-4	2500.000	0.000	100.0#	0	-3.82#
13 l2	1260-5	2500.000	0.000	100.0#	0	-4.03#
15 l3	1221-1	2500.000	0.000	100.0#	0	-1.66#
16 l3	1221-2	2500.000	0.000	100.0#	0	-1.72#
17 l3	1221-3	2500.000	0.000	100.0#	0	-1.75#
18 l4	1254-1	2500.000	0.000	100.0#	0	-2.69#
19 l4	1254-2	2500.000	0.000	100.0#	0	-2.79#
20 l4	1254-3	2500.000	0.000	100.0#	0	-3.04#
21 l4	1254-4	2500.000	0.000	100.0#	0	-3.17#
22 l4	1254-5	2500.000	0.000	100.0#	0	-3.46#
35 l7	1248-1	2500.000	0.000	100.0#	0	-2.16#
36 l7	1248-2	2500.000	0.000	100.0#	0	-2.33#
37 l7	1248-3	2500.000	0.000	100.0#	0	-2.48#
38 l7	1248-4	2500.000	0.000	100.0#	0	-2.67#
39 l7	1248-5	2500.000	0.000	100.0#	0	-2.70#
41 l5	1232-1	2500.000	0.000	100.0#	0	-1.75#
42 l5	1232-2	2500.000	0.000	100.0#	0	-1.94#
43 l5	1232-3	2500.000	0.000	100.0#	0	-2.17#
44 l5	1232-4	2500.000	0.000	100.0#	0	-2.24#
45 l5	1232-5	2500.000	0.000	100.0#	0	-2.67#
46 l8	1262-1	2500.000	0.000	100.0#	0	-3.26#
47 l8	1262-2	2500.000	0.000	100.0#	0	-3.51#
48 l8	1262-3	2500.000	0.000	100.0#	0	-3.68#
49 l8	1262-4	2500.000	0.000	100.0#	0	-3.82#
50 l8	1262-5	2500.000	0.000	100.0#	0	-4.36#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-41.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 01:20 pm
Operator : pest21:kb
Sample : cicv4268,42e,,10159
Misc : WG1433147,,
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:45 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:38:37 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.097	1.163	589.5E6	2572.0E6	250.000	250.000
14) i	2154_1br2nb	1.097	1.163	589.5E6	2572.0E6	250.000	250.000
23) i	4268_1br2nb	1.097	1.163	589.5E6	2572.0E6	250.000	250.000
34) i	1248_1br2nb	1.097	1.163	589.5E6	2572.0E6	250.000	250.000
40) i	3262_1br2nb	1.097	1.163	589.5E6	2572.0E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.371	1.537	622.8E6	2014.1E6	164.803	154.262
	Spiked Amount	500.000	Range 30 - 150		Recovery =	32.96%	30.85%
3) s	Decachlorobi	4.145	4.703	1465.5E6	4256.3E6	519.456	480.209
	Spiked Amount	500.000	Range 30 - 150		Recovery =	103.89%	96.04%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-41.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 01:20 pm
Operator : pest21:kb
Sample : cicv4268,42e,,10159
Misc : WG1433147,,
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:45 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:38:37 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.511	1.754	137.2E6	418.1E6	2747.314	2484.438
25) l6	1242-2	1.660	1.945	279.5E6	919.3E6	2488.461	2489.752
26) l6	1242-3	1.865	2.172	577.8E6	1912.1E6	2635.635M1	2564.706
27) l6	1242-4	1.926	2.239	245.7E6	714.6E6	2632.095	2362.381
28) l6	1242-5	2.318	2.674	185.4E6	615.3E6	2598.240	2533.933
Sum	1242-1			1425.5E6	4579.5E6	13101.745	12435.211
Average	1242-1					2620.349	2487.042
29) l9	1268-1	3.550	4.025	1210.8E6	3632.3E6	2671.897	2477.958
30) l9	1268-2	3.572	4.053	1102.1E6	3311.6E6	2624.557	2520.985
31) l9	1268-3	3.680	4.199	944.4E6	2901.1E6	2693.369	2625.986
32) l9	1268-4	3.876	4.360	405.9E6	1231.4E6	2614.623	2516.028
33) l9	1268-5	4.037	4.551	2828.0E6	8572.3E6	2654.672	2668.408
Sum	1268-1			6491.2E6	19648.7E6	13259.118	12809.364
Average	1268-1					2651.824	2561.873
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-41.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 01:20 pm
Operator : pest21:kb
Sample : cicv4268,42e,,10159
Misc : WG1433147,,
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:45 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:38:37 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

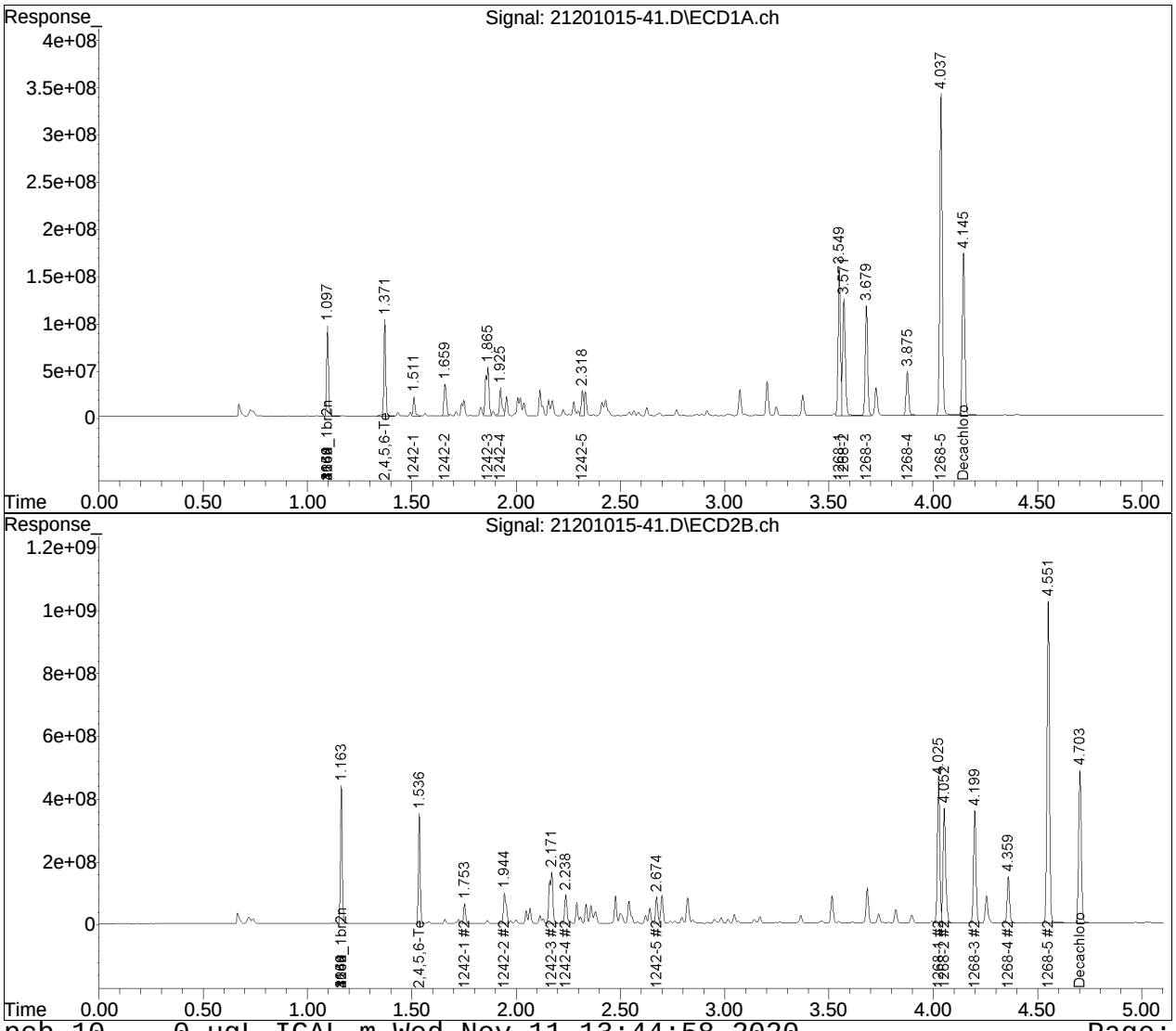
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest21\data\2020\21201015icalb\
Data File : 21201015-41.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Oct 2020 01:20 pm
Operator : pest21:kb
Sample : cicv4268,42e,,10159
Misc : WG1433147,,
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 11 13:38:45 2020
Quant Method : I:\Pest21\data\2020\21201015icalb\P21_pcb_10_15_20_ugL_ICAL.m
Quant Title : pcb
QLast Update : Wed Nov 11 13:38:37 2020
Response via : Initial Calibration
Integrator: ChemStation

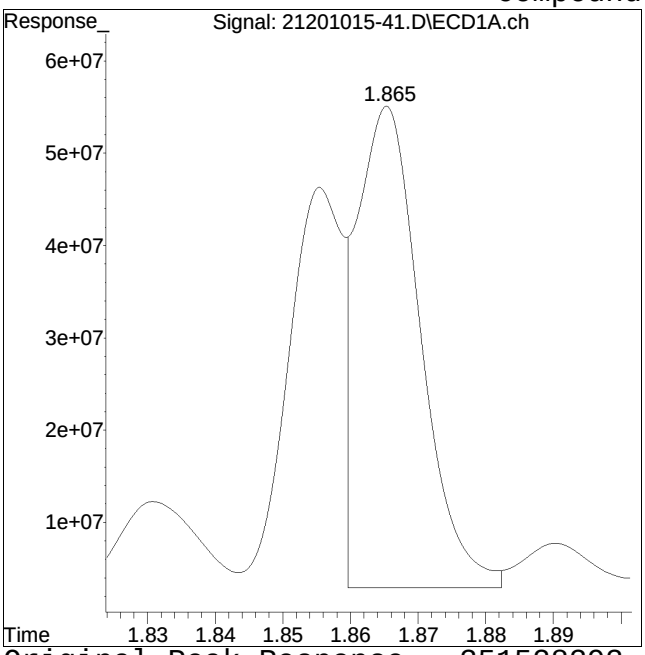
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

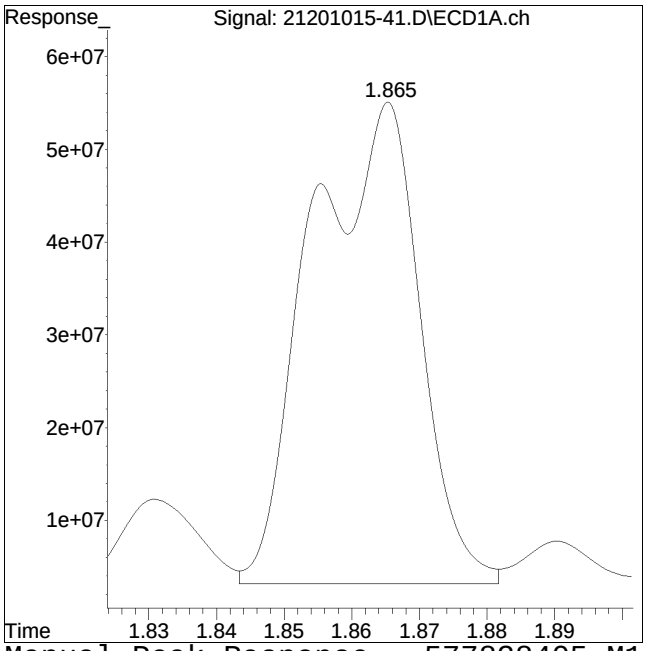


Manual Integration Report

Data Path : I:\Pest21\data\2020\212010QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201015-41.D Operator : pest21:kb
Date Inj'd : 10/16/2020 1:20 pm Instrument : Pest 21
Sample : cicv4268,42e,,10159 Quant Date : 11/11/2020 1:38 pm

Compound #26: 1242-3





Original Peak Response = 351528393 Manual Peak Response = 577838405 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Continuing Calibration

Calibration Verification Summary
Form 7
PCBs

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: PEST21	**Calibration Date**	: 12/02/20 08:52	
Lab File ID	: 21201202a-02	**Init. Calib. Date(s)**	: 10/15/20	10/15/20
Sample No	: WG1440203-1	**Init. Calib. Times**	: 13:28	17:06
Channel	: A			

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	15	108	0
2,4,5,6-Tetrachloro-m-xylen	160	143.119	-	10.6	15	103	0
Decachlorobiphenyl	320	274.33	-	14.3	15	101	-.02
1016-1	2500	2118.568	-	15.3*	15	99	-.01
1016-2	2500	2163.34	-	13.5	15	101	-.01
1016-3	2500	2180.436	-	12.8	15	100	-.01
1016-4	2500	2230.314	-	10.8	15	105	-.01
1016-5	2500	2123.669	-	15.1*	15	99	-.02
1260-1	2500	2145.828	-	14.2	15	100	-.02
1260-2	2500	2136.096	-	14.6	15	99	-.02
1260-3	2500	2154.347	-	13.8	15	100	-.02
1260-4	2500	2199.966	-	12	15	100	-.02
1260-5	2500	2257.245	-	9.7	15	140	-.02

* Value outside of QC limits.

Calibration Verification Summary
Form 7
PCBs

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: PEST21	**Calibration Date**	: 12/02/20 08:52	
Lab File ID	: 21201202a-02	**Init. Calib. Date(s)**	: 10/15/20	10/15/20
Sample No	: WG1440203-1	**Init. Calib. Times**	: 13:28	17:06
Channel	: B			

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	15	75	0
2,4,5,6-Tetrachloro-m-xylen	160	158.488	-	0.9	15	79	-.01
Decachlorobiphenyl #2	320	306.454	-	4.2	15	78	-.04
1016-1 #2	2500	2385.848	-	4.6	15	80	-.02
1016-2 #2	2500	2407.549	-	3.7	15	80	-.02
1016-3 #2	2500	2389.235	-	4.4	15	77	-.02
1016-4 #2	2500	2454.77	-	1.8	15	79	-.02
1016-5 #2	2500	2389.295	-	4.4	15	78	-.02
1260-1 #2	2500	2401.56	-	3.9	15	78	-.03
1260-2 #2	2500	2375.631	-	5	15	77	-.03
1260-3 #2	2500	2389.405	-	4.4	15	78	-.03
1260-4 #2	2500	2418.98	-	3.2	15	77	-.03
1260-5 #2	2500	2408.8	-	3.6	15	78	-.04

* Value outside of QC limits.

Calibration Verification Summary
Form 7
PCBs

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: PEST7	**Calibration Date**	: 12/04/20 08:39	
Lab File ID	: P7201204a-02	**Init. Calib. Date(s)**	: 06/10/20	06/11/20
Sample No	: WG1441136-1	**Init. Calib. Times**	: 19:51	23:55
Channel	: A			

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	250	250	-	0	20	72	-.01
2,4,5,6-Tetrachloro-m-xylen	160	174.181	-	-8.9	20	80	-.01
Decachlorobiphenyl	320	307.873	-	3.8	20	74	-.03
1016-1	2500	2374.072	-	5	20	73	-.02
1016-2	2500	2312.849	-	7.5	20	71	-.02
1016-3	2500	2404.281	-	3.8	20	73	-.02
1016-4	2500	2363.956	-	5.4	20	72	-.02
1016-5	2500	2309.704	-	7.6	20	70	-.02
1260-1	2500	2281.172	-	8.8	20	69	-.03
1260-2	2500	2275.872	-	9	20	68	-.03
1260-3	2500	2228.41	-	10.9	20	66	-.03
1260-4	2500	2357.492	-	5.7	20	69	-.03
1260-5	2500	2368.705	-	5.3	20	71	-.03

* Value outside of QC limits.

Calibration Verification Summary
Form 7
PCBs

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: PEST7	**Calibration Date**	: 12/04/20 08:39	
Lab File ID	: P7201204a-02	**Init. Calib. Date(s)**	: 06/10/20	06/11/20
Sample No	: WG1441136-1	**Init. Calib. Times**	: 19:51	23:55
Channel	: B			

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	250	250	-	0	20	99	-.01
2,4,5,6-Tetrachloro-m-xylen	160	175.066	-	-9.4	20	110	-.02
Decachlorobiphenyl #2	320	305.094	-	4.7	20	97	-.02
1016-1 #2	2500	2505.983	-	-0.2	20	105	-.02
1016-2 #2	2500	2520.807	-	-0.8	20	106	-.02
1016-3 #2	2500	2683.712	-	-7.3	20	110	-.02
1016-4 #2	2500	2620.209	-	-4.8	20	108	-.03
1016-5 #2	2500	2522.301	-	-0.9	20	104	-.03
1260-1 #2	2500	2480.809	-	0.8	20	102	-.03
1260-2 #2	2500	2449.123	-	2	20	100	-.02
1260-3 #2	2500	2387.808	-	4.5	20	97	-.02
1260-4 #2	2500	2477.023	-	0.9	20	99	-.02
1260-5 #2	2500	2508.084	-	-0.3	20	102	-.02

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201202a\
Data File : 21201202a-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Dec 2020 08:52 am
Operator : pest21:jm
Sample : wg1440203-1,42e,,+1016/1260 pp10171 (Sig #1); +1016/1260 pp10171 (Sig #2)
Misc : wg1440203,ical17343
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 12:27:50 2020
Quant Method : I:\Pest21\data\2020\21201202a\P21_pcb_10_15_20_ugL_ICAL17343...m
Quant Title : pcb
QLast Update : Wed Nov 11 13:36:50 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	250.000	250.000	0.0	108	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	160.000	143.119	10.6	103	0.00
3	s	Decachlorobiphenyl	320.000	274.330	14.3	101	-0.02
4	l1	1016-1	2500.000	2118.568	15.3#	99	-0.01
5	l1	1016-2	2500.000	2163.340	13.5	101	-0.01
6	l1	1016-3	2500.000	2180.436	12.8	100	-0.01
7	l1	1016-4	2500.000	2230.314	10.8	105	-0.01
8	l1	1016-5	2500.000	2123.669	15.1#	99	-0.02
9	l2	1260-1	2500.000	2145.828	14.2	100	-0.02
10	l2	1260-2	2500.000	2136.096	14.6	99	-0.02
11	l2	1260-3	2500.000	2154.347	13.8	100	-0.02
12	l2	1260-4	2500.000	2199.966	12.0	100	-0.02
13	l2	1260-5	2500.000	2257.245	9.7	140	-0.02
52	i	1660_1br2nb #2	250.000	250.000	0.0	75	0.00
53	s	2,4,5,6-Tetrachloro-m-xylen	160.000	158.488	0.9	79	-0.01
54	s	Decachlorobiphenyl #2	320.000	306.454	4.2	78	-0.04
55	l1	1016-1 #2	2500.000	2385.848	4.6	80	-0.02
56	l1	1016-2 #2	2500.000	2407.549	3.7	80	-0.02
57	l1	1016-3 #2	2500.000	2389.235	4.4	77	-0.02
58	l1	1016-4 #2	2500.000	2454.770	1.8	79	-0.02
59	l1	1016-5 #2	2500.000	2389.295	4.4	78	-0.02
60	l2	1260-1 #2	2500.000	2401.560	3.9	78	-0.03
61	l2	1260-2 #2	2500.000	2375.631	5.0	77	-0.03
62	l2	1260-3 #2	2500.000	2389.405	4.4	78	-0.03
63	l2	1260-4 #2	2500.000	2418.980	3.2	77	-0.03
64	l2	1260-5 #2	2500.000	2408.800	3.6	78	-0.04

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\Pest21\data\2020\21201202a\
Data File : 21201202a-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 02 Dec 2020 08:52 am
Operator : pest21:jm
Sample   : wg1440203-1,42e,,+1016/1260 pp10171 (Sig #1); +1016/1260 pp10171 (Sig #2)
Misc   : wg1440203,ical17343
ALS Vial : 2   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 12:27:50 2020
Quant Method : I:\Pest21\data\2020\21201202a\P21_pcb_10_15_20_ugL_ICAL17343...m
Quant Title : pcb
QLast Update : Wed Nov 11 13:36:50 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area% Dev(Min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201202a\
Data File : 21201202a-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Dec 2020 08:52 am
Operator : pest21:jm
Sample : wg1440203-1,42e,,+1016/1260 pp10171 (Sig #1); +1016/1260 pp10171 (Sig #2)
Misc : wg1440203,ical17343
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 12:27:50 2020
Quant Method : I:\Pest21\data\2020\21201202a\P21_pcb_10_15_20_ugL_ICAL17343...m
Quant Title : pcb
QLast Update : Wed Nov 11 13:36:50 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.092	1.155	679.7E6	1925.9E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.362	1.522	623.6E6	1549.5E6	143.119	158.488
	Spiked Amount 500.000	Range 30 - 150		Recovery =		28.62%#	31.70%
3) s	Decachlorobi	4.116	4.659f	892.3E6	2033.8E6	274.330	306.454
	Spiked Amount 500.000	Range 30 - 150		Recovery =		54.87%	61.29%
	Target Compounds						
4) l1	1016-1	1.499f	1.735f	157.6E6	398.8E6	2118.568M3	2385.848M2
5) l1	1016-2	1.646	1.924f	339.4E6	867.6E6	2163.340	2407.549M3
6) l1	1016-3	1.849	2.148f	701.9E6	1759.0E6	2180.436	2389.235
7) l1	1016-4	1.909	2.216f	299.6E6	711.7E6	2230.314	2454.770
8) l1	1016-5	2.096f	2.451f	300.4E6	559.3E6	2123.669	2389.295
	Sum 1016-1			1799.0E6	4296.4E6	10816.327	12026.697
	Average 1016-1					2163.265	2405.339
9) l2	1260-1	2.697f	3.121f	419.2E6	1069.8E6	2145.828	2401.560
10) l2	1260-2	2.840f	3.232f	630.4E6	1244.4E6	2136.096	2375.631
11) l2	1260-3	3.181f	3.647f	412.5E6	1054.5E6	2154.347	2389.405
12) l2	1260-4	3.348f	3.785f	906.9E6	2213.1E6	2199.966	2418.980
13) l2	1260-5	3.503f	3.994f	635.2E6	1511.7E6	2257.245M1	2408.800
	Sum 1260-1			3004.2E6	7093.5E6	10893.482	11994.376
	Average 1260-1					2178.696	2398.875
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000
	Sum 1254-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201202a\
Data File : 21201202a-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Dec 2020 08:52 am
Operator : pest21:jm
Sample : wg1440203-1,42e,,+1016/1260 pp10171 (Sig #1); +1016/1260 pp10171 (Sig #2)
Misc : wg1440203,ical17343
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 12:27:50 2020
Quant Method : I:\Pest21\data\2020\21201202a\P21_pcb_10_15_20_ugL_ICAL17343...m
Quant Title : pcb
QLast Update : Wed Nov 11 13:36:50 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

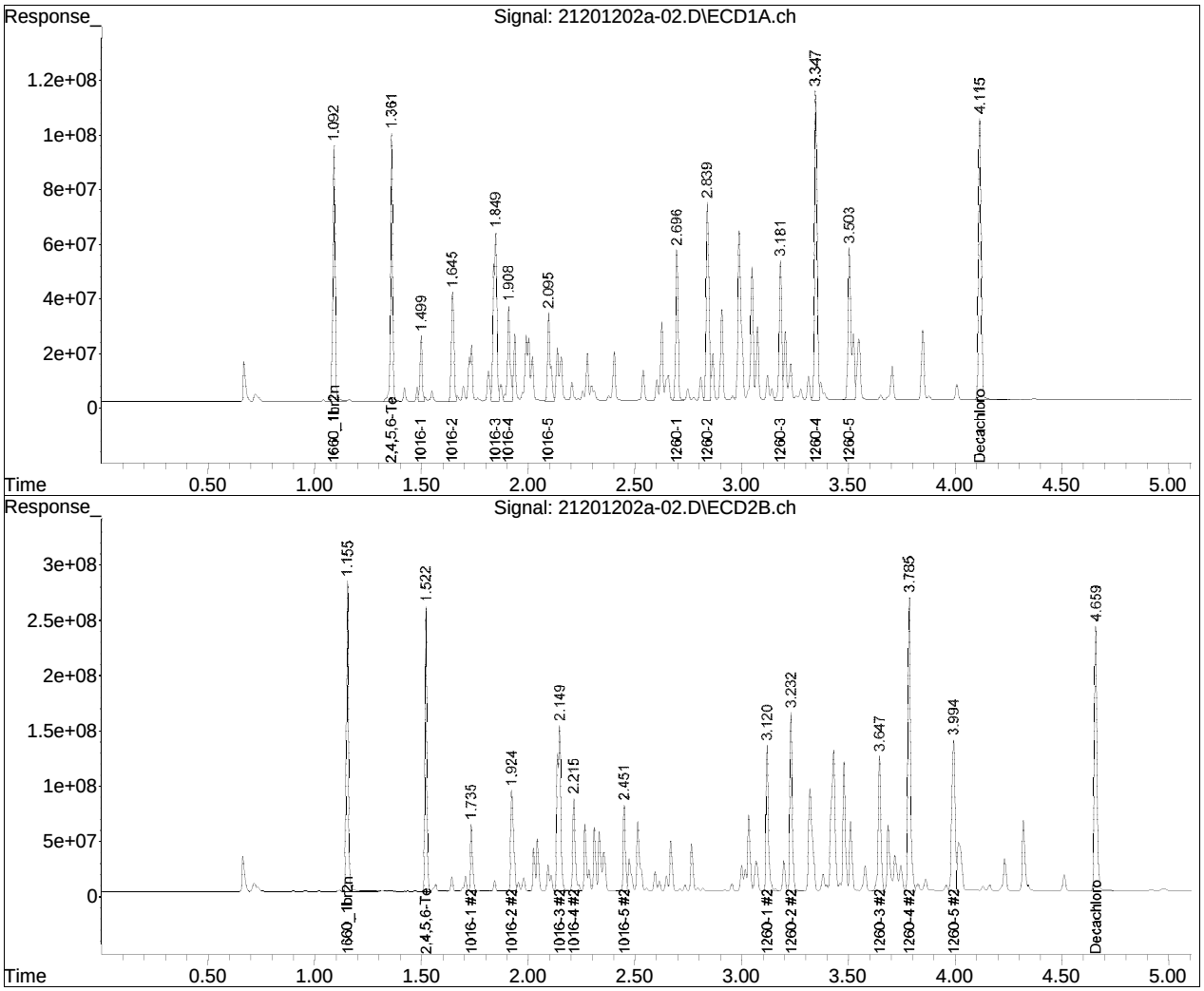
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660ation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201202a\
Data File : 21201202a-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Dec 2020 08:52 am
Operator : pest21:jm
Sample : wg1440203-1,42e,,+1016/1260 pp10171 (Sig #1); +1016/1260 pp10171 (
Misc : wg1440203,ical17343
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 12:27:50 2020
Quant Method : I:\Pest21\data\2020\21201202a\P21_pcb_10_15_20_ugL_ICAL17343
... .m
Quant Title : pcb
QLast Update : Wed Nov 11 13:36:50 2020
Response via : Initial Calibration
Integrator: ChemStation

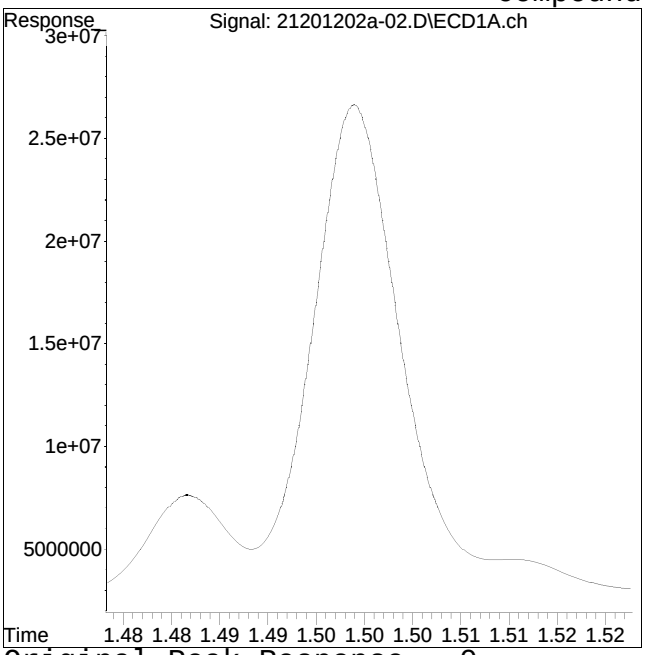
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

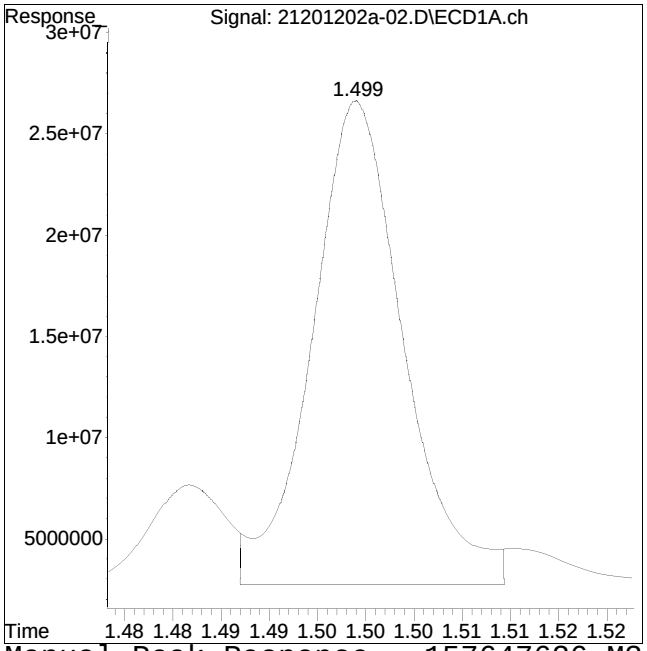


Manual Integration Report

Data Path : I:\Pest21\data\2020\212012QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201202a-02.D Operator : pest21:jm
Date Inj'd : 12/2/2020 8:52 am Instrument : Pest 21
Sample : wg1440203-1,42e,,+1016/126Quant Date : 12/2/2020 9:25 am

Compound #4: 1016-1



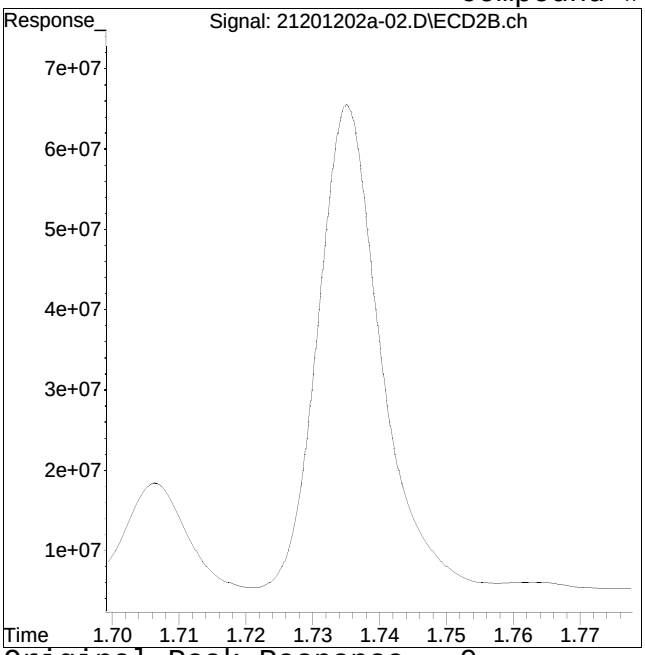


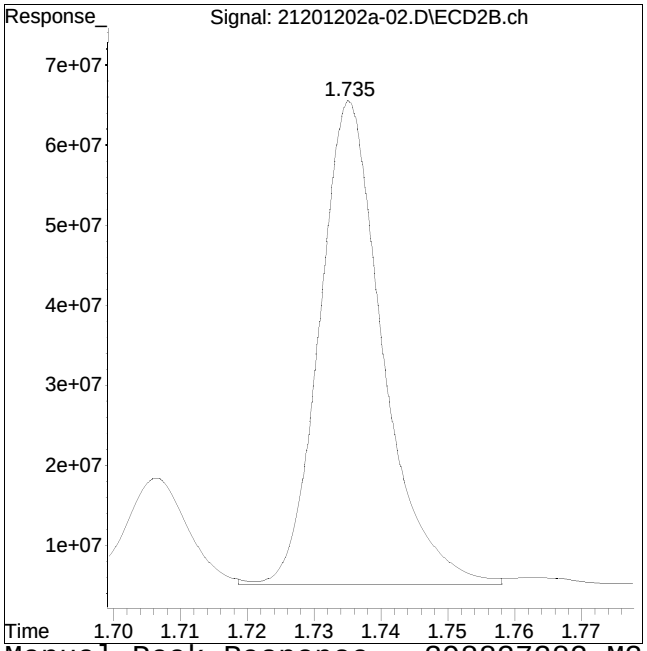
Original Peak Response = 0 Manual Peak Response = 157647626 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212012QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201202a-02.D Operator : pest21:jm
Date Inj'd : 12/2/2020 8:52 am Instrument : Pest 21
Sample : wg1440203-1,42e,,+1016/126Quant Date : 12/2/2020 9:25 am

Compound #55: 1016-1 #2



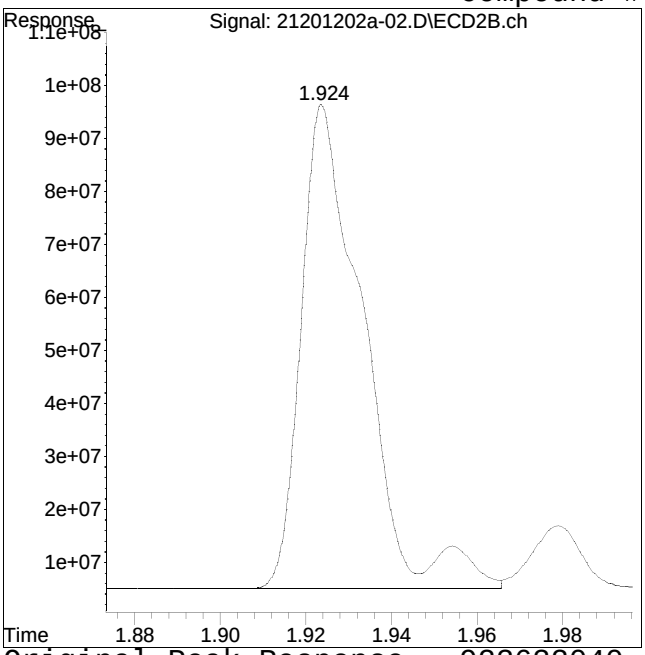


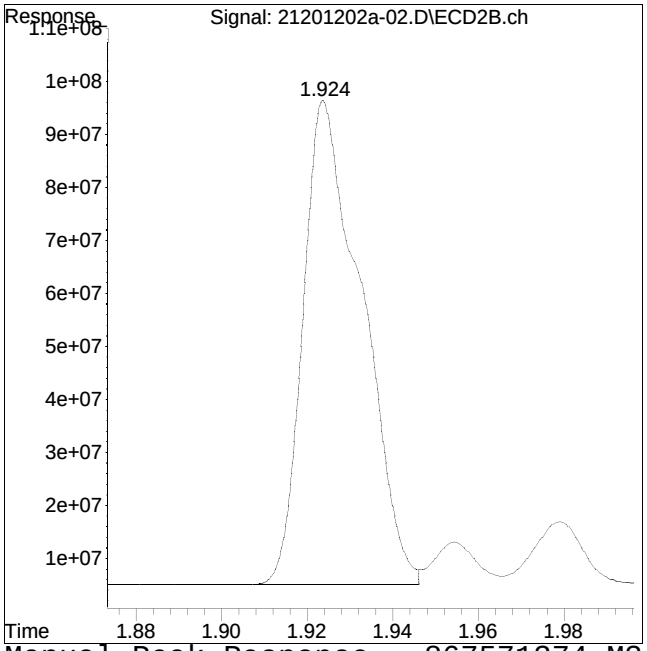
Original Peak Response = 0 Manual Peak Response = 398837282 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212012QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201202a-02.D Operator : pest21:jm
Date Inj'd : 12/2/2020 8:52 am Instrument : Pest 21
Sample : wg1440203-1,42e,,+1016/126Quant Date : 12/2/2020 9:25 am

Compound #56: 1016-2 #2



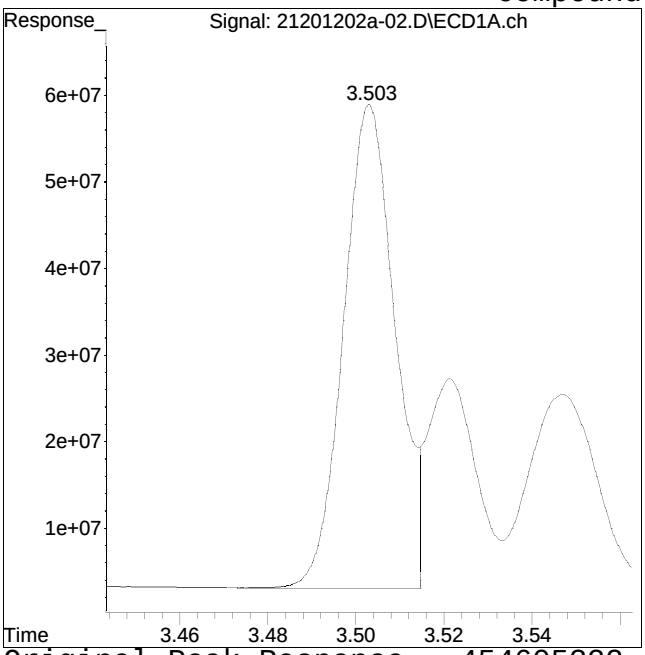


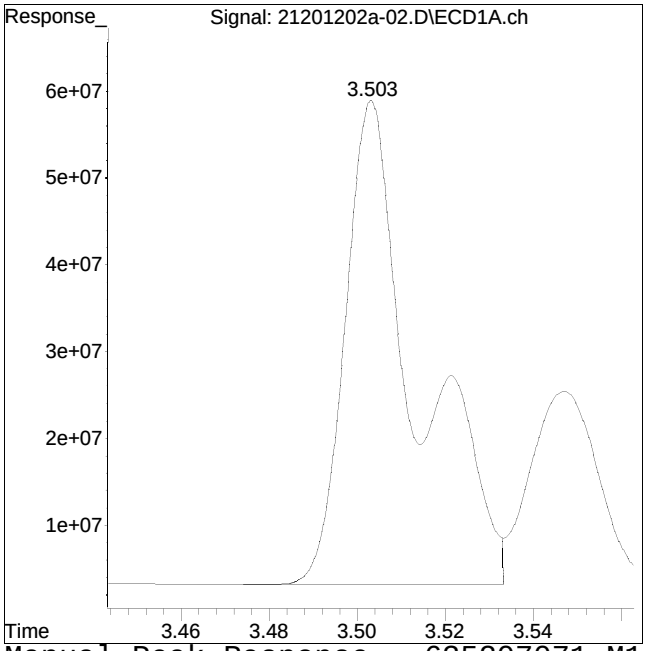
Original Peak Response = 923632040 Manual Peak Response = 867571374 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212012QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201202a-02.D Operator : pest21:jm
Date Inj'd : 12/2/2020 8:52 am Instrument : Pest 21
Sample : wg1440203-1,42e,,+1016/126Quant Date : 12/2/2020 9:25 am

Compound #13: 1260-5





Original Peak Response = 454605322 Manual Peak Response = 635207071 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\201204A\
Data File : P7201204a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 04 Dec 2020   8:39 am
Operator : pest7:cw
Sample   : wg1441136-1,42e,,+1660 pp10171 (Sig #1); +1660 pp10171 (Sig #2)
Misc   : wg1441136,ical16890
ALS Vial : 2 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 16:16:48 2020
Quant Method : I:\Pest7\201204A\P7_pcb_06_10_20_ugL_ICAL16890.m
Quant Title : pcb
QLast Update : Tue Oct 20 00:04:47 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	250.000	250.000	0.0	72	-0.01
2	s	2,4,5,6-Tetrachloro-m-xylen	160.000	174.181	-8.9	80	-0.01
3	s	Decachlorobiphenyl	320.000	307.873	3.8	74	-0.03
4	l1	1016-1	2500.000	2374.072	5.0	73	-0.02
5	l1	1016-2	2500.000	2312.849	7.5	71	-0.02
6	l1	1016-3	2500.000	2404.281	3.8	73	-0.02
7	l1	1016-4	2500.000	2363.956	5.4	72	-0.02
8	l1	1016-5	2500.000	2309.704	7.6	70	-0.02
9	l2	1260-1	2500.000	2281.172	8.8	69	-0.03
10	l2	1260-2	2500.000	2275.872	9.0	68	-0.03
11	l2	1260-3	2500.000	2228.410	10.9	66	-0.03
12	l2	1260-4	2500.000	2357.492	5.7	69	-0.03
13	l2	1260-5	2500.000	2368.705	5.3	71	-0.03
52	i	1660_1br2nb #2	250.000	250.000	0.0	99	-0.01
53	s	2,4,5,6-Tetrachloro-m-xylen	160.000	175.066	-9.4	110	-0.02
54	s	Decachlorobiphenyl #2	320.000	305.094	4.7	97	-0.02
55	l1	1016-1 #2	2500.000	2505.983	-0.2	105	-0.02
56	l1	1016-2 #2	2500.000	2520.807	-0.8	106	-0.02
57	l1	1016-3 #2	2500.000	2683.712	-7.3	110	-0.02
58	l1	1016-4 #2	2500.000	2620.209	-4.8	108	-0.03
59	l1	1016-5 #2	2500.000	2522.301	-0.9	104	-0.03
60	l2	1260-1 #2	2500.000	2480.809	0.8	102	-0.03
61	l2	1260-2 #2	2500.000	2449.123	2.0	100	-0.02
62	l2	1260-3 #2	2500.000	2387.808	4.5	97	-0.02
63	l2	1260-4 #2	2500.000	2477.023	0.9	99	-0.02
64	l2	1260-5 #2	2500.000	2508.084	-0.3	102	-0.02

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\Pest7\201204A\
Data File : P7201204a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 04 Dec 2020   8:39 am
Operator : pest7:cw
Sample   : wg1441136-1,42e,,+1660 pp10171 (Sig #1); +1660 pp10171 (Sig #2)
Misc   : wg1441136,ical16890
ALS Vial : 2 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 16:16:48 2020
Quant Method : I:\Pest7\201204A\P7_pcb_06_10_20_ugL_ICAL16890.m
Quant Title : pcb
QLast Update : Tue Oct 20 00:04:47 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area% Dev(Min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\201204A\
Data File : P7201204a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Dec 2020 8:39 am
Operator : pest7:cw
Sample : wg1441136-1,42e,,+1660 pp10171 (Sig #1); +1660 pp10171 (Sig #2)
Misc : wg1441136,ical16890
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 16:16:48 2020
Quant Method : I:\Pest7\201204A\P7_pcb_06_10_20_ugL_ICAL16890.m
Quant Title : pcb
QLast Update : Tue Oct 20 00:04:47 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.549	2.044	867.6E6	800.8E6	250.000M4	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	2.001	2.709	783.5E6	760.4E6	174.181	175.066
	Spiked Amount	500.000	Range 30 - 150		Recovery =	34.84%	35.01%
3) s	Decachlorobi	6.141	7.410	1239.9E6	1218.5E6	307.873	305.094M2
	Spiked Amount	500.000	Range 30 - 150		Recovery =	61.57%	61.02%
	Target Compounds						
4) l1	1016-1	2.220f	3.085f	203.9E6	203.6E6	2374.072M1	2505.983
5) l1	1016-2	2.443f	3.418f	434.2E6	456.4E6	2312.849	2520.807M1
6) l1	1016-3	2.753f	3.824f	923.9E6	962.0E6	2404.281M1	2683.712M1
7) l1	1016-4	2.844f	3.943f	378.3E6	365.6E6	2363.956	2620.209M4
8) l1	1016-5	3.140f	4.349f	405.2E6	294.9E6	2309.704M1	2522.301M4
	Sum 1016-1			2345.5E6	2282.6E6	11764.861	12853.011
	Average 1016-1					2352.972	2570.602
9) l2	1260-1	4.138f	5.393f	567.8E6	602.2E6	2281.172	2480.809M4
10) l2	1260-2	4.369f	5.551f	842.1E6	718.4E6	2275.872	2449.123M4
11) l2	1260-3	4.882f	6.122f	541.0E6	584.3E6	2228.410M4	2387.808M4
12) l2	1260-4	5.123f	6.301f	1178.8E6	1254.1E6	2357.492M4	2477.023M4
13) l2	1260-5	5.338f	6.573f	870.5E6	841.4E6	2368.705M1	2508.084
	Sum 1260-1			4000.2E6	4000.4E6	11511.651	12302.847
	Average 1260-1					2302.330	2460.569
	Sum 1221-2			0	0	N.D.	N.D.
	Average 1221-2					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest7\201204A\
Data File : P7201204a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Dec 2020 8:39 am
Operator : pest7:cw
Sample : wg1441136-1,42e,,+1660 pp10171 (Sig #1); +1660 pp10171 (Sig #2)
Misc : wg1441136,ical16890
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 16:16:48 2020
Quant Method : I:\Pest7\201204A\P7_pcb_06_10_20_ugL_ICAL16890.m
Quant Title : pcb
QLast Update : Tue Oct 20 00:04:47 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

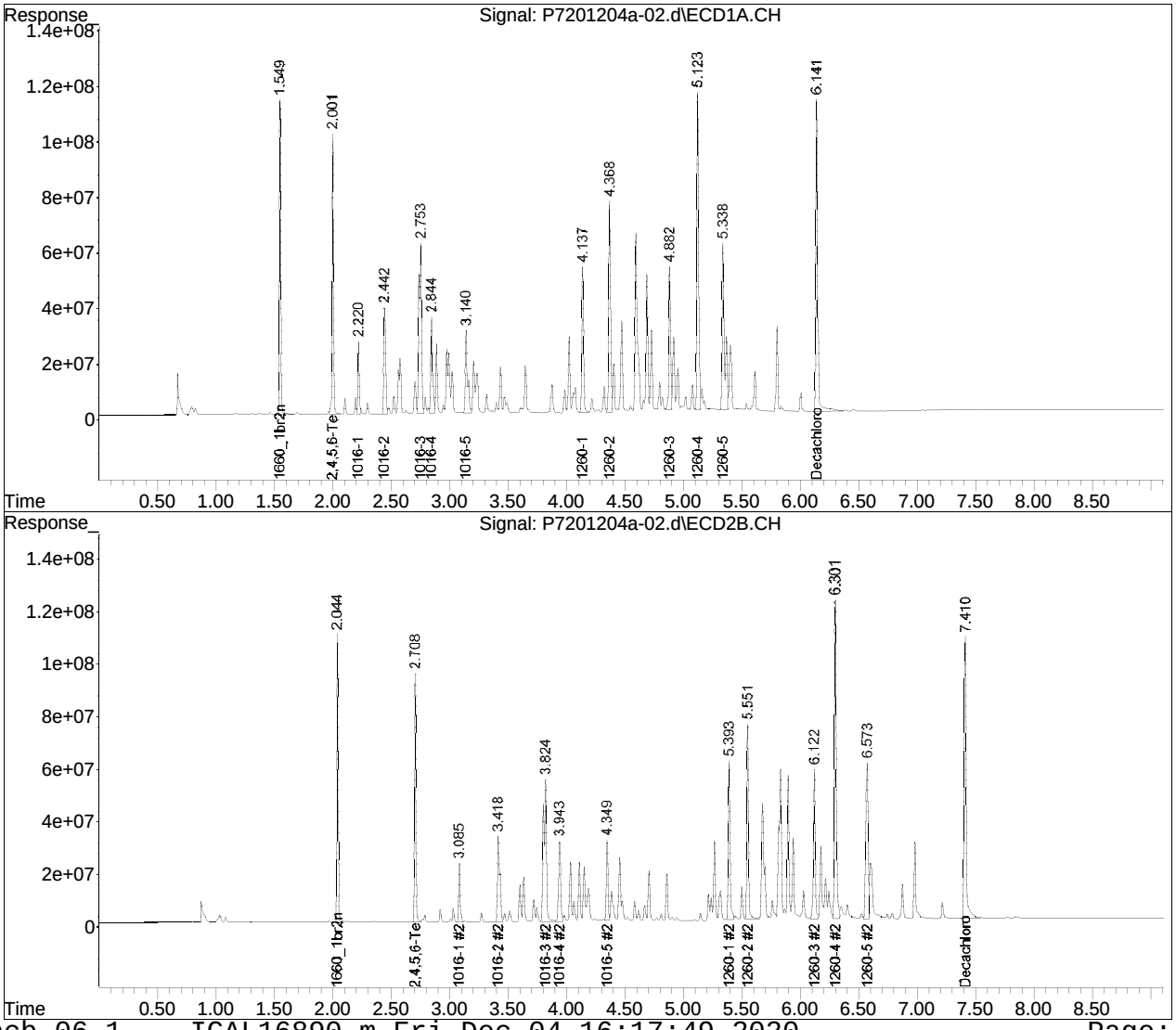
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660ation Report (QT Reviewed)

Data Path : I:\Pest7\201204A\
Data File : P7201204a-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Dec 2020 8:39 am
Operator : pest7:cw
Sample : wg1441136-1,42e,,+1660 pp10171 (Sig #1); +1660 pp10171 (Sig #2)
Misc : wg1441136,ical16890
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 04 16:16:48 2020
Quant Method : I:\Pest7\201204A\P7_pcb_06_10_20_ugL_ICAL16890.m
Quant Title : pcb
QLast Update : Tue Oct 20 00:04:47 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

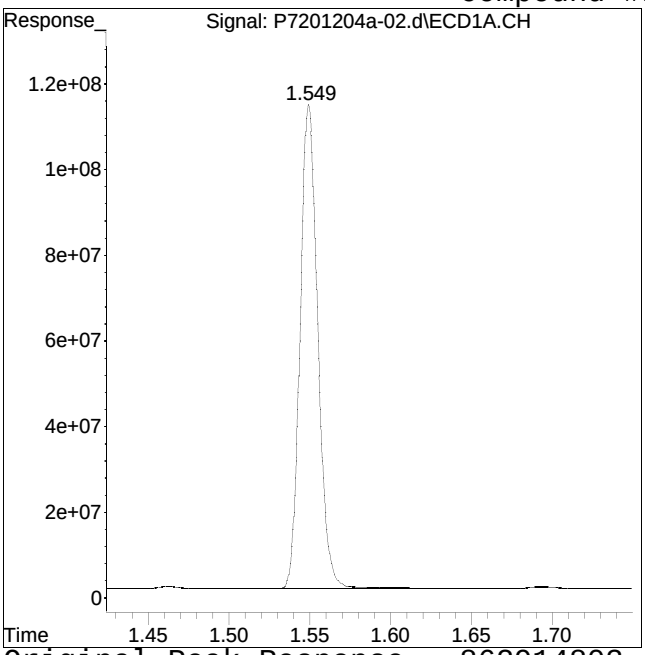
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

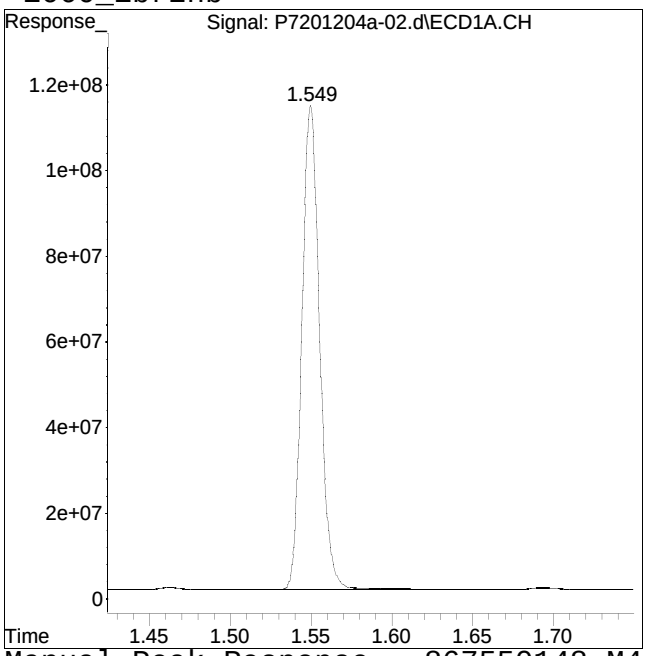


Manual Integration Report

Data Path : I:\Pest7\201204A\ QMethod : P7_pcb_06_10_20_ugL_ICAL
Data File : P7201204a-02.d Operator : pest7:cw
Date Inj'd : 12/4/2020 8:39 am Instrument : Pest 7
Sample : wg1441136-1,42e,,+1660 pp1 Quant Date : 12/4/2020 9:41 am

Compound #1: 1660_1br2nb



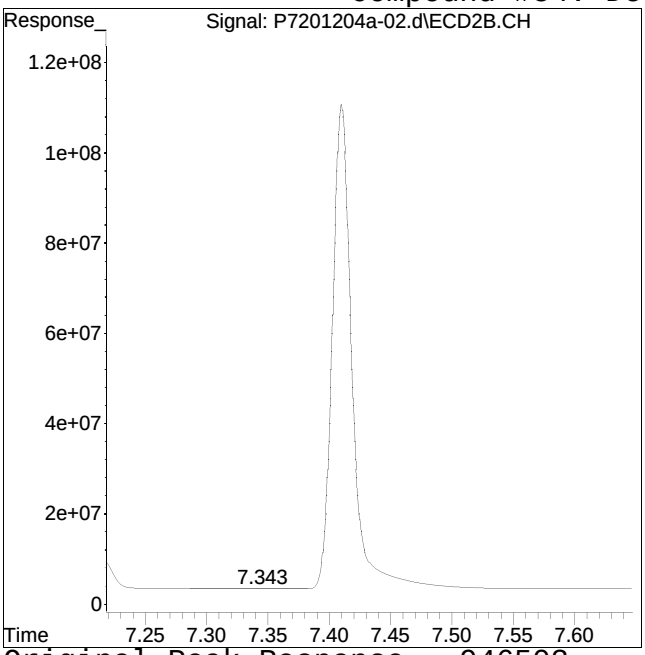


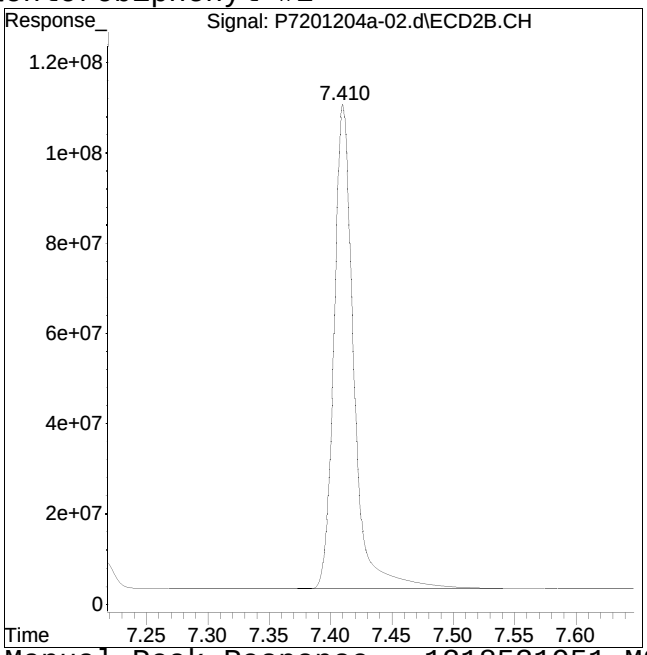
Original Peak Response = 862914803 Manual Peak Response = 867550148 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\201204A\ QMethod : P7_pcb_06_10_20_ugL_ICAL
Data File : P7201204a-02.d Operator : pest7:cw
Date Inj'd : 12/4/2020 8:39 am Instrument : Pest 7
Sample : wg1441136-1,42e,,+1660 pp1 Quant Date : 12/4/2020 9:41 am

Compound #54: Decachlorobiphenyl #2



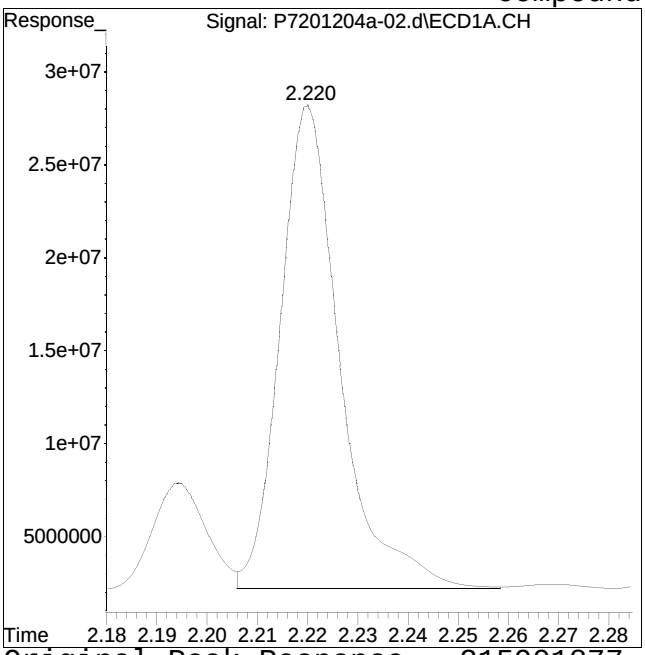


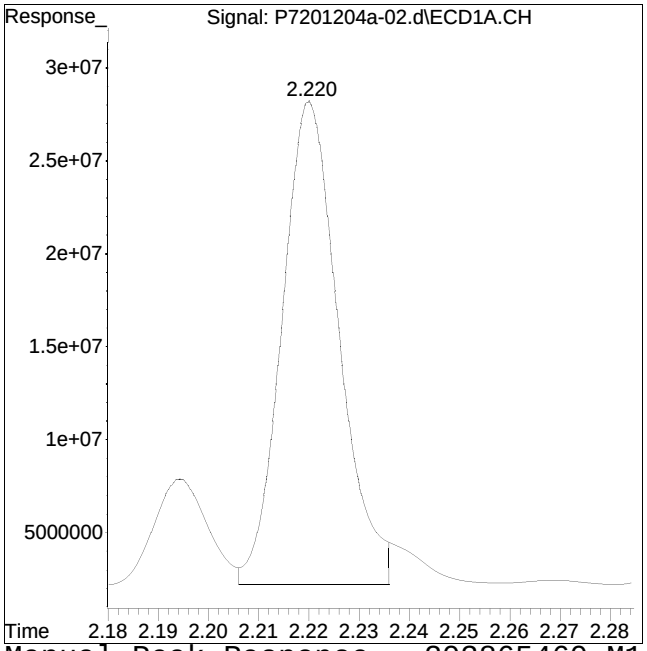
Original Peak Response = 946503 Manual Peak Response = 1218531951 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest7\201204A\ QMethod : P7_pcb_06_10_20_ugL_ICAL
Data File : P7201204a-02.d Operator : pest7:cw
Date Inj'd : 12/4/2020 8:39 am Instrument : Pest 7
Sample : wg1441136-1,42e,,+1660 pp1 Quant Date : 12/4/2020 9:41 am

Compound #4: 1016-1



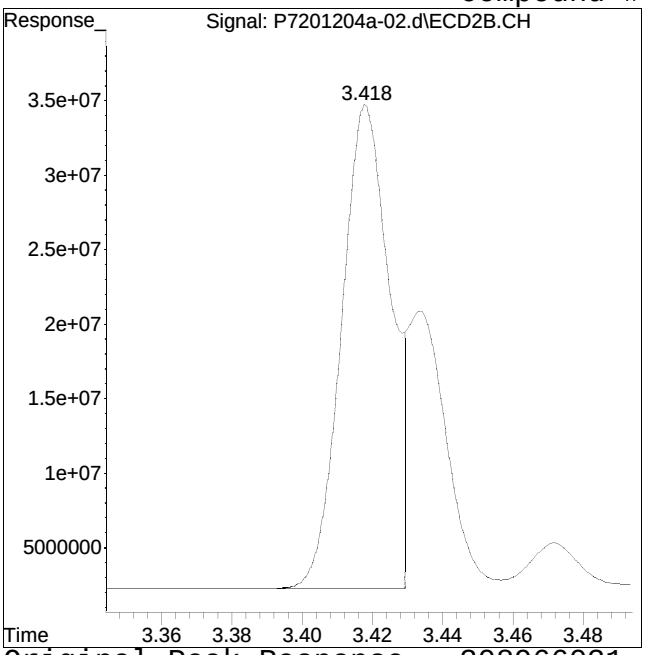


Original Peak Response = 215901877 Manual Peak Response = 203865460 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

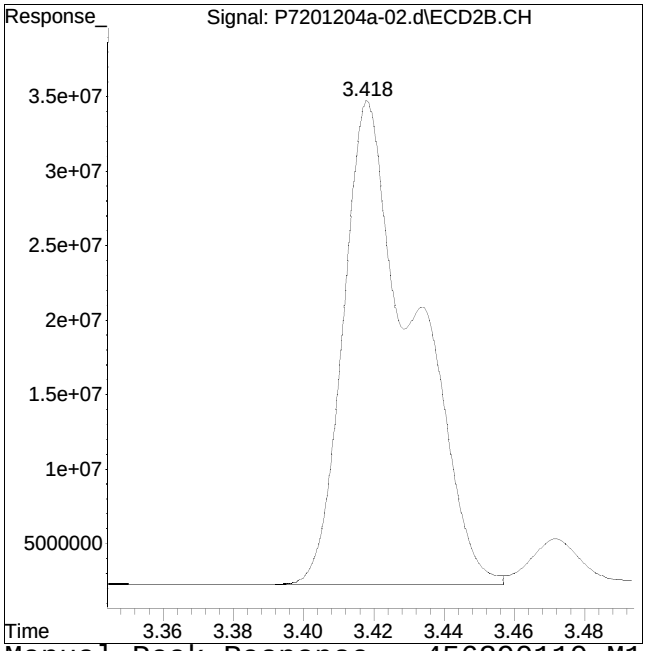
Manual Integration Report

Data Path : I:\Pest7\201204A\ QMethod : P7_pcb_06_10_20_ugL_ICAL
Data File : P7201204a-02.d Operator : pest7:cw
Date Inj'd : 12/4/2020 8:39 am Instrument : Pest 7
Sample : wg1441136-1,42e,,+1660 pp1 Quant Date : 12/4/2020 9:41 am

Compound #56: 1016-2 #2



Original Peak Response = 308966031



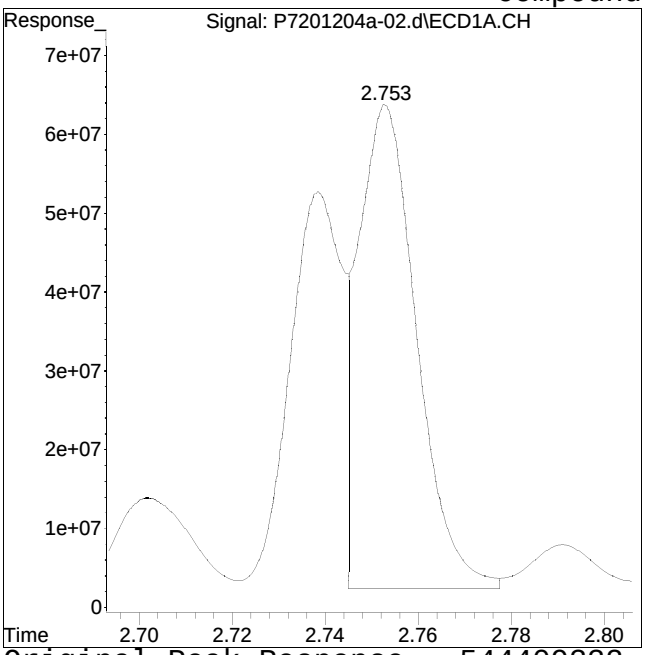
Manual Peak Response = 456390110 M1

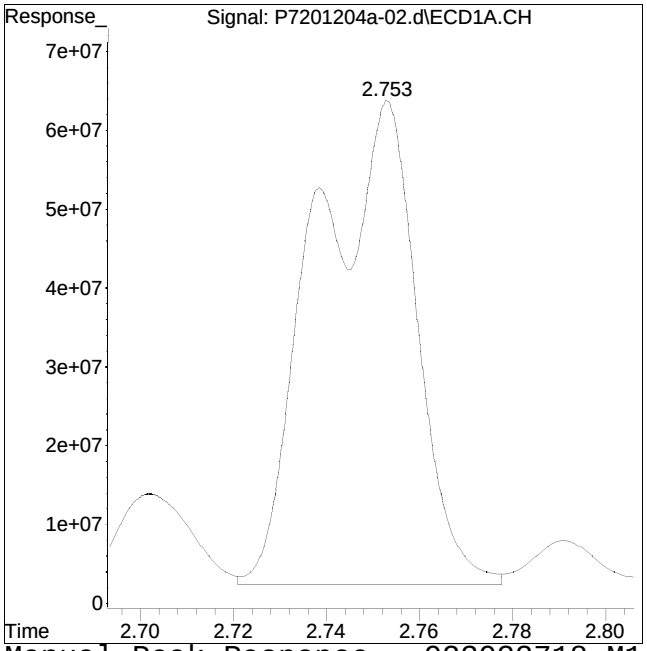
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\201204A\ QMethod : P7_pcb_06_10_20_ugL_ICAL
Data File : P7201204a-02.d Operator : pest7:cw
Date Inj'd : 12/4/2020 8:39 am Instrument : Pest 7
Sample : wg1441136-1,42e,,+1660 pp1 Quant Date : 12/4/2020 9:41 am

Compound #6: 1016-3



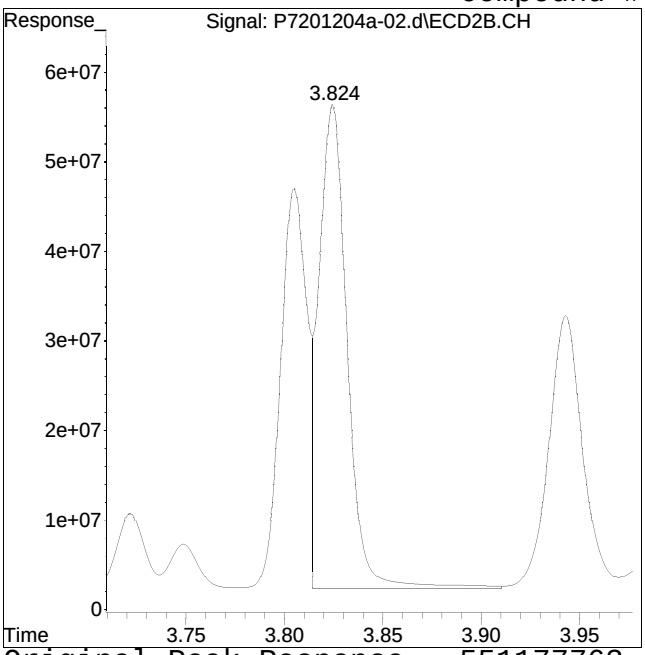


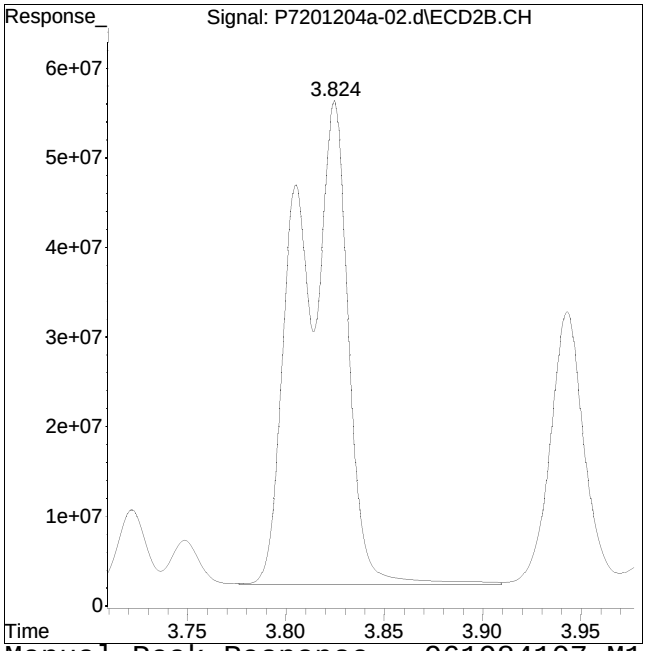
Original Peak Response = 544409332 Manual Peak Response = 923933718 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\201204A\ QMethod : P7_pcb_06_10_20_ugL_ICAL
Data File : P7201204a-02.d Operator : pest7:cw
Date Inj'd : 12/4/2020 8:39 am Instrument : Pest 7
Sample : wg1441136-1,42e,,+1660 pp1 Quant Date : 12/4/2020 9:41 am

Compound #57: 1016-3 #2



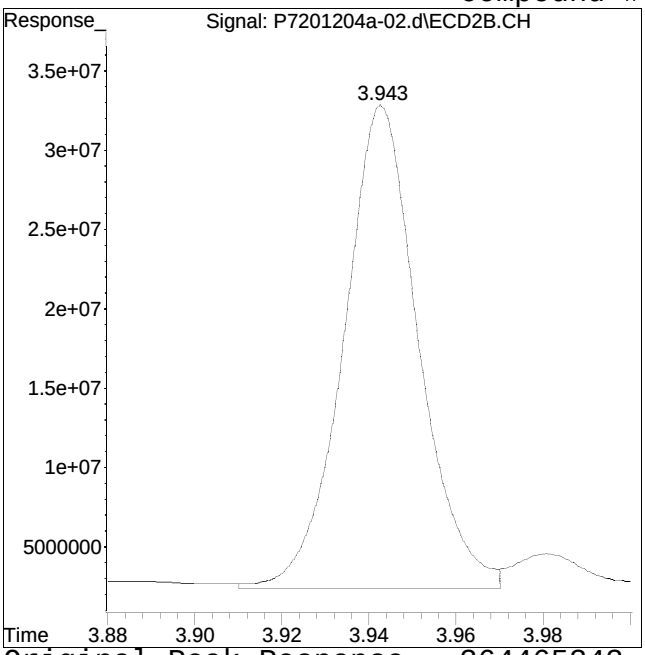


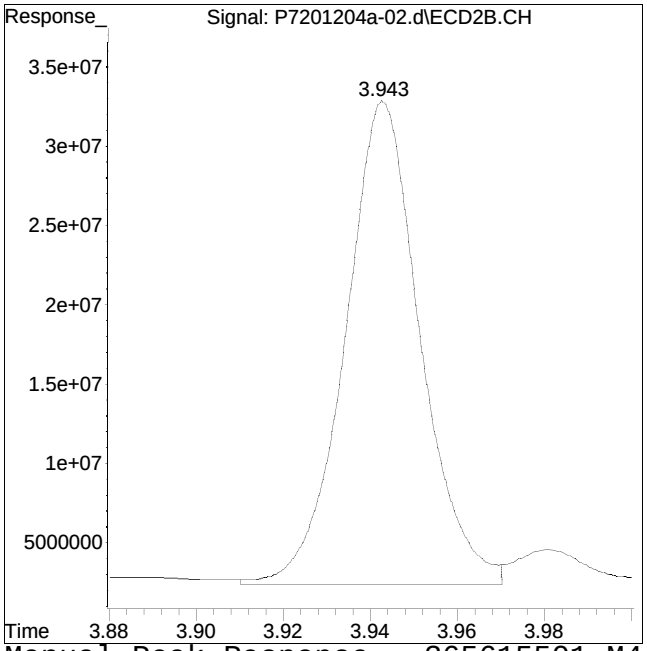
Original Peak Response = 551177763 Manual Peak Response = 961984107 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\Pest7\201204A\ QMethod : P7_pcb_06_10_20_ugL_ICAL
Data File : P7201204a-02.d Operator : pest7:cw
Date Inj'd : 12/4/2020 8:39 am Instrument : Pest 7
Sample : wg1441136-1,42e,,+1660 pp1 Quant Date : 12/4/2020 9:41 am

Compound #58: 1016-4 #2



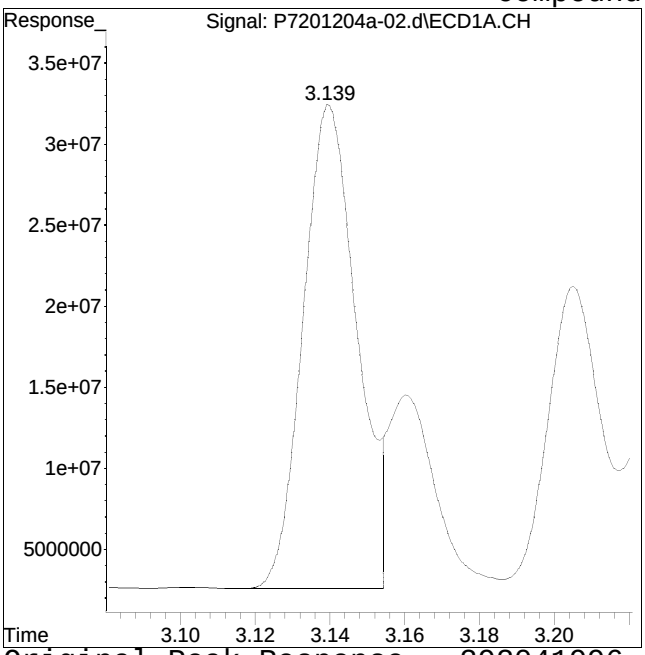


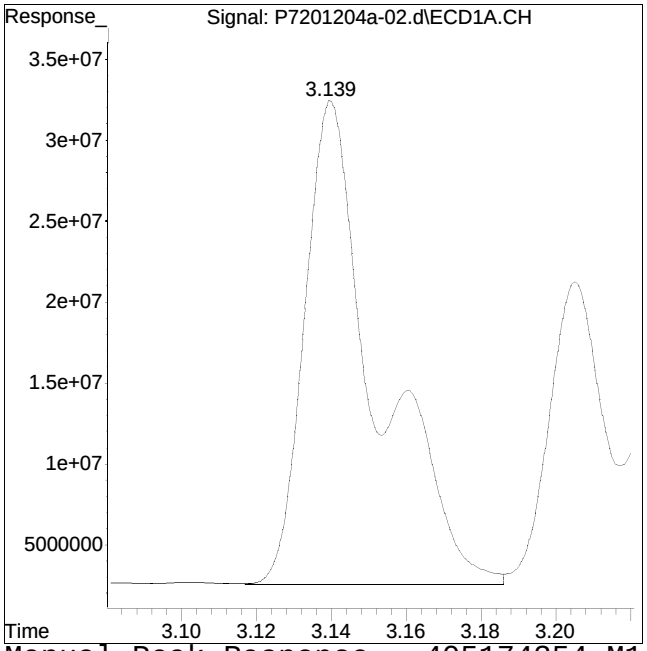
Original Peak Response = 364465343 Manual Peak Response = 365615501 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\201204A\ QMethod : P7_pcb_06_10_20_ugL_ICAL
Data File : P7201204a-02.d Operator : pest7:cw
Date Inj'd : 12/4/2020 8:39 am Instrument : Pest 7
Sample : wg1441136-1,42e,,+1660 pp1 Quant Date : 12/4/2020 9:41 am

Compound #8: 1016-5



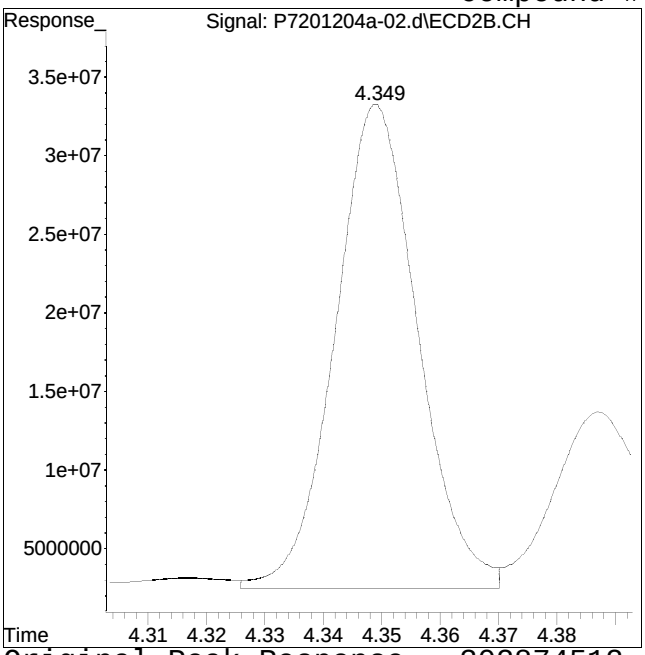


Original Peak Response = 292041996 Manual Peak Response = 405174354 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

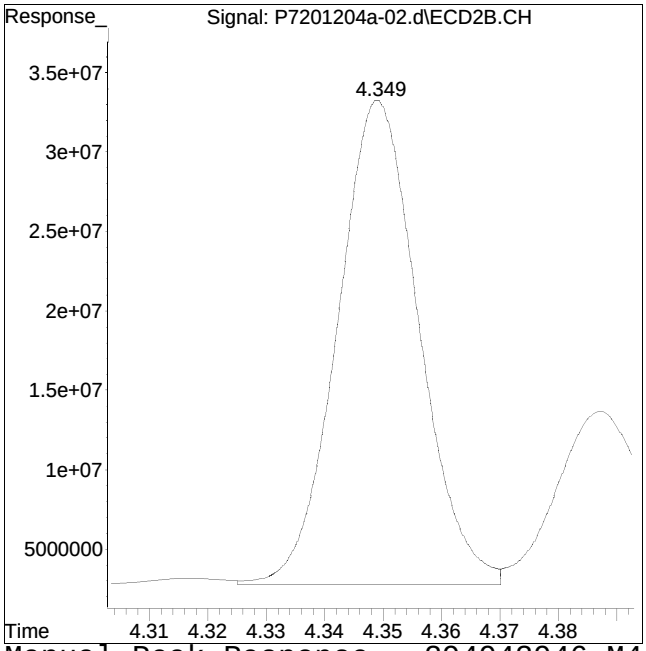
Manual Integration Report

Data Path : I:\Pest7\201204A\ QMethod : P7_pcb_06_10_20_ugL_ICAL
Data File : P7201204a-02.d Operator : pest7:cw
Date Inj'd : 12/4/2020 8:39 am Instrument : Pest 7
Sample : wg1441136-1,42e,,+1660 pp1 Quant Date : 12/4/2020 9:41 am

Compound #59: 1016-5 #2



Original Peak Response = 302874512

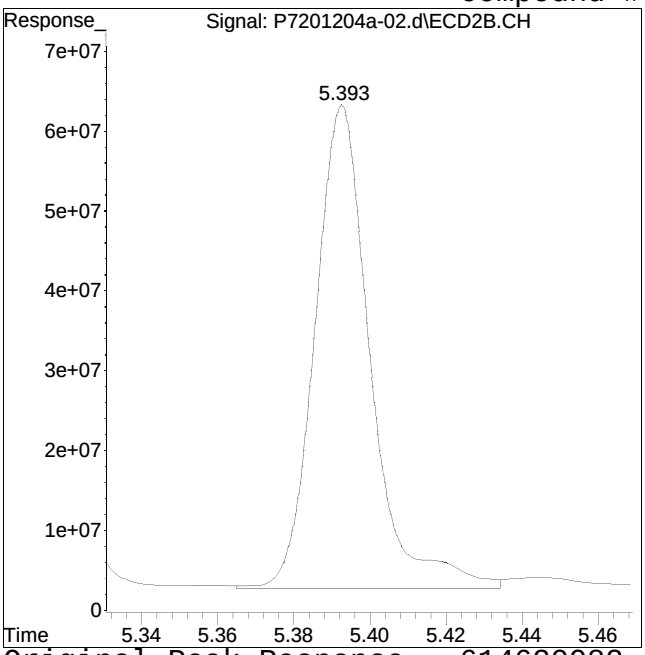


Manual Peak Response = 294943946 M4
M4 = Poor automated baseline construction.

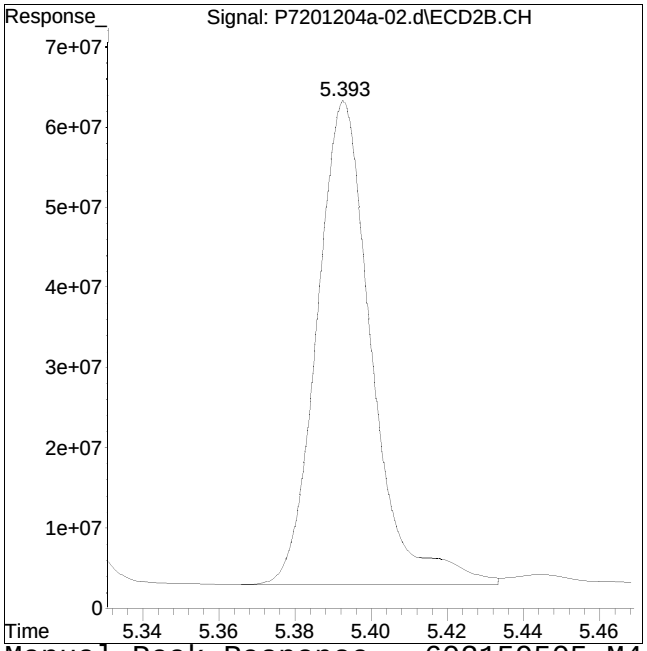
Manual Integration Report

Data Path : I:\Pest7\201204A\ QMethod : P7_pcb_06_10_20_ugL_ICAL
Data File : P7201204a-02.d Operator : pest7:cw
Date Inj'd : 12/4/2020 8:39 am Instrument : Pest 7
Sample : wg1441136-1,42e,,+1660 pp1 Quant Date : 12/4/2020 9:41 am

Compound #60: 1260-1 #2



Original Peak Response = 614620982

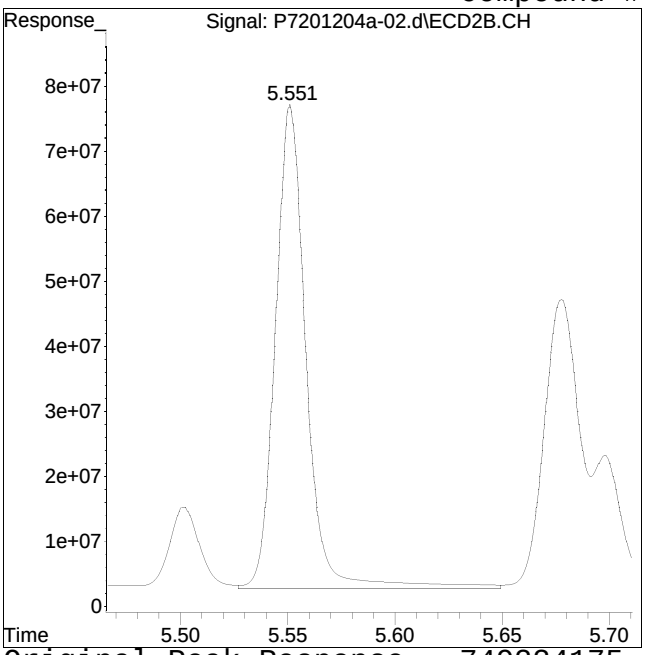


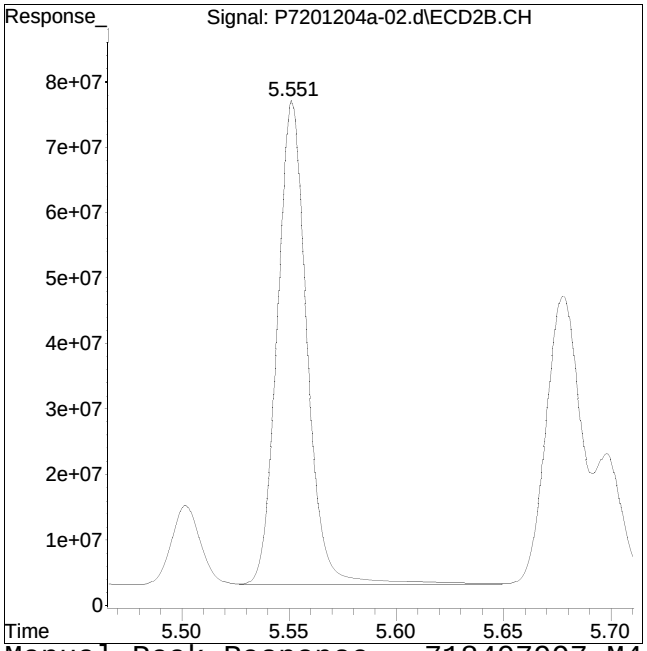
Manual Peak Response = 602159505 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\201204A\ QMethod : P7_pcb_06_10_20_ugL_ICAL
Data File : P7201204a-02.d Operator : pest7:cw
Date Inj'd : 12/4/2020 8:39 am Instrument : Pest 7
Sample : wg1441136-1,42e,,+1660 pp1 Quant Date : 12/4/2020 9:41 am

Compound #61: 1260-2 #2



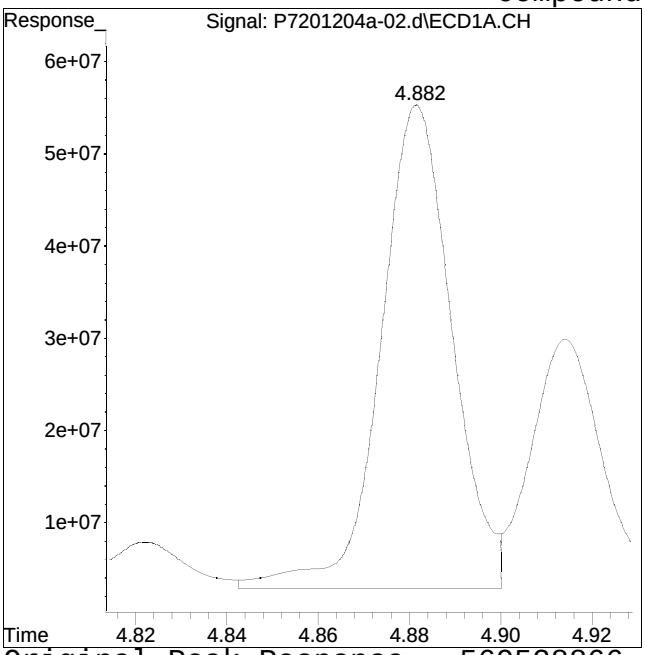


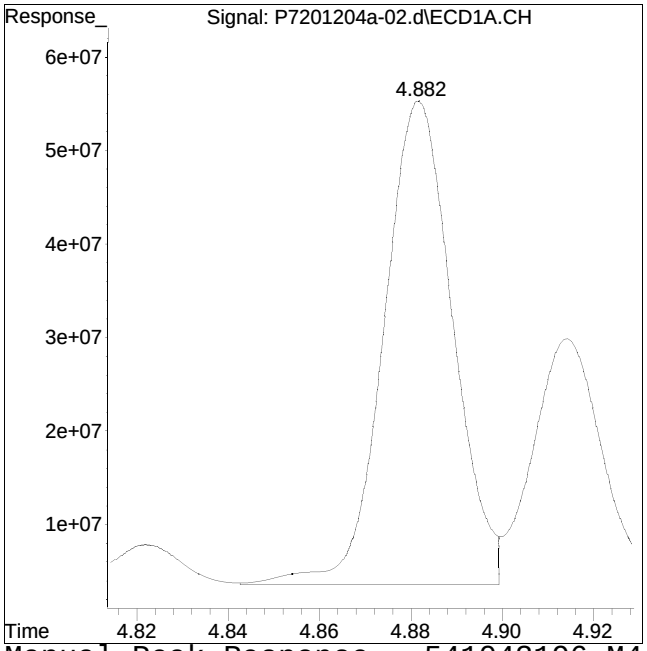
Original Peak Response = 749224175 Manual Peak Response = 718407997 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\201204A\ QMethod : P7_pcb_06_10_20_ugL_ICAL
Data File : P7201204a-02.d Operator : pest7:cw
Date Inj'd : 12/4/2020 8:39 am Instrument : Pest 7
Sample : wg1441136-1,42e,,+1660 pp1 Quant Date : 12/4/2020 9:41 am

Compound #11: 1260-3



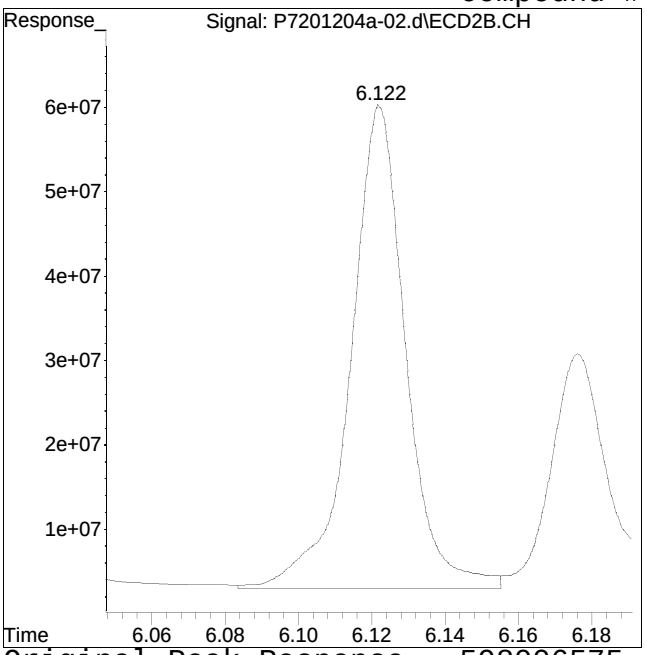


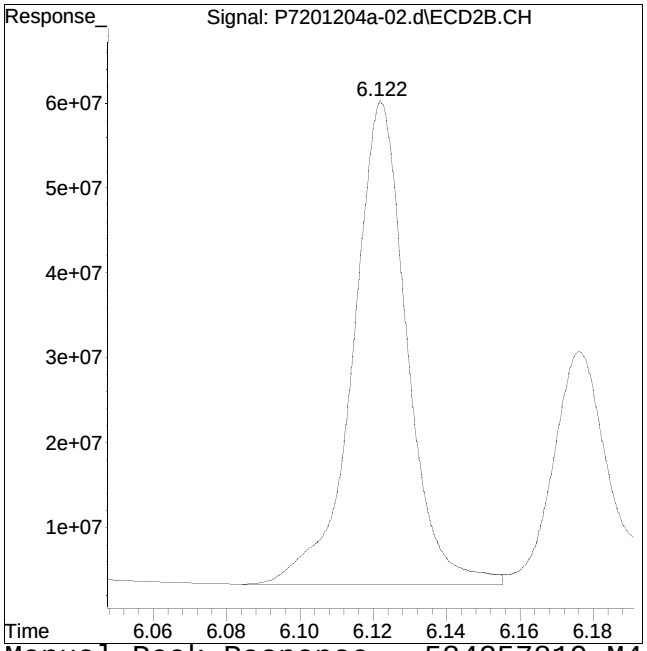
Original Peak Response = 569528866 Manual Peak Response = 541043196 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\201204A\ QMethod : P7_pcb_06_10_20_ugL_ICAL
Data File : P7201204a-02.d Operator : pest7:cw
Date Inj'd : 12/4/2020 8:39 am Instrument : Pest 7
Sample : wg1441136-1,42e,,+1660 pp1 Quant Date : 12/4/2020 9:41 am

Compound #62: 1260-3 #2



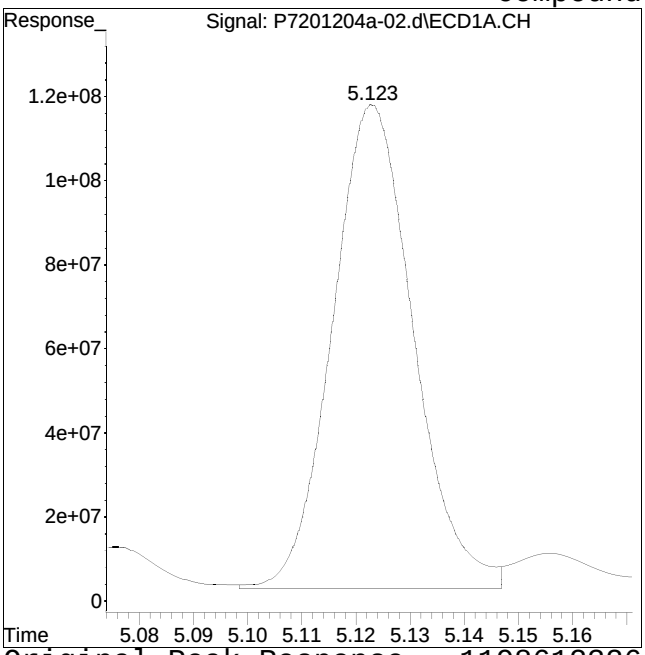


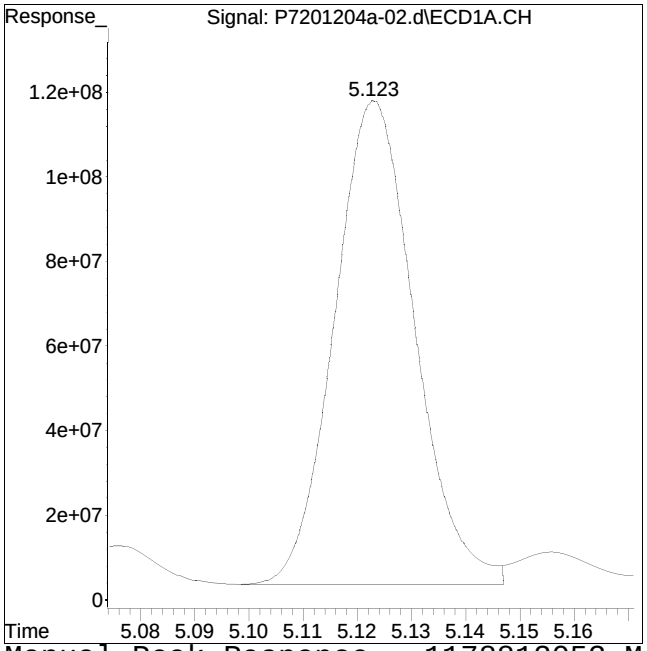
Original Peak Response = 598006575 Manual Peak Response = 584257819 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\201204A\ QMethod : P7_pcb_06_10_20_ugL_ICAL
Data File : P7201204a-02.d Operator : pest7:cw
Date Inj'd : 12/4/2020 8:39 am Instrument : Pest 7
Sample : wg1441136-1,42e,,+1660 pp1 Quant Date : 12/4/2020 9:41 am

Compound #12: 1260-4



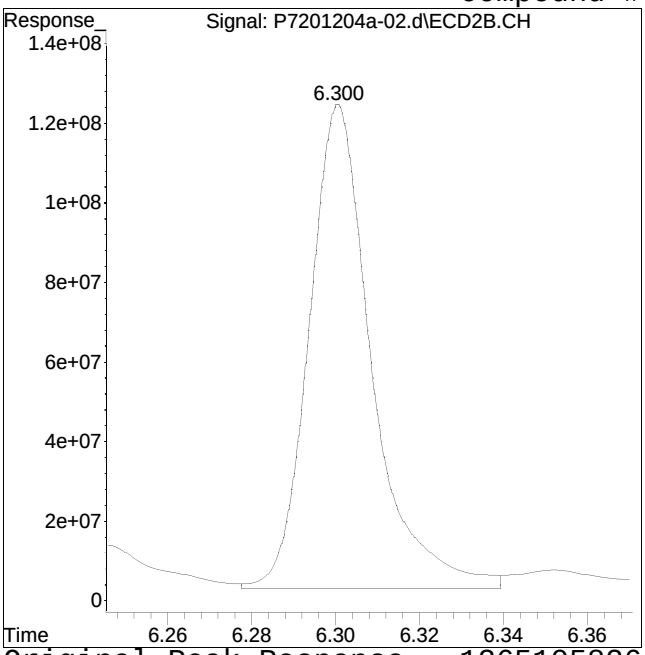


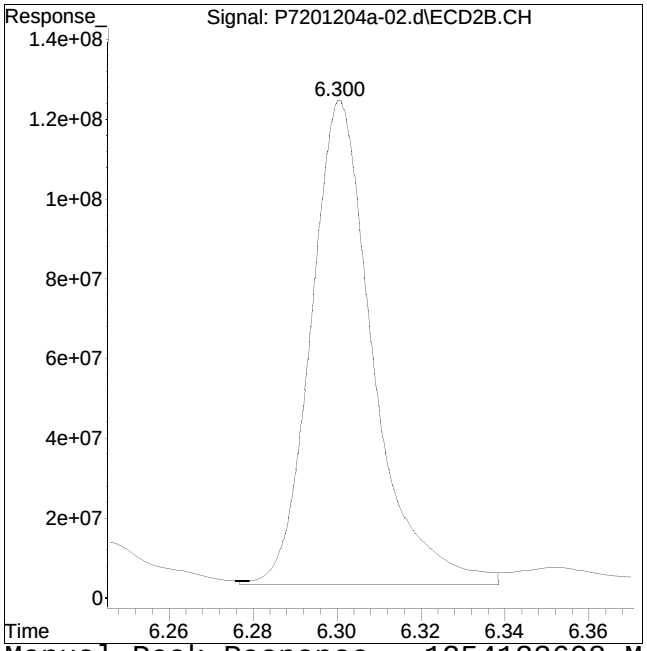
Original Peak Response = 1198612326 Manual Peak Response = 1178812053 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\201204A\ QMethod : P7_pcb_06_10_20_ugL_ICAL
Data File : P7201204a-02.d Operator : pest7:cw
Date Inj'd : 12/4/2020 8:39 am Instrument : Pest 7
Sample : wg1441136-1,42e,,+1660 pp1 Quant Date : 12/4/2020 9:41 am

Compound #63: 1260-4 #2



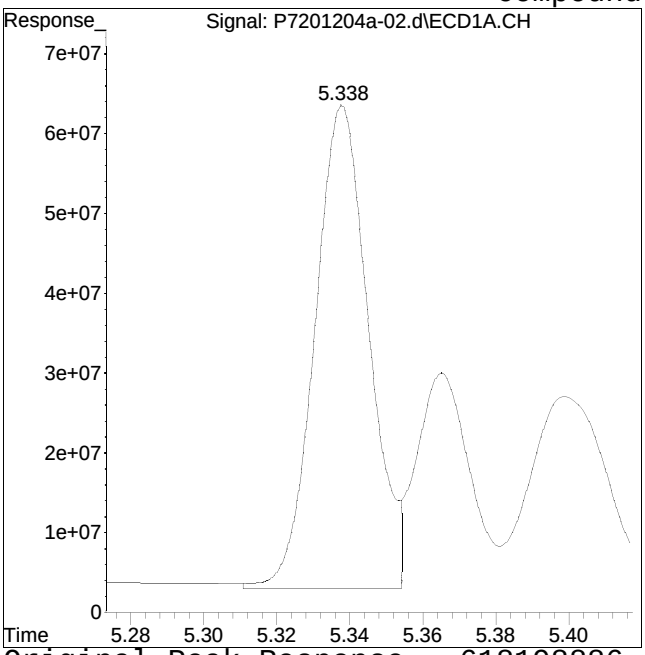


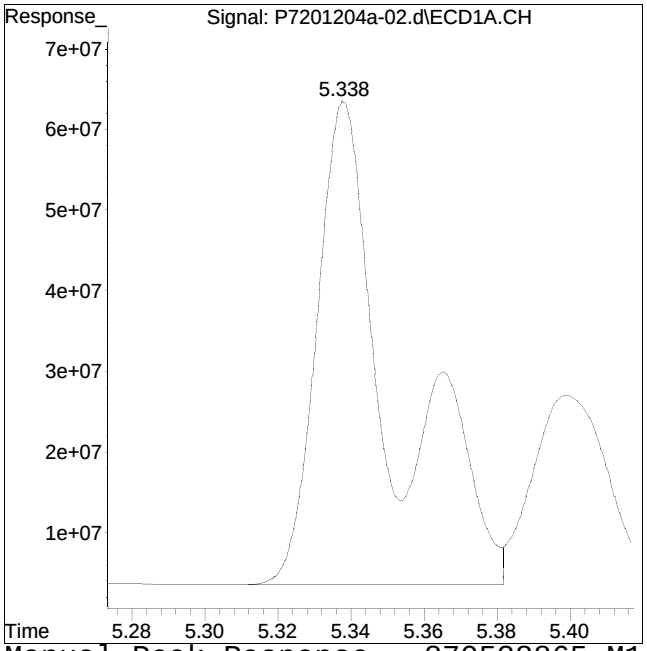
Original Peak Response = 1265105826 Manual Peak Response = 1254133608 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest7\201204A\ QMethod : P7_pcb_06_10_20_ugL_ICAL
Data File : P7201204a-02.d Operator : pest7:cw
Date Inj'd : 12/4/2020 8:39 am Instrument : Pest 7
Sample : wg1441136-1,42e,,+1660 pp1 Quant Date : 12/4/2020 9:41 am

Compound #13: 1260-5





Original Peak Response = 618198886 Manual Peak Response = 870538865 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

RT Shift Summary

Identification Summary
Form 10
PCBs

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**

No Detections Found

Aroclor Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201202a\
Data File : 21201202a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Dec 2020 11:03 am
Operator : pest21:jm
Sample : WG1440039-1,42,,
Misc : wg1440203,WG1440039,ical17343
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 12:30:08 2020
Quant Method : I:\Pest21\data\2020\21201202a\P21_pcb_10_15_20_ugL_ICAL17343
... .m
Quant Title : pcb
QLast Update : Wed Nov 11 13:36:50 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21201202a\21201202a-02.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.094	1.151	669.3E6	1860.0E6	250.000	250.000
	Standard Area 1 : #1 = 679690398				Recovery =		98.47%
	Standard Area 1 : #2 = 1925862052				Recovery =		96.58%
14) i	2154_1br2nb	1.094	1.151	669.3E6	1860.0E6	250.000	250.000
23) i	4268_1br2nb	1.094	1.151	669.3E6	1860.0E6	250.000	250.000
34) i	1248_1br2nb	1.094	1.151	669.3E6	1860.0E6	250.000	250.000
40) i	3262_1br2nb	1.094	1.151	669.3E6	1860.0E6	250.000	250.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.367	1.518	1545.3E6	3799.9E6	360.170	402.448
	Spiked Amount 500.000	Range 30 - 150			Recovery =	72.03%	80.49%
3) s	Decachlorobi	4.138	4.680	1205.4E6	2749.4E6	376.330	428.937M2
	Spiked Amount 500.000	Range 30 - 150			Recovery =	75.27%	85.79%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
Average	1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000

Data Path : I:\Pest21\data\2020\21201202a\
Data File : 21201202a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Dec 2020 11:03 am
Operator : pest21:jm
Sample : WG1440039-1,42,,
Misc : wg1440203,WG1440039,ical17343
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 12:30:08 2020
Quant Method : I:\Pest21\data\2020\21201202a\P21_pcb_10_15_20_ugL_ICAL17343
... .m
Quant Title : pcb
QLast Update : Wed Nov 11 13:36:50 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21201202a\21201202a-02.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3	1221-1	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000

Data Path : I:\Pest21\data\2020\21201202a\
Data File : 21201202a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Dec 2020 11:03 am
Operator : pest21:jm
Sample : WG1440039-1,42,,
Misc : wg1440203,WG1440039,ical17343
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 12:30:08 2020
Quant Method : I:\Pest21\data\2020\21201202a\P21_pcb_10_15_20_ugL_ICAL17343
... .m
Quant Title : pcb
QLast Update : Wed Nov 11 13:36:50 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21201202a\21201202a-02.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36)	l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37)	l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38)	l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39)	l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41)	l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201202a\
Data File : 21201202a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Dec 2020 11:03 am
Operator : pest21:jm
Sample : WG1440039-1,42,,
Misc : wg1440203,WG1440039,ical17343
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 12:30:08 2020
Quant Method : I:\Pest21\data\2020\21201202a\P21_pcb_10_15_20_ugL_ICAL17343
... .m
Quant Title : pcb
QLast Update : Wed Nov 11 13:36:50 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21201202a\21201202a-02.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

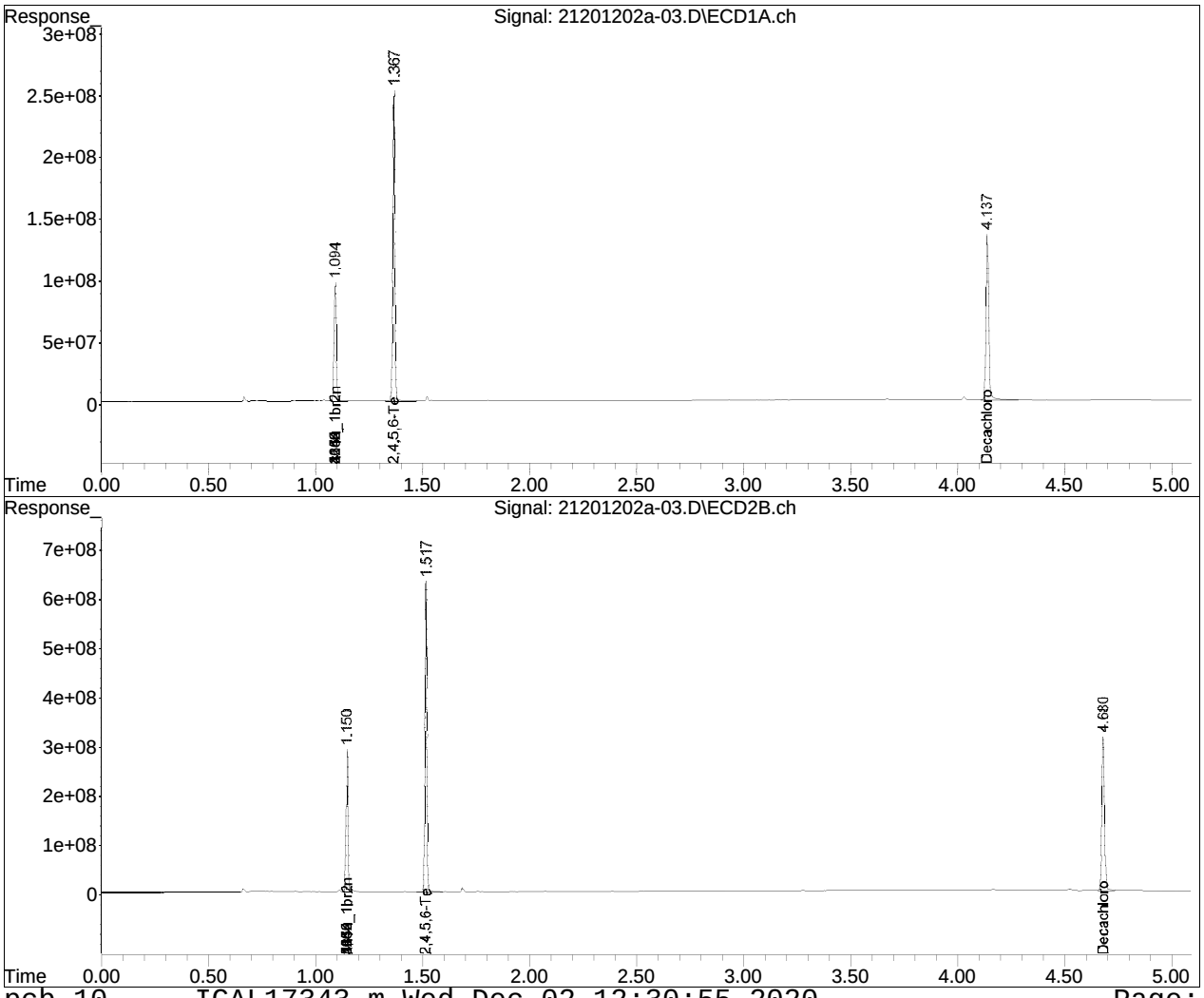
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed02a\21201202a-02.D••

Data Path : I:\Pest21\data\2020\21201202a\
Data File : 21201202a-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Dec 2020 11:03 am
Operator : pest21:jm
Sample : WG1440039-1,42,,
Misc : wg1440203,WG1440039,ical17343
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 12:30:08 2020
Quant Method : I:\Pest21\data\2020\21201202a\P21_pcb_10_15_20_ugL_ICAL17343
... .m
Quant Title : pcb
QLast Update : Wed Nov 11 13:36:50 2020
Response via : Initial Calibration
Integrator: ChemStation

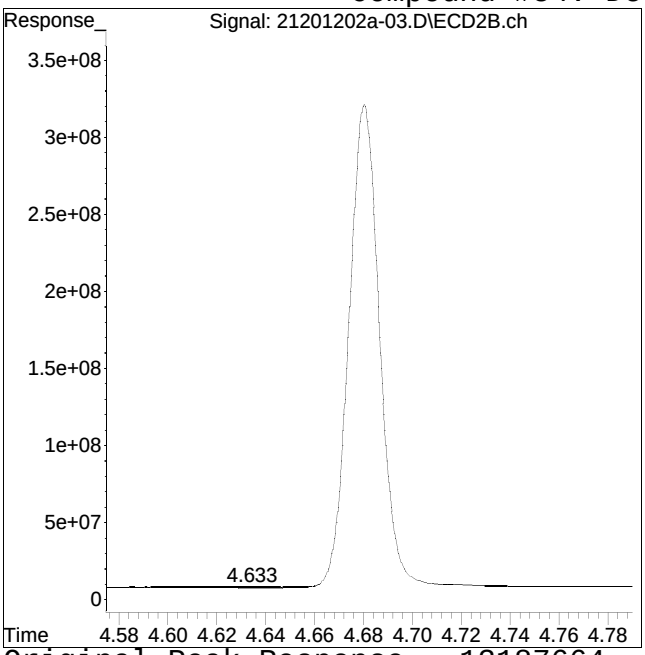
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

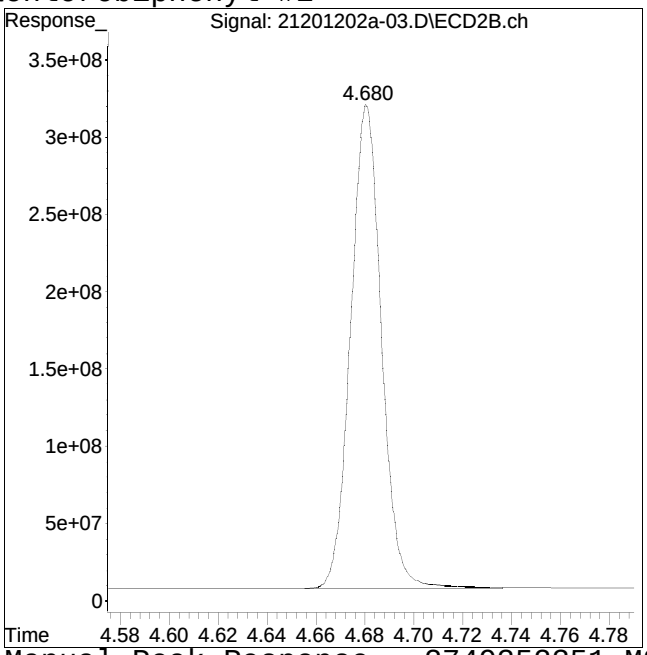


Manual Integration Report

Data Path : I:\Pest21\data\2020\212012QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201202a-03.D Operator : pest21:jm
Date Inj'd : 12/2/2020 11:03 am Instrument : Pest 21
Sample : WG1440039-1,42,, Quant Date : 12/2/2020 12:26 pm

Compound #54: Decachlorobiphenyl #2





Original Peak Response = 13187664 Manual Peak Response = 2749352351 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201202a\
Data File : 21201202a-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Dec 2020 11:10 am
Operator : pest21:jm
Sample : WG1440039-2,42,,
Misc : wg1440203,WG1440039,ical17343
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 12:31:35 2020
Quant Method : I:\Pest21\data\2020\21201202a\P21_pcb_10_15_20_ugL_ICAL17343
... .m
Quant Title : pcb
QLast Update : Wed Nov 11 13:36:50 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21201202a\21201202a-02.D
Sub List : 1660 - 1660

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.094	1.156	759.8E6	2226.7E6	250.000	250.000
	Standard Area 1 : #1 = 679690398				Recovery =	111.79%	
	Standard Area 1 : #2 = 1925862052				Recovery =	115.62%	
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.364	1.523	1777.0E6	4487.3E6	364.827	396.984
	Spiked Amount 500.000	Range 30 - 150		Recovery =		72.97%	79.40%
3) s	Decachlorobi	4.122	4.663f	1352.3E6	3097.2E6	371.899	403.636
	Spiked Amount 500.000	Range 30 - 150		Recovery =		74.38%	80.73%
	Target Compounds						
4) l1	1016-1	1.501f	1.736f	191.0E6	500.7E6	2296.628M2	2590.797M2
5) l1	1016-2	1.648	1.925f	445.9E6	1157.5E6	2541.991	2778.184
6) l1	1016-3	1.852	2.149f	950.9E6	2413.9E6	2642.622	2835.920
7) l1	1016-4	1.911	2.216f	400.9E6	908.2E6	2669.644	2709.210
8) l1	1016-5	2.099	2.451f	400.9E6	757.9E6	2535.074	2800.455
	Sum 1016-1			2389.6E6	5738.2E6	12685.959	13714.566
	Average 1016-1					2537.192	2742.913
9) l2	1260-1	2.700f	3.121f	524.0E6	1423.4E6	2399.752	2763.646
10) l2	1260-2	2.844f	3.233f	816.1E6	1581.3E6	2473.761	2610.998
11) l2	1260-3	3.185f	3.648f	526.2E6	1368.1E6	2458.700	2681.126
12) l2	1260-4	3.352f	3.787f	1171.4E6	2870.5E6	2542.015	2713.658
13) l2	1260-5	3.508f	3.995f	849.2E6	1976.0E6	2699.624M2	2723.246
	Sum 1260-1			3887.0E6	9219.1E6	12573.852	13492.674
	Average 1260-1					2514.770	2698.535
	Sum 1221-1			0	0	N.D.	N.D.
	Average 1221-1					0.000	0.000

Data Path : I:\Pest21\data\2020\21201202a\
Data File : 21201202a-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Dec 2020 11:10 am
Operator : pest21:jm
Sample : WG1440039-2,42,,
Misc : wg1440203,WG1440039,ical17343
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 12:31:35 2020
Quant Method : I:\Pest21\data\2020\21201202a\P21_pcb_10_15_20_ugL_ICAL17343
... .m
Quant Title : pcb
QLast Update : Wed Nov 11 13:36:50 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21201202a\21201202a-02.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

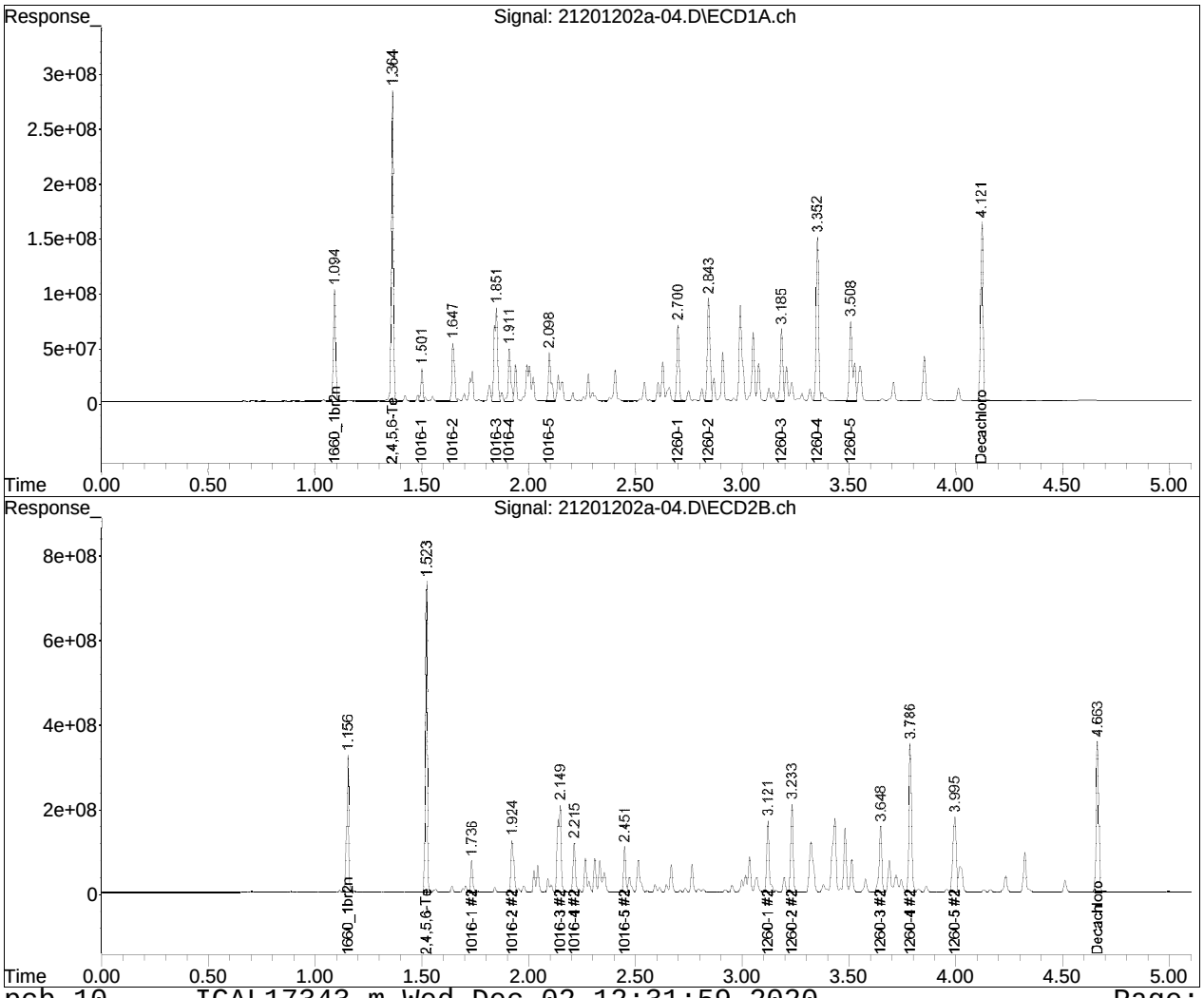
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 166021\data\2020\21201202a\21201202a-02.D••

Data Path : I:\Pest21\data\2020\21201202a\
Data File : 21201202a-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Dec 2020 11:10 am
Operator : pest21:jm
Sample : WG1440039-2,42,,
Misc : wg1440203,WG1440039,ical17343
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 12:31:35 2020
Quant Method : I:\Pest21\data\2020\21201202a\P21_pcb_10_15_20_ugL_ICAL17343
... .m
Quant Title : pcb
QLast Update : Wed Nov 11 13:36:50 2020
Response via : Initial Calibration
Integrator: ChemStation

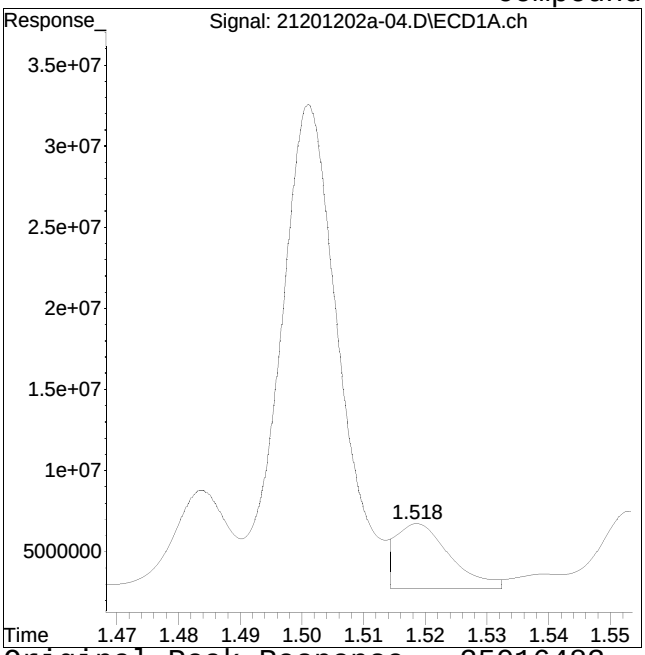
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

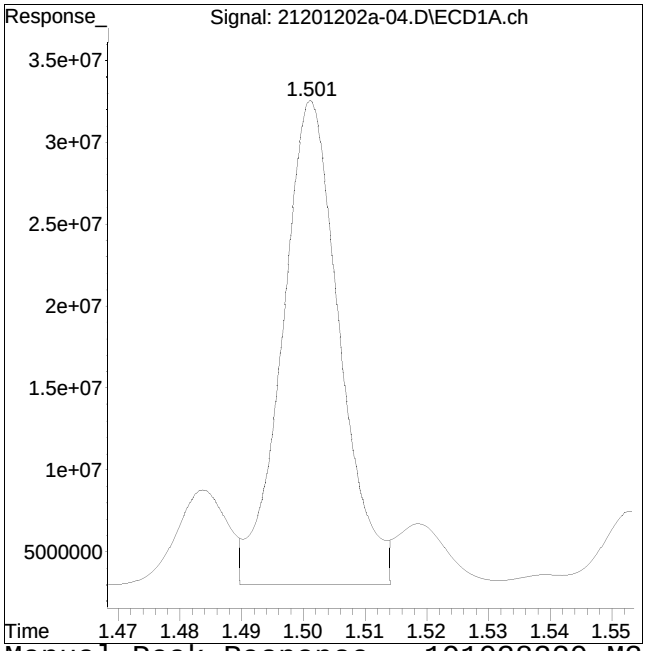


Manual Integration Report

Data Path : I:\Pest21\data\2020\212012QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201202a-04.D Operator : pest21:jm
Date Inj'd : 12/2/2020 11:10 am Instrument : Pest 21
Sample : WG1440039-2,42,, Quant Date : 12/2/2020 12:26 pm

Compound #4: 1016-1



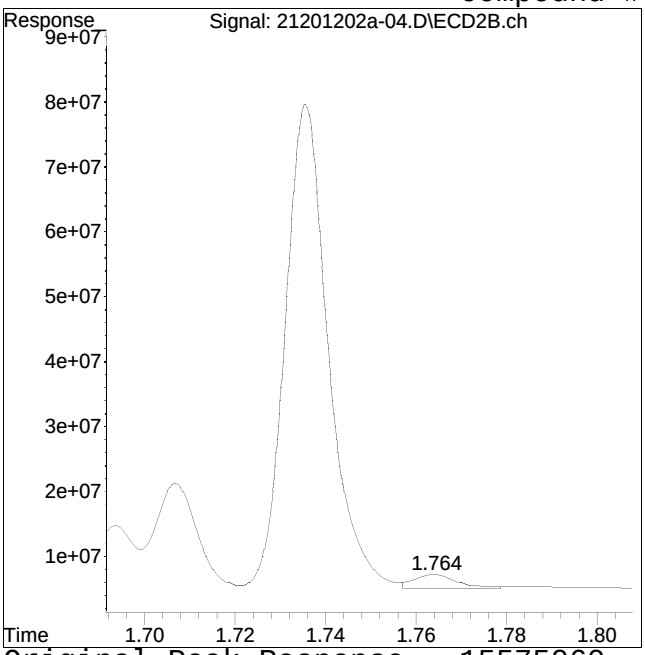


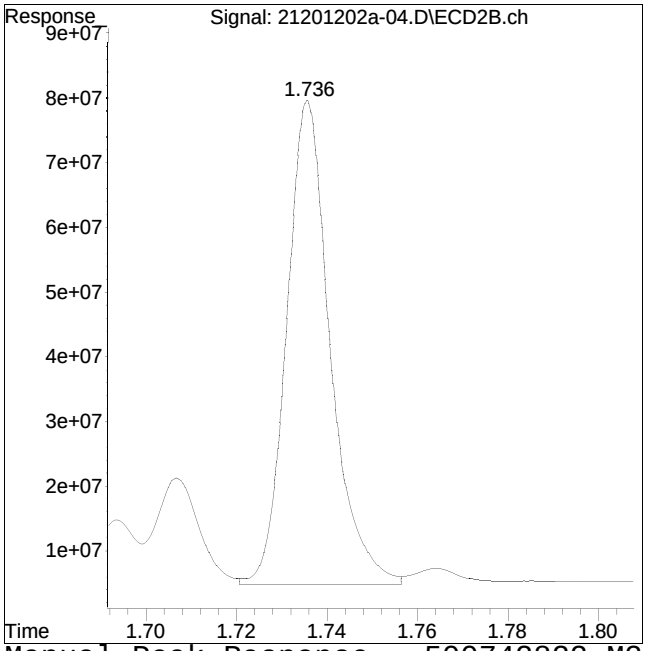
Original Peak Response = 25016483 Manual Peak Response = 191038220 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212012QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201202a-04.D Operator : pest21:jm
Date Inj'd : 12/2/2020 11:10 am Instrument : Pest 21
Sample : WG1440039-2,42,, Quant Date : 12/2/2020 12:26 pm

Compound #55: 1016-1 #2



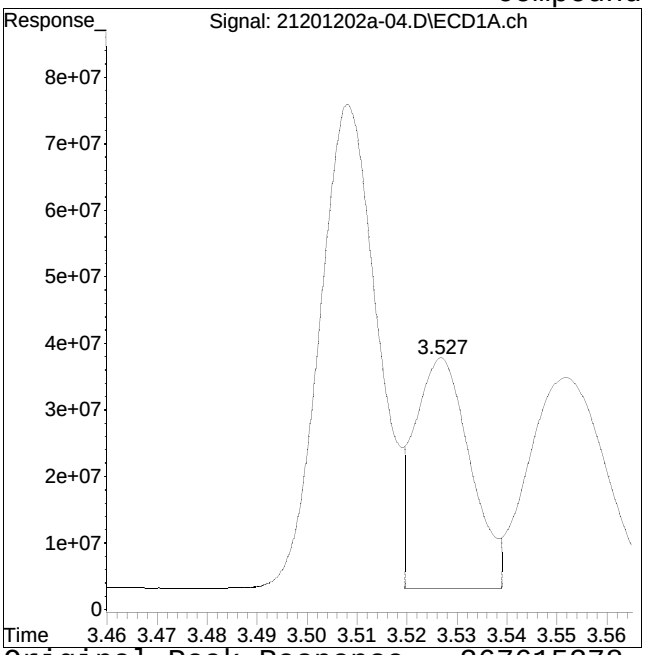


Original Peak Response = 15575060 Manual Peak Response = 500742822 M2
M2 = Peak not found by automatic integration algorithm.

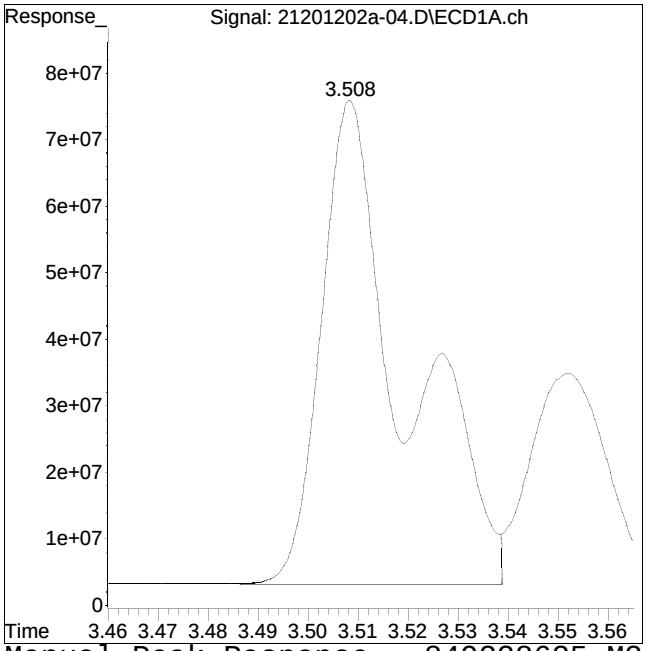
Manual Integration Report

Data Path : I:\Pest21\data\2020\212012QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201202a-04.D Operator : pest21:jm
Date Inj'd : 12/2/2020 11:10 am Instrument : Pest 21
Sample : WG1440039-2,42,, Quant Date : 12/2/2020 12:26 pm

Compound #13: 1260-5



Original Peak Response = 267615378



Manual Peak Response = 849228625 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest21\data\2020\21201202a\
Data File : 21201202a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Dec 2020 11:17 am
Operator : pest21:jm
Sample : WG1440039-3,42,,
Misc : wg1440203,WG1440039,ical17343
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 12:33:03 2020
Quant Method : I:\Pest21\data\2020\21201202a\P21_pcb_10_15_20_ugL_ICAL17343
... .m
Quant Title : pcb
QLast Update : Wed Nov 11 13:36:50 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21201202a\21201202a-02.D
Sub List : 1660 - 1660

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.094	1.156	756.3E6	2208.7E6	250.000	250.000
	Standard Area 1 : #1 = 679690398				Recovery =	111.27%	
	Standard Area 1 : #2 = 1925862052				Recovery =	114.68%	
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.364	1.523	1786.1E6	4504.0E6	368.416	401.704
	Spiked Amount 500.000	Range 30 - 150		Recovery =	73.68%	80.34%	
3) s	Decachlorobi	4.118	4.661f	1377.2E6	3152.4E6	380.517	414.169
	Spiked Amount 500.000	Range 30 - 150		Recovery =	76.10%	82.83%	
	Target Compounds						
4) l1	1016-1	1.501f	1.736f	191.4E6	494.4E6	2312.283M2	2578.828M2
5) l1	1016-2	1.647	1.925f	448.3E6	1147.4E6	2567.620	2776.350
6) l1	1016-3	1.850	2.150f	952.1E6	2395.2E6	2658.293	2836.923
7) l1	1016-4	1.910	2.216f	401.2E6	951.9E6	2684.210	2862.817
8) l1	1016-5	2.097	2.452f	401.3E6	749.2E6	2549.918	2790.785
	Sum 1016-1			2394.4E6	5738.1E6	12772.325	13845.701
Average	1016-1					2554.465	2769.140
9) l2	1260-1	2.698f	3.121f	526.9E6	1429.6E6	2424.244	2798.326
10) l2	1260-2	2.841f	3.234f	813.6E6	1592.6E6	2477.558M2	2651.206
11) l2	1260-3	3.182f	3.648f	536.9E6	1389.1E6	2520.185M2	2744.485
12) l2	1260-4	3.349f	3.786f	1190.0E6	2905.6E6	2594.465M2	2769.224
13) l2	1260-5	3.505f	3.995f	867.0E6	2017.9E6	2768.868M1	2803.659
	Sum 1260-1			3934.4E6	9334.8E6	12785.319	13766.900
Average	1260-1					2557.064	2753.380
	Sum 1221-1			0	0	N.D.	N.D.
Average	1221-1					0.000	0.000

Data Path : I:\Pest21\data\2020\21201202a\
Data File : 21201202a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Dec 2020 11:17 am
Operator : pest21:jm
Sample : WG1440039-3,42,,
Misc : wg1440203,WG1440039,ical17343
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 12:33:03 2020
Quant Method : I:\Pest21\data\2020\21201202a\P21_pcb_10_15_20_ugL_ICAL17343
... .m
Quant Title : pcb
QLast Update : Wed Nov 11 13:36:50 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest21\data\2020\21201202a\21201202a-02.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

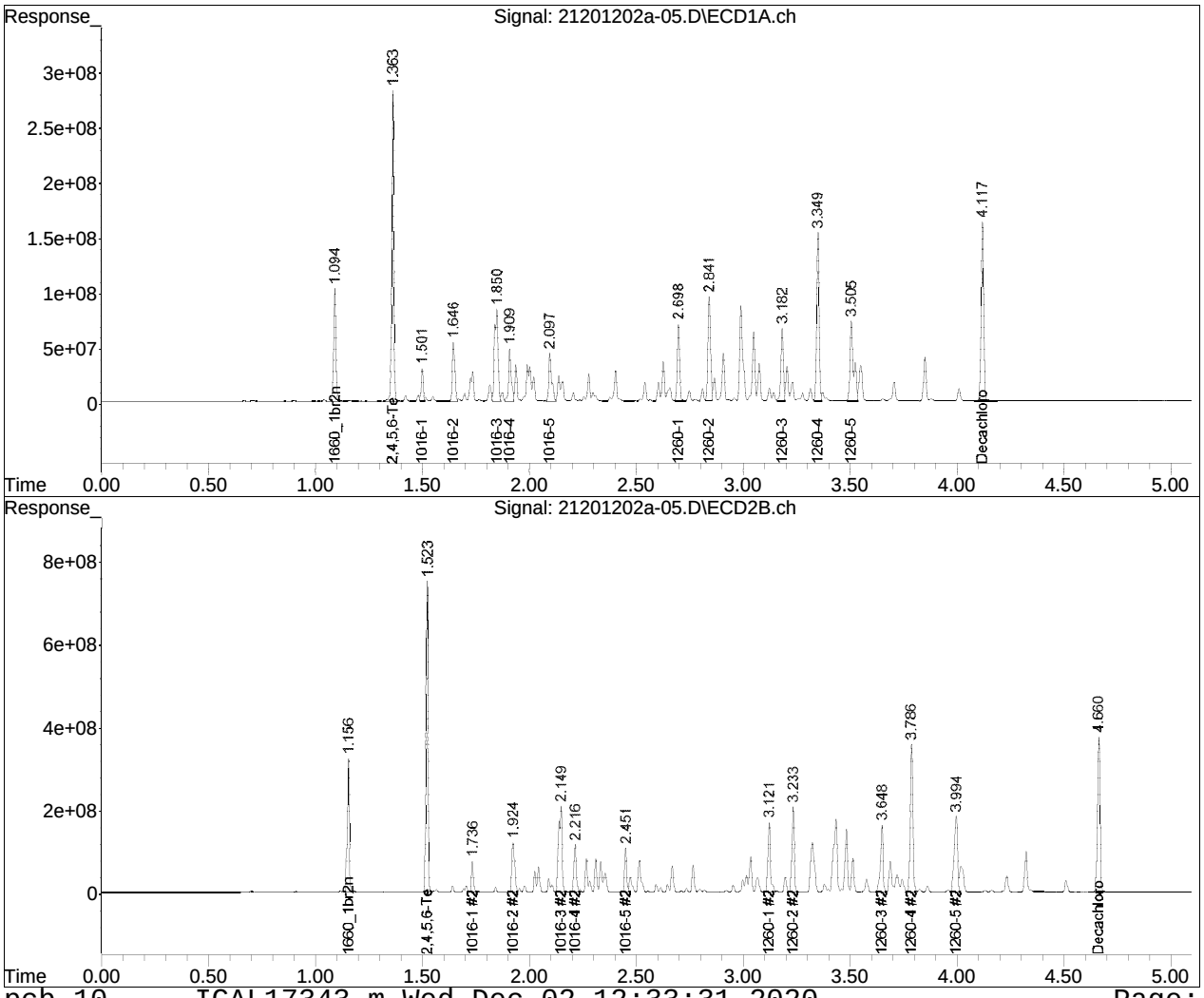
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 166021\data\2020\21201202a\21201202a-02.D••

Data Path : I:\Pest21\data\2020\21201202a\
Data File : 21201202a-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Dec 2020 11:17 am
Operator : pest21:jm
Sample : WG1440039-3,42,,
Misc : wg1440203,WG1440039,ical17343
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 12:33:03 2020
Quant Method : I:\Pest21\data\2020\21201202a\P21_pcb_10_15_20_ugL_ICAL17343
... .m
Quant Title : pcb
QLast Update : Wed Nov 11 13:36:50 2020
Response via : Initial Calibration
Integrator: ChemStation

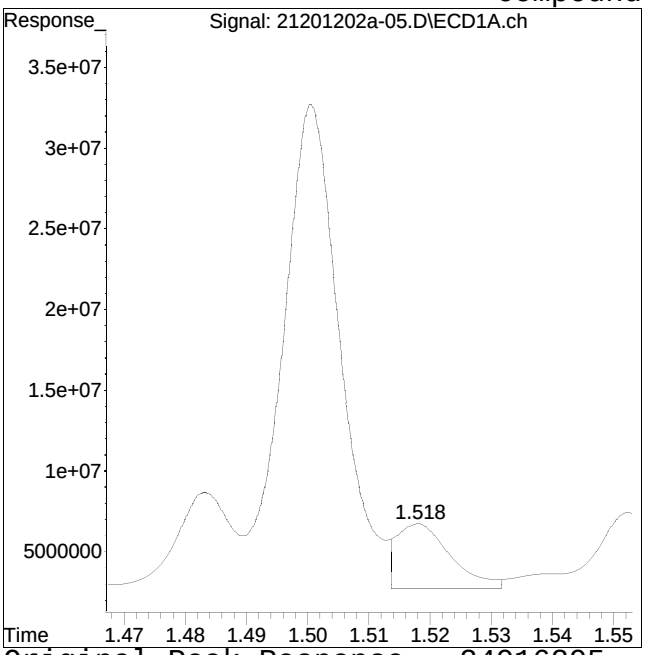
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

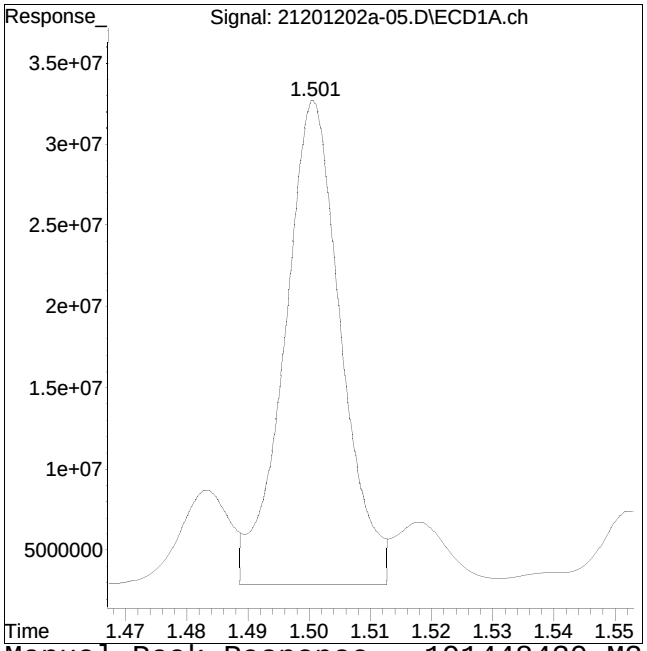


Manual Integration Report

Data Path : I:\Pest21\data\2020\212012QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201202a-05.D Operator : pest21:jm
Date Inj'd : 12/2/2020 11:17 am Instrument : Pest 21
Sample : WG1440039-3,42,, Quant Date : 12/2/2020 12:27 pm

Compound #4: 1016-1



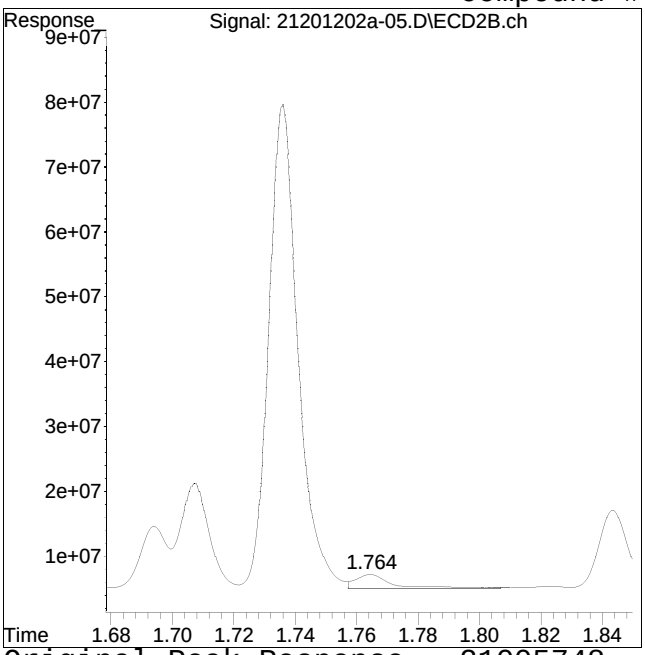


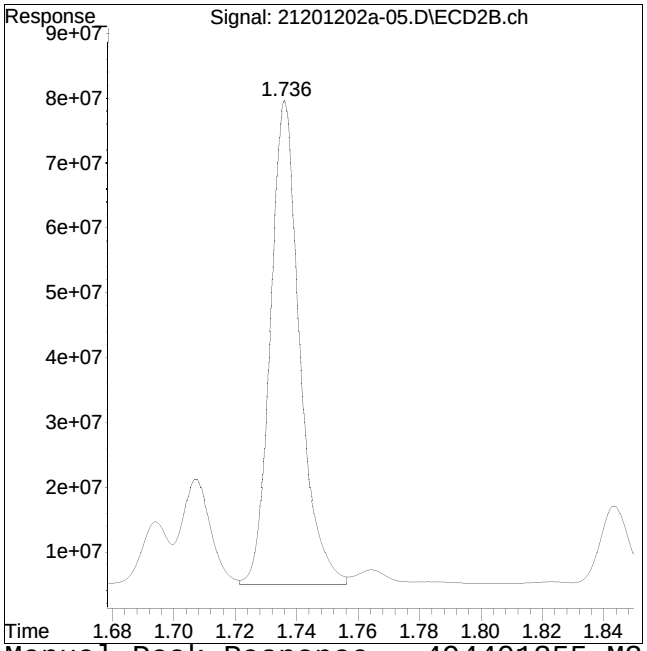
Original Peak Response = 24916295 Manual Peak Response = 191448430 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212012QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201202a-05.D Operator : pest21:jm
Date Inj'd : 12/2/2020 11:17 am Instrument : Pest 21
Sample : WG1440039-3,42,, Quant Date : 12/2/2020 12:27 pm

Compound #55: 1016-1 #2



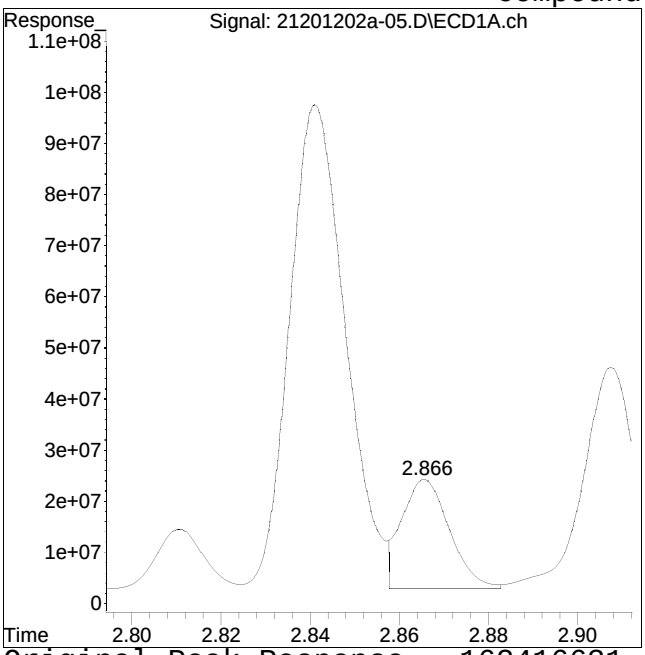


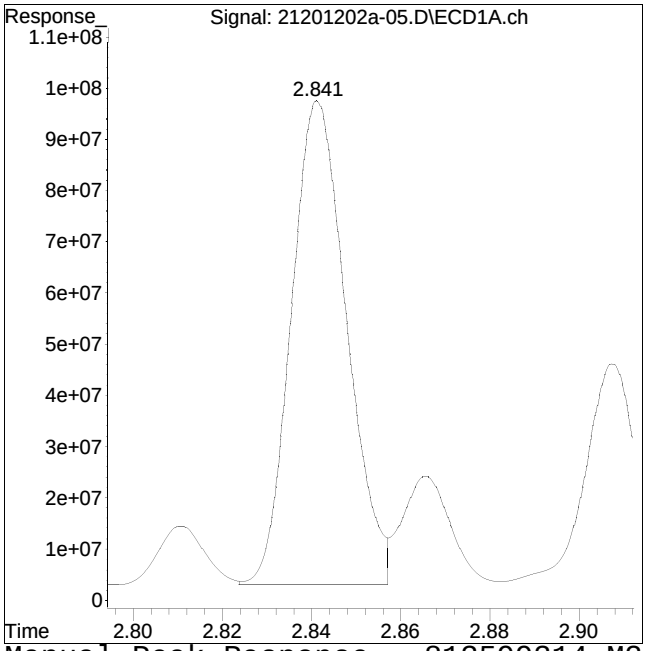
Original Peak Response = 21005748 Manual Peak Response = 494401355 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212012QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201202a-05.D Operator : pest21:jm
Date Inj'd : 12/2/2020 11:17 am Instrument : Pest 21
Sample : WG1440039-3,42,, Quant Date : 12/2/2020 12:27 pm

Compound #10: 1260-2



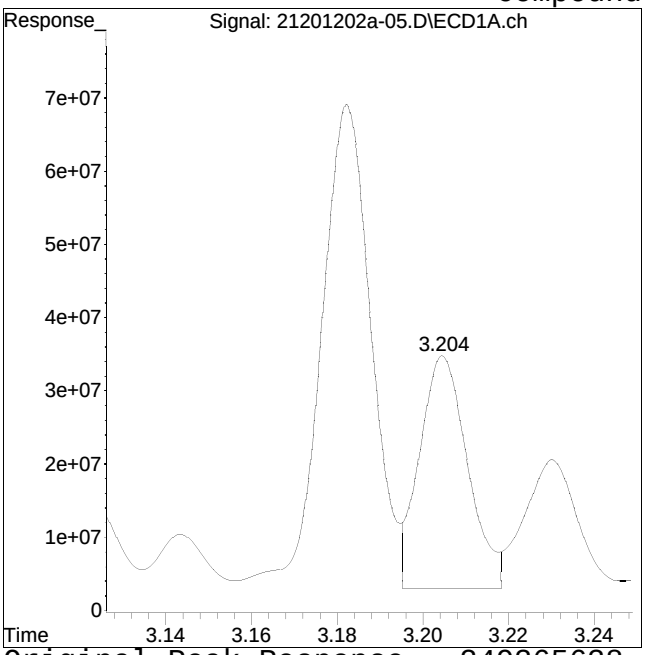


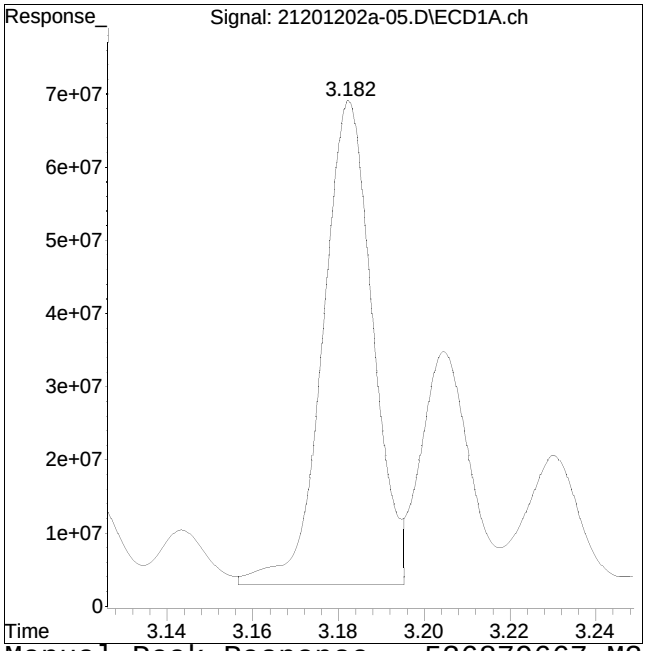
Original Peak Response = 162416631 Manual Peak Response = 813599314 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212012QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201202a-05.D Operator : pest21:jm
Date Inj'd : 12/2/2020 11:17 am Instrument : Pest 21
Sample : WG1440039-3,42,, Quant Date : 12/2/2020 12:27 pm

Compound #11: 1260-3



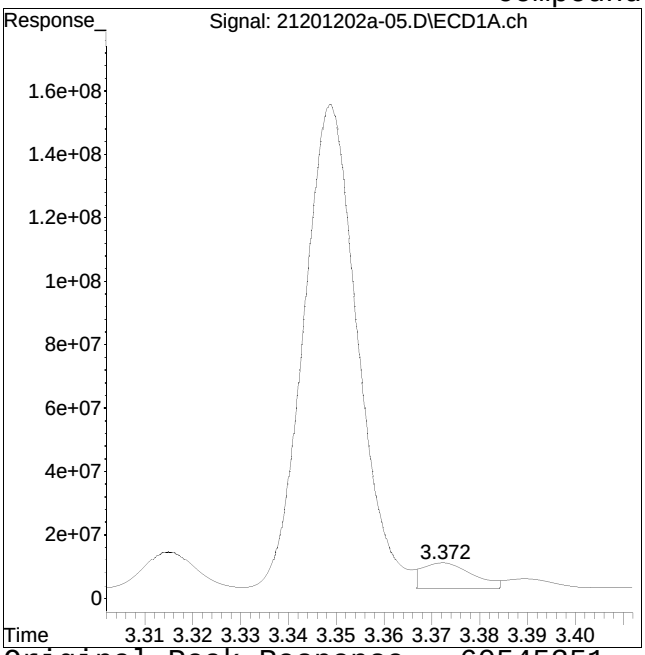


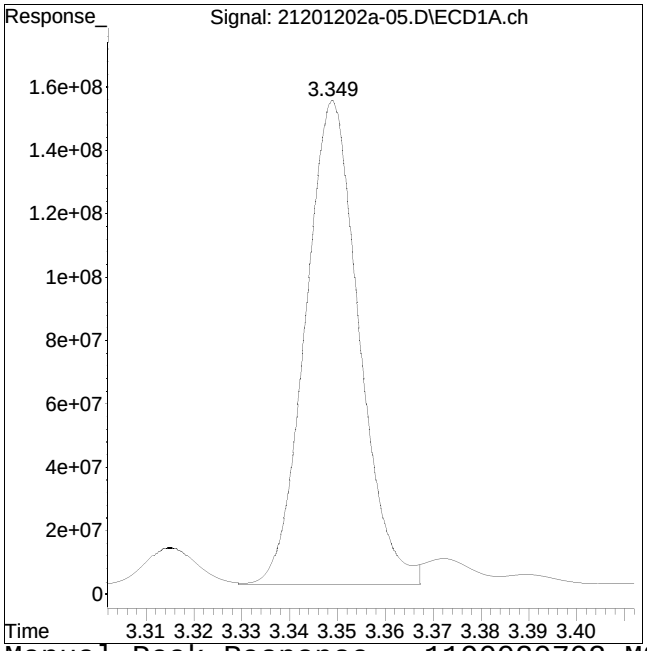
Original Peak Response = 249365638 Manual Peak Response = 536879667 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212012QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201202a-05.D Operator : pest21:jm
Date Inj'd : 12/2/2020 11:17 am Instrument : Pest 21
Sample : WG1440039-3,42,, Quant Date : 12/2/2020 12:27 pm

Compound #12: 1260-4



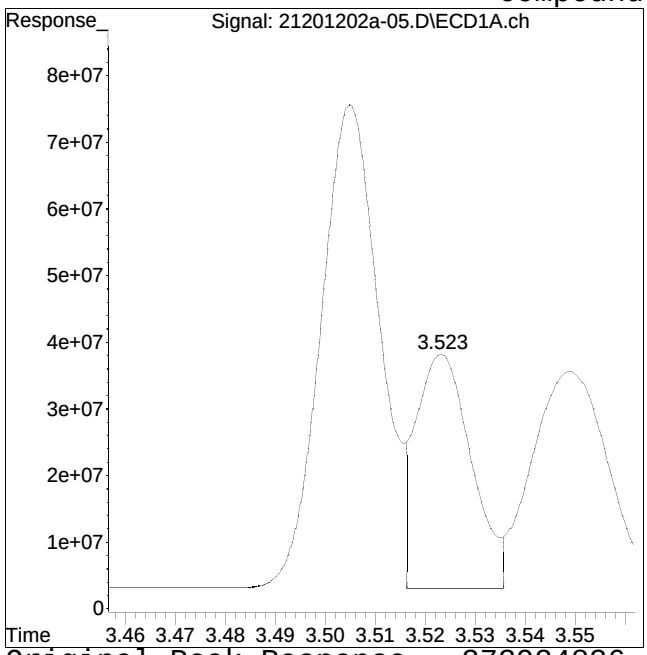


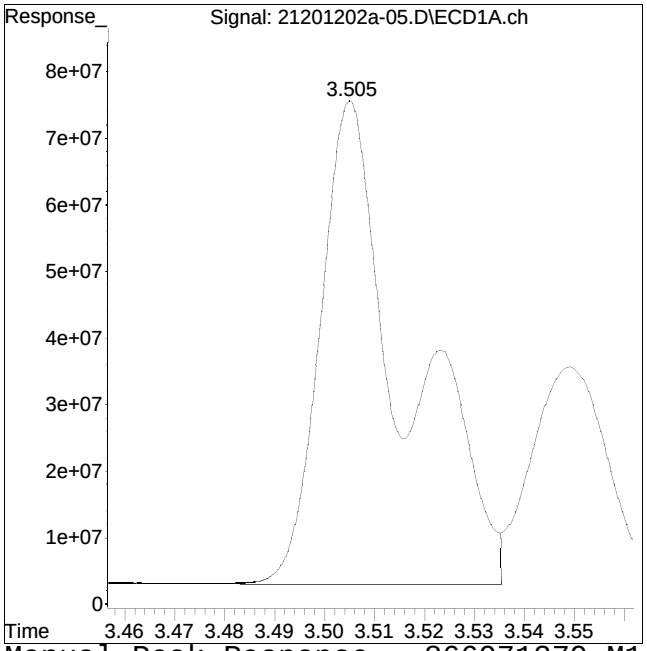
Original Peak Response = 60545351 Manual Peak Response = 1190020702 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest21\data\2020\212012QMethod : P21_pcb_10_15_20_ugL_ICA
Data File : 21201202a-05.D Operator : pest21:jm
Date Inj'd : 12/2/2020 11:17 am Instrument : Pest 21
Sample : WG1440039-3,42,, Quant Date : 12/2/2020 12:27 pm

Compound #13: 1260-5





Original Peak Response = 273924836 Manual Peak Response = 866971279 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Calculation of PCB Aroclors & Pesticides

Aqueous Concentration Formula:
Amt * DF*(Vt/Vp)*(1000/Vo)*(Ve/1000)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Vo = Volume of Sample (mL)
Ve = Extraction Lab Final Volume (mL)

Soil Concentration Formula:
Amt * DF * (Vt/Vp)*(1000/Wt)*(Ve/1000)* (100/TS)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Wt = Weight of Sample (g)
Ve = Extraction Lab Final Volume (mL)
TS = Total Solids

Dep.: PCB
Inst: Pest_7
Date: **06/10/20**
Run: **ical**

Method
GC: PCB

Seq: _____

Vial	Data File	Sample	CCAL	notes	initials
1	P7200610ical-01	prime			
1	P7200610ical-02	prime			
2	P7200610ical-03	blank			
2	P7200610ical-04	blank			
3	P7200610ical-05	il14268,42e,,9831			
4	P7200610ical-06	il24268,42e,,9831			
5	P7200610ical-07	il34268,42e,,9831			
6	P7200610ical-08	il44268,42e,,9831			
7	P7200610ical-09	il54268,42e,,9831			
8	P7200610ical-10	il64268,42e,,9831			
9	P7200610ical-11	il13262,42e,,9812			
10	P7200610ical-12	il23262,42e,,9812			
11	P7200610ical-13	il33262,42e,,9812			
12	P7200610ical-14	il43262,42e,,9812			
13	P7200610ical-15	il53262,42e,,9812			
14	P7200610ical-16	il63262,42e,,9812			
15	P7200610ical-17	il11248,42e,,9814			
16	P7200610ical-18	il21248,42e,,9814			
17	P7200610ical-19	il31248,42e,,9814			
18	P7200610ical-20	il41248,42e,,9814			
19	P7200610ical-21	il51248,42e,,9814			
20	P7200610ical-22	il61248,42e,,9814			
21	P7200610ical-23	il12154,42e,,9811			
22	P7200610ical-24	il22154,42e,,9811			
23	P7200610ical-25	il32154,42e,,9811			
24	P7200610ical-26	il42154,42e,,9811			
25	P7200610ical-27	il52154,42e,,9811			
26	P7200610ical-28	il62154,42e,,9811			
27	P7200610ical-29	il11660,42e,,9810			
28	P7200610ical-30	il21660,42e,,9810			
29	P7200610ical-31	il31660,42e,,9810			
30	P7200610ical-32	il41660,42e,,9810			
31	P7200610ical-33	il51660,42e,,9810			
32	P7200610ical-34	il61660,42e,,9810			
33	P7200610ical-35	cicv4268,42e,,9834			
34	P7200610ical-36	cicv3262,42e,,9817			
35	P7200610ical-37	cicv1248,42e,,9819			
36	P7200610ical-38	cicv2154,42e,,9816			
37	P7200610ical-39	cicv1660,42e,,9815			
38	P7200610ical-40	blank			
39	P7200610ical-41	il14268,42e,,9831			
40	P7200610ical-42	il13262,42e,,9812			

Dep.: PCB
Inst: Pest_7
Date: **06/10/20**
Run: **ical**

Method
GC: PCB

Seq: _____

Vial	Data File	Sample	CCAL	notes	initials
41	P7200610ical-43	il12154,42e,,9811			
42	P7200610ical-44	cicv4268,42e,,9834			
43	P7200610ical-45	cicv3262,42e,,9817			
44	P7200610ical-46	cicv2154,42e,,9816			

Dep.: PCB
Inst: Pest_21
Date: **10/15/20**
Run: **a**

Method
GC: PCB

Seq: _____

Vial	Data File	Sample	CCAL	notes	initials
1	21201015ical-01	prime			
1	21201015ical-02	prime			
2	21201015ical-03	hexane			
2	21201015ical-04	hexane			
3	21201015ical-05	il14268,42e,,10150			
4	21201015ical-06	il24268,42e,,10150			
5	21201015ical-07	il34268,42e,,10150			
6	21201015ical-08	il44268,42e,,10150			
7	21201015ical-09	il54268,42e,,10150			
8	21201015ical-10	il64268,42e,,10150			
9	21201015ical-11	il13262,42e,,10134			
10	21201015ical-12	il23262,42e,,10134			
11	21201015ical-13	il33262,42e,,10134			
12	21201015ical-14	il43262,42e,,10134			
13	21201015ical-15	il53262,42e,,10134			
14	21201015ical-16	il63262,42e,,10134			
15	21201015ical-17	il11248,42e,,10135			
16	21201015ical-18	il21248,42e,,10135			
17	21201015ical-19	il31248,42e,,10135			
18	21201015ical-20	il41248,42e,,10135			
19	21201015ical-21	il51248,42e,,10135			
20	21201015ical-22	il61248,42e,,10135			
21	21201015ical-23	il12154,42e,,10133			
22	21201015ical-24	il22154,42e,,10133			
23	21201015ical-25	il32154,42e,,10133			
24	21201015ical-26	il42154,42e,,10133			
25	21201015ical-27	il52154,42e,,10133			
26	21201015ical-28	il62154,42e,,10133			
27	21201015ical-29	il11660,42e,,10132			
28	21201015ical-30	il21660,42e,,10132			
29	21201015ical-31	il31660,42e,,10132			
30	21201015ical-32	il41660,42e,,10132			
31	21201015ical-33	il51660,42e,,10132			
32	21201015ical-34	il61660,42e,,10132			
33	21201015ical-35	cicv4268,42e,,10141			
34	21201015ical-36	cicv3262,42e,,10139			
35	21201015ical-37	cicv1248,42e,,10140			
36	21201015ical-38	cicv2154,42e,,10138			
37	21201015ical-39	cicv1660,42e,,10137			
38	21201015ical-40	hexane			
39	21201015ical-41	cicv4268,42e,,10159			

Dep.: PCB
Inst: Pest_21
Date: **12/02/20**
Run: **a**

Method
GC: PCB

Seq: wg1440203

Vial	Data File	Sample	CCAL	notes	initials
1	21201202a-01	Instrument Blank			
2	21201202a-02	+1016/1260 pp10171	8:52am 15% 203-1 SH		JM 12/2
3	21201202a-03	WG1440039-1,42,,			JM 12/2
4	21201202a-04	WG1440039-2,42,,			JM 12/2
5	21201202a-05	WG1440039-3,42,,			JM 12/2
6	21201202a-06	L2053255-01,42,,			JM 12/2
7	21201202a-07	L2053255-02,42,,			JM 12/2
8	21201202a-08	L2053255-12,42,,			JM 12/2
9	21201202a-09	L2053255-13,42,,			JM 12/2
10	21201202a-10	L2053255-14,42,,			JM 12/2
11	21201202a-11	L2053255-15,42,,			JM 12/2
12	21201202a-12	L2053255-16,42,,			JM 12/2
13	21201202a-13	L2053255-17,42,,			JM 12/2
14	21201202a-14	L2053255-18,42,,		V to F-14 jm	JM 12/2
15	21201202a-15	WG1439161-1,42,,			
16	21201202a-16	WG1439161-2,42,,			
17	21201202a-17	WG1439161-3,42,,			
18	21201202a-18	L2052440-70,42,, low surr -rex			
19	21201202a-19	L2052440-81,42,,			
20	21201202a-20	L2052440-86,42,, 5x			
21	21201202a-21	L2052440-88,42,, 1000x		V to F21 SH	
22	21201202a-22	+1016/1260 pp10171			
23	21201202a-23	+1016/1260 pp10171	20% 8:44 pm 203-3 AD		
24	21201202a-24	L2052440-74,42,,rrco			
25	21201202a-25	L2052440-75d,42,5,			
26	21201202a-26	L2052440-76d,42,5,			
27	21201202a-27	L2052440-77d,42,5,			
28	21201202a-28	L2052440-79d,42,5,			
29	21201202a-29	L2052440-82d,42,100,			
30	21201202a-30	L2052440-83d,42,5,			
31	21201202a-31	L2052440-84d,42,5,			
32	21201202a-32	L2052440-85d,42,5,			
33	21201202a-33	L2052440-87d,42,5,p			
34	21201202a-34	WG1439135-6d,42,5,ms			
35	21201202a-35	WG1439135-7d,42,5,msd			
36	21201202a-36	L2053064-04,42,,			
37	21201202a-37	L2053064-03,42,,			
38	21201202a-38	L2053064-02,42,,			
39	21201202a-39	L2053064-01,42,,			
40	21201202a-40	L2052747-01,42,,			
41	21201202a-41	L2052486-01,42,,			
42	21201202a-42	L2052484-01,42,,			
43	21201202a-43	L2052482-01,42,,		v to F43 AD	

Dep.: PCB
Inst: Pest_7
Date: **12/04/20**
Run: **a**

Method
GC: PCB

Seq: wg1441136

Vial	Data File	Sample	CCAL	notes	initials
1	P7201204a-01	Instrument blank			
2	P7201204a-02	+1660 pp10171	8:39am 15% 136-1 jm		Cw 12/4
3	P7201204a-03	L2053569-01,42,,			Cw 12/4
4	P7201204a-04	L2053569-02,42,,			Cw 12/4
5	P7201204a-05	L2053641-01,42,,			Cw 12/4
6	P7201204a-06	L2053641-02,42,,			Cw 12/4
7	P7201204a-07	L2053641-03,42,,			Cw 12/4
8	P7201204a-08	L2053641-04,42,,			Cw 12/4
9	P7201204a-09	L2051957-01,42,,			Cw 12/4
10	P7201204a-10	L2051957-02,42,,			Cw 12/4
11	P7201204a-11	L2053254-01,42,,			Cw 12/4
12	P7201204a-12	L2053254-02,42,,			Cw 12/4
13	P7201204a-13	L2053254-03,42,,			Cw 12/4
14	P7201204a-14	L2053254-04,42,,			Cw 12/4
15	P7201204a-15	L2053283-04,42,,			Cw 12/4
16	P7201204a-16	L2053284-03,42,,			Cw 12/4
17	P7201204a-17	L2053284-05,42,,			Cw 12/4
18	P7201204a-18	L2053302-01,42,,			Cw 12/4
19	P7201204a-19	L2053131-01,42,,			Cw 12/4
20	P7201204a-20	L2053719-05,42,,			Cw 12/4
21	P7201204a-21	L2053629-11,42,,		V to F-21 jm	
22	P7201204a-22	+1660 pp10171	fails low, bake		
22	P7201204a-23	+1660 pp10171	15% 5:50PM 136-2 jaw		Ad 12/4
23	P7201204a-24	wg1440955-1,42e,,			Ad 12/4
24	P7201204a-25	wg1440955-2,42e,,			Ad 12/4
25	P7201204a-26	wg1440955-3,42e,,			Ad 12/4
26	P7201204a-27	l2052820-05,42e,,re		v to 27 jaw	Ad 12/4
27	P7201204a-28	wg1441318-1,42e,,			
28	P7201204a-29	wg1441318-2,42e,,			
29	P7201204a-30	wg1441318-3,42e,,			
30	P7201204a-31	l2053553-02,42e,,			
31	P7201204a-32	l2053624-09,42e,,			
32	P7201204a-33	l2053624-18,42e,,			
33	P7201204a-34	l2053770-01,42e,,			
34	P7201204a-35	l2053770-02,42e,,			
35	P7201204a-36	l2053770-03,42e,,			
36	P7201204a-37	l2053770-04,42e,,			
37	P7201204a-38	l2053770-05,42e,,			
38	P7201204a-39	l2053792-01,42e,,			
39	P7201204a-40	l2053792-02,42e,,			
40	P7201204a-41	l2053792-03,42e,,			
41	P7201204a-42	l2053792-04,42e,,			
42	P7201204a-43	+1660 pp10171		v to f43 jaw	

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Dec 07 2020, 05:49 pm

Work Group: WG1440039 for Department: 2 Organic Preparation

Created: 02-DEC-20 Due: Operator: EB

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2051957-01	SB23_0-2	S	NYTCL-8082	SOIL	DONE	U	1204	1208	S0	Glass-A.25
L2051957-02	SB23_5-6	S	NYTCL-8082	SOIL	DONE	U	1204	1208	S0	Glass-A.25
L2053254-01	DS-20_EL8.0	S	NYTCL-8082	SOIL	DONE	U	1215	1207	S0	Glass-A.25
L2053254-02	DS-20_EL6.0	S	NYTCL-8082	SOIL	DONE	U	1215	1207	S0	Glass-A.25
L2053254-03	DS-19_EL8.0	S	NYTCL-8082	SOIL	DONE	U	1215	1207	S0	Glass-A.25
L2053254-04	DS-19_EL6.0	S	NYTCL-8082	SOIL	DONE	U	1215	1207	S0	Glass-A.25
L2053255-01	A1-3A	S	NYTCL-8082	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-02	B1-1A	S	NYTCL-8082	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-12	B3-1	S	NYTCL-8082	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-13	C3-1	S	NYTCL-8082	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-14	C3-2	S	NYTCL-8082	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-15	C3-3	S	NYTCL-8082	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-16	C4-1	S	NYTCL-8082	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-17	C4-2	S	NYTCL-8082	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-18	C4-3	S	NYTCL-8082	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053283-04	EB13_0-2	S	NYTCL-8082	SOIL	DONE	U	1215	1207	S0	Glass-A.25
WG1440039-1	Laboratory Method Bl	S	NYTCL-8082	SOIL	DONE	U				
WG1440039-2	Laboratory Control S	S	NYTCL-8082	SOIL	DONE	U				
WG1440039-3	LCS Duplicate	S	NYTCL-8082	SOIL	DONE	U				

Comments:

WG1440039-3 WG1440039-2

ORGANIC ELN REPORT

Workgroup: WG1440039

Prep Method: EPA 3546
Solvent Type: 1:1 Hexane/Aceton **Lot #:** HA120120
Surrogate Type: Pesticide/PCB **Lot #:** PP-10174 (05-03-21)
Spike Type: PCB **Lot #:** PP-10161 (04-17-21)
Spike Verify by: EB / MKL
Lims Spikelot: PEST_5452

Additional Reagents/Stds

Na2SO4	0000255328

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Hexane
Lot #: EA081

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1: EPA 3665A
Cleanup Method 2:
Solvent Type: Hexane **Lot #:** EA081

Additional Reagents/Stds

H2SO4	2020092257

Cleanup 2

Cleanup Method 1: EPA 3660B
Cleanup Method 2:
Solvent Type: Hexane **Lot #:** EA081

Additional Reagents/Stds

Copper	027040-BL

Cleanup 3

Cleanup Method 1:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Cleanup 4

Cleanup Method 1:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction								Concentration			
	Extract Date	Analyst	Sample Weight g	Balance Id	Surr Amt ml	Spike Amt ml	Extract Unit Id	Stop Date/Time	Conc Date	Analyst	Final Vol ml	Conc Unit
L2051957-01 SOIL	12/02/20 13:36	Michael Lamb	15.62	#51	.25		MW9	N/A	12/03/20 20:49	Paolo Roffo	5	S-EVAP C/H#1
L2051957-02 SOIL	12/02/20 13:36	Michael Lamb	15.96	#51	.25		MW9	N/A	12/03/20 20:49	Paolo Roffo	5	S-EVAP C/H#1
L2053254-01 SOIL	12/02/20 13:36	Michael Lamb	15.67	#51	.25		MW9	N/A	12/03/20 20:49	Paolo Roffo	5	S-EVAP C/H#1
L2053254-02 SOIL	12/02/20 13:36	Michael Lamb	15.06	#51	.25		MW9	N/A	12/03/20 20:49	Paolo Roffo	5	S-EVAP C/H#1
L2053254-03 SOIL	12/02/20 13:36	Michael Lamb	15.45	#51	.25		MW9	N/A	12/03/20 20:49	Paolo Roffo	5	S-EVAP C/H#1

Reported: 07-DEC-20 05:54 PM

ORGANIC ELN REPORT

Workgroup: WG1440039

Sample/ Type	Extraction								Concentration			
	Extract Date	Analyst	Sample Weight g	Balance Id	Surr Amt ml	Spike Amt ml	Extract Unit Id	Stop Date/Time	Conc Date	Analyst	Final Vol ml	Conc Unit
L2053254-04 SOIL	12/02/20 13:36	Michael Lamb	15.25	#51	.25		MW9	N/A	12/03/20 20:49	Paolo Roffo	5	S-EVAP C/H#1
L2053255-01 SOIL	12/02/20 05:43	Eric Baawuah	15.85	#51	.25		MWL	N/A	12/02/20 09:49	Priscilla Anim	5	S-EVAP C/H#1
L2053255-02 SOIL	12/02/20 05:43	Eric Baawuah	15.51	#51	.25		MWL	N/A	12/02/20 09:49	Priscilla Anim	5	S-EVAP C/H#1
L2053255-12 SOIL	12/02/20 05:43	Eric Baawuah	15.09	#51	.25		MWL	N/A	12/02/20 09:49	Priscilla Anim	5	S-EVAP C/H#1
L2053255-13 SOIL	12/02/20 05:43	Eric Baawuah	15.09	#51	.25		MWL	N/A	12/02/20 09:49	Priscilla Anim	5	S-EVAP C/H#1
L2053255-14 SOIL	12/02/20 05:43	Eric Baawuah	15.31	#51	.25		MWL	N/A	12/02/20 09:49	Priscilla Anim	5	S-EVAP C/H#1
L2053255-15 SOIL	12/02/20 05:43	Eric Baawuah	15.83	#51	.25		MWL	N/A	12/02/20 09:49	Priscilla Anim	5	S-EVAP C/H#1
L2053255-16 SOIL	12/02/20 05:43	Eric Baawuah	15.16	#51	.25		MWL	N/A	12/02/20 09:49	Priscilla Anim	5	S-EVAP C/H#1
L2053255-17 SOIL	12/02/20 05:43	Eric Baawuah	15.62	#51	.25		MWL	N/A	12/02/20 09:49	Priscilla Anim	5	S-EVAP C/H#1
L2053255-18 SOIL	12/02/20 05:43	Eric Baawuah	15.86	#51	.25		MWL	N/A	12/02/20 09:49	Priscilla Anim	5	S-EVAP C/H#1

Reported: 07-DEC-20 05:54 PM

ORGANIC ELN REPORT

Workgroup: WG1440039

Sample/ Type	Extraction								Concentration			
	Extract Date	Analyst	Sample Weight **g**	Balance Id	Surr Amt **ml**	Spike Amt **ml**	Extract Unit Id	Stop Date/Time	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2053283-04 SOIL	12/02/20 13:36	Michael Lamb	15.75	#51	.25		MW9	N/A	12/03/20 20:49	Paolo Roffo	5	S-EVAP C/H#1
WG1440039-1 BLANK	12/02/20 05:43	Eric Baawuah	15.88	#51	.25		MWL	N/A	12/02/20 09:49	Priscilla Anim	5	S-EVAP C/H#1
WG1440039-2 LCS	12/02/20 05:43	Eric Baawuah	15.33	#51	.25	.25	MWL	N/A	12/02/20 09:49	Priscilla Anim	5	S-EVAP C/H#1
WG1440039-3 LCSD	12/02/20 05:43	Eric Baawuah	15.38	#51	.25	.25	MWL	N/A	12/02/20 09:49	Priscilla Anim	5	S-EVAP C/H#1

ORGANIC ELN REPORT

Workgroup: WG1440039

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
L2051957-01 SOIL	12/04/20 00:59	Annabella Sarfo	5	1	12/04/20 05:05	Zenab Kaba
L2051957-02 SOIL	12/04/20 00:59	Annabella Sarfo	5	1	12/04/20 05:05	Zenab Kaba
L2053254-01 SOIL	12/04/20 00:59	Annabella Sarfo	5	1	12/04/20 05:05	Zenab Kaba
L2053254-02 SOIL	12/04/20 00:59	Annabella Sarfo	5	1	12/04/20 05:05	Zenab Kaba
L2053254-03 SOIL	12/04/20 00:59	Annabella Sarfo	5	1	12/04/20 05:05	Zenab Kaba
L2053254-04 SOIL	12/04/20 00:59	Annabella Sarfo	5	1	12/04/20 05:05	Zenab Kaba
L2053255-01 SOIL	12/02/20 09:54	Kamerry Keo	5	1	12/02/20 10:50	Maranda Cardiel
L2053255-02 SOIL	12/02/20 09:54	Kamerry Keo	5	1	12/02/20 10:50	Maranda Cardiel
L2053255-12 SOIL	12/02/20 09:54	Kamerry Keo	5	1	12/02/20 10:50	Maranda Cardiel
L2053255-13 SOIL	12/02/20 09:54	Kamerry Keo	5	1	12/02/20 10:50	Maranda Cardiel
L2053255-14 SOIL	12/02/20 09:54	Kamerry Keo	5	1	12/02/20 10:50	Maranda Cardiel

ORGANIC ELN REPORT

Workgroup: WG1440039

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
L2053255-15 SOIL	12/02/20 09:54	Kamerry Keo	5	1	12/02/20 10:50	Maranda Cardiel
L2053255-16 SOIL	12/02/20 09:54	Kamerry Keo	5	1	12/02/20 10:50	Maranda Cardiel
L2053255-17 SOIL	12/02/20 09:54	Kamerry Keo	5	1	12/02/20 10:50	Maranda Cardiel
L2053255-18 SOIL	12/02/20 09:54	Kamerry Keo	5	1	12/02/20 10:50	Maranda Cardiel
L2053283-04 SOIL	12/04/20 00:59	Annabella Sarfo	5	1	12/04/20 05:05	Zenab Kaba
WG1440039-1 BLANK	12/02/20 09:54	Kamerry Keo	5	1	12/02/20 10:50	Maranda Cardiel
WG1440039-2 LCS	12/02/20 09:54	Kamerry Keo	5	1	12/02/20 10:50	Maranda Cardiel
WG1440039-3 LCSD	12/02/20 09:54	Kamerry Keo	5	1	12/02/20 10:50	Maranda Cardiel

GC Extractable Analysis
Pesticides

Pesticide QC Summary

Surrogate Recovery Summary
Form 2
Pesticides

Client: Langan Engineering & Environmental
Project Name: 266-270 W. 96TH STREET

Lab Number: L2051957
Project Number: 170432001
Matrix: Soil

GC Column 1: CLPPesticides
GC Column 2: CLPPesticidesII

CLIENT ID (LAB SAMPLE NO.)	DCB 1 %REC	DCB 2 %REC	TCX 1 %REC	TCX 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
SB23_0-2 (L2051957-01)	79	108	65	62			0
SB23_5-6 (L2051957-02)	96	108	81	79			0
WG1440014-1BLANK	109	83	76	89			0
WG1440014-2LCS	130	95	84	94			0
WG1440014-3LCSD	113	89	84	99			0

QC LIMITS
(30-150) DCBP = DECACHLOROBIPHENYL
(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE

*** Values outside of QC limits**

FORM II NYTCL-8081

Laboratory Control Sample Summary
Form 3
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Matrix	: SOIL		
LCS Sample ID	: WG1440014-2 **Analysis Date** : 12/02/20 09:36	**File ID**	: 18201202a-08
LCSD Sample ID	: WG1440014-3 **Analysis Date** : 12/02/20 09:46	**File ID**	: 18201202a-09

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
Delta-BHC	32	26.9	84	32.4	27.1	84	0	30-150	30
Lindane	32	24.3	76	32.4	24.3	75	1	30-150	30
Alpha-BHC	32	25.5	80	32.4	25.3	78	3	30-150	30
Beta-BHC	32	27.2	85	32.4	25.9	80	6	30-150	30
Heptachlor	32	31.3	98	32.4	31.1	96	2	30-150	30
Aldrin	32	26.6	83	32.4	25.3	78	6	30-150	30
Heptachlor epoxide	32	26.6	83	32.4	24.7	76	9	30-150	30
Endrin	32	30.6	96	32.4	28.5	88	9	30-150	30
Endrin aldehyde	32	24.7	77	32.4	22.5	70	10	30-150	30
Endrin ketone	32	25.0	78	32.4	23.2	72	8	30-150	30
Dieldrin	32	27.9	87	32.4	26.0	80	8	30-150	30
4,4'-DDE	32	28.6	89	32.4	26.2	81	9	30-150	30
4,4'-DDD	32	31.0	97	32.4	28.2	87	11	30-150	30
4,4'-DDT	32	28.9	90	32.4	26.6	82	9	30-150	30
Endosulfan I	32	26.2	82	32.4	24.3	75	9	30-150	30
Endosulfan II	32	28.1	88	32.4	26.0	80	10	30-150	30
Endosulfan sulfate	32	22.6	71	32.4	21.1	65	9	30-150	30
Methoxychlor	32	31.1	97	32.4	27.8	86	12	30-150	30
cis-Chlordane	32	25.2	79	32.4	23.3	72	9	30-150	30
trans-Chlordane	32	26.6	83	32.4	24.4	75	10	30-150	30

Method Blank Summary
Form 4
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab Sample ID	: WG1440014-1	**Lab File ID**	: 18201202a-07
Matrix	: SOIL	**Extraction Date**	: 12/02/20
Analysis Date (1)	: 12/02/20 09:25	**Analysis Date (2)**	: 12/02/20 09:25
Instrument ID (1)	: PEST18	**Instrument ID (2)**	: PEST18

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1440014-2LCS	WG1440014-2	12/02/20 09:36	12/02/20 09:36
WG1440014-3LCSD	WG1440014-3	12/02/20 09:46	12/02/20 09:46
SB23_0-2	L2051957-01	12/03/20 11:48	12/03/20 11:48
SB23_5-6	L2051957-02	12/03/20 11:59	12/03/20 11:59

Analytical Sequence
Form 8b
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: PEST11	**Initial Calib. Date(s)**	: 11/05/20 11/05/20

Client ID	Lab ID	Date/Time Analyzed
R1371367-23 PEM	R1371367-23	11/05/20 16:43
Pesticides L1 (0.5ug/L)	R1371367-1	11/05/20 16:54
Pesticides L2 (1.0ug/L)	R1371367-2	11/05/20 17:05
Pesticides L3 (2.0ug/L)	R1371367-3	11/05/20 17:16
Pesticides L4 (3.0ug/L)	R1371367-4	11/05/20 17:27
Pesticides L5 (4.0ug/L)	R1371367-6	11/05/20 17:38
Pesticides L6 (5.0ug/L)	R1371367-5	11/05/20 17:49
Pesticides L7 (10.0ug/L)	R1371367-9	11/05/20 18:00
Pesticides L8 (50.0ug/L)	R1371367-7	11/05/20 18:12
Pesticides L9 (100ug/L)	R1371367-10	11/05/20 18:22
Pesticides L10 (200ug/L)	R1371367-8	11/05/20 18:34
R1371367-13 ICV	R1371367-13	11/05/20 18:45
Chlordane L2 (10ug/L)	R1371367-11	11/05/20 18:57
Chlordane L3 (20ug/L)	R1371367-12	11/05/20 19:08
Chlordane L4 (100ug/L)	R1371367-15	11/05/20 19:20
Chlordane L6 (500ug/L)	R1371367-14	11/05/20 19:31
Chlordane L7 (1000ug/L)	R1371367-16	11/05/20 19:43
Chlordane L8 (2000ug/L)	R1371367-19	11/05/20 19:54
R1371367-17 ICV	R1371367-17	11/05/20 20:06
Toxaphene L2 (20.0ug/l)	R1371367-18	11/05/20 20:17
Toxaphene L7 (2000ug/L)	R1371367-20	11/05/20 20:28
Toxaphene L8 (5000ug/L)	R1371367-21	11/05/20 20:40
R1371367-22 ICV	R1371367-22	11/05/20 20:51
R1378781-1 PEM	R1378781-1	12/03/20 05:24
WG1440679-2 CCAL	WG1440679-2	12/03/20 05:45
WG1440679-3 CCAL	WG1440679-3	12/03/20 05:56
WG1440679-1 CCAL	WG1440679-1	12/03/20 08:50
SB23_0-2	L2051957-01	12/03/20 11:48
SB23_5-6	L2051957-02	12/03/20 11:59

Analytical Sequence
Form 8b
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: PEST18	**Initial Calib. Date(s)**	: 10/19/20 10/19/20

Client ID	Lab ID	Date/Time Analyzed
R1363107-1 PEM	R1363107-1	10/19/20 17:51
Pesticides L1 (0.5ug/	R1363107-3	10/19/20 18:02
Pesticides L2 (1.0ug/L)	R1363107-2	10/19/20 18:12
Pesticides L3 (2.0ug/L)	R1363107-4	10/19/20 18:22
Pesticides L4 (3.0ug/L)	R1363107-6	10/19/20 18:32
Pesticides L5 (4.0ug/L)	R1363107-5	10/19/20 18:42
Pesticides L6 (5.0ug/L)	R1363107-8	10/19/20 18:52
Pesticides L7 (10.0ug/L)	R1363107-7	10/19/20 19:02
Pesticides L8 (50.0ug/L)	R1363107-9	10/19/20 19:12
Pesticides L9 (100ug/L)	R1363107-10	10/19/20 19:22
Pesticides L10 (200ug/L)	R1363107-12	10/19/20 19:32
Chlordane RL Check	R1363107-14	10/19/20 20:03
Chlordane L7 (1000ug/L)	R1363107-11	10/19/20 20:13
Toxaphene L2 (20.0ug/l)	R1363107-13	10/19/20 20:33
Toxaphene L7 (2000ug/L)	R1363107-16	10/19/20 20:43
Toxaphene L8 (5000ug/L)	R1363107-15	10/19/20 20:53
R1363107-17 ICV	R1363107-17	10/19/20 21:03
R1363107-20 PEM	R1363107-20	10/20/20 10:45
R1363107-19 ICV	R1363107-19	10/20/20 10:55
R1363107-18 ICV	R1363107-18	10/20/20 11:05
R1378160-1 PEM	R1378160-1	12/02/20 08:07
WG1440148-2 CCAL	WG1440148-2	12/02/20 08:27
WG1440148-3 CCAL	WG1440148-3	12/02/20 08:37
WG1440148-1 CCAL	WG1440148-1	12/02/20 08:47
WG1440014-1 BLANK	WG1440014-1	12/02/20 09:25
WG1440014-2 LCS	WG1440014-2	12/02/20 09:36
WG1440014-3 LCSD	WG1440014-3	12/02/20 09:46

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File: PM2964-1
Page: 1

Pesticides - EPA 8081B (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 500ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Delta-BHC	319-86-8	0.02	0.00467	ug/l	30-150	20	30-150	30	30			
Lindane	58-89-9	0.02	0.00434	ug/l	30-150	20	30-150	30	30			
Alpha-BHC	319-84-6	0.02	0.00439	ug/l	30-150	20	30-150	30	30			
Beta-BHC	319-85-7	0.02	0.0056	ug/l	30-150	20	30-150	30	30			
Heptachlor	76-44-8	0.02	0.0031	ug/l	30-150	20	30-150	30	30			
Aldrin	309-00-2	0.02	0.00216	ug/l	30-150	20	30-150	30	30			
Heptachlor epoxide	1024-57-3	0.02	0.00415	ug/l	30-150	20	30-150	30	30			
Endrin	72-20-8	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
Endrin aldehyde	7421-93-4	0.04	0.0081	ug/l	30-150	20	30-150	30	30			
Endrin ketone	53494-70-5	0.04	0.00477	ug/l	30-150	20	30-150	30	30			
Dieldrin	60-57-1	0.04	0.00429	ug/l	30-150	20	30-150	30	30			
4,4'-DDE	72-55-9	0.04	0.00381	ug/l	30-150	20	30-150	30	30			
4,4'-DDD	72-54-8	0.04	0.00464	ug/l	30-150	20	30-150	30	30			
4,4'-DDT	50-29-3	0.04	0.00432	ug/l	30-150	20	30-150	30	30			
Endosulfan I	959-98-8	0.02	0.00345	ug/l	30-150	20	30-150	30	30			
Endosulfan II	33213-65-9	0.04	0.00519	ug/l	30-150	20	30-150	30	30			
Endosulfan sulfate	1031-07-8	0.04	0.00481	ug/l	30-150	20	30-150	30	30			
Methoxychlor	72-43-5	0.2	0.00684	ug/l	30-150	20	30-150	30	30			
Toxaphene	8001-35-2	0.2	0.0627	ug/l	30-150	20	30-150	30	30			
Chlordane	57-74-9	0.2	0.0463	ug/l	40-140	20	30-150	30	30			
cis-Chlordane	5103-71-9	0.02	0.00666	ug/l	30-150	20	30-150	30	30			
trans-Chlordane	5103-74-2	0.02	0.00627	ug/l	30-150	20	30-150	30	30			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

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Page: 1

Pesticides - EPA 8081B (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Delta-BHC	319-86-8	8.00	1.58	ug/kg	30-150	30	30-150	50	50			
Lindane	58-89-9	3.33	1.49	ug/kg	30-150	30	30-150	50	50			
Alpha-BHC	319-84-6	3.33	0.95	ug/kg	30-150	30	30-150	50	50			
Beta-BHC	319-85-7	8.00	3.03	ug/kg	30-150	30	30-150	50	50			
Heptachlor	76-44-8	4.00	1.79	ug/kg	30-150	30	30-150	50	50			
Aldrin	309-00-2	8.00	2.82	ug/kg	30-150	30	30-150	50	50			
Heptachlor epoxide	1024-57-3	15.0	4.50	ug/kg	30-150	30	30-150	50	50			
Endrin	72-20-8	3.33	1.37	ug/kg	30-150	30	30-150	50	50			
Endrin aldehyde	7421-93-4	10.0	3.50	ug/kg	30-150	30	30-150	50	50			
Endrin ketone	53494-70-5	8.00	2.06	ug/kg	30-150	30	30-150	50	50			
Dieldrin	60-57-1	5.00	2.50	ug/kg	30-150	30	30-150	50	50			
4,4'-DDE	72-55-9	8.00	1.85	ug/kg	30-150	30	30-150	50	50			
4,4'-DDD	72-54-8	8.00	2.85	ug/kg	30-150	30	30-150	50	50			
4,4'-DDT	50-29-3	15.0	6.43	ug/kg	30-150	30	30-150	50	50			
Endosulfan I	959-98-8	8.00	1.89	ug/kg	30-150	30	30-150	50	50			
Endosulfan II	33213-65-9	8.00	2.67	ug/kg	30-150	30	30-150	50	50			
Endosulfan sulfate	1031-07-8	3.33	1.52	ug/kg	30-150	30	30-150	50	50			
Methoxychlor	72-43-5	15.0	4.67	ug/kg	30-150	30	30-150	50	50			
Toxaphene	8001-35-2	150	42.0	ug/kg	30-150	30	30-150	50	50			
Chlordane	57-74-9	65.0	26.5	ug/kg	30-150	30	30-150	50	50			
cis-Chlordane	5103-71-9	10.0	2.79	ug/kg	30-150	30	30-150	50	50			
trans-Chlordane	5103-74-2	10.0	2.64	ug/kg	30-150	30	30-150	50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Pesticide Sample Data

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Lab ID	: L2051957-01	Date Collected	: 11/20/20 10:15
Client ID	: SB23_0-2	Date Received	: 11/20/20
Sample Location	: NEW YORK, NY	Date Analyzed	: 12/03/20 11:48
Sample Matrix	: SOIL	Date Extracted	: 12/02/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 11201203a-13	Analyst	: SC
Sample Amount	: 15.46 g	Instrument ID	: PEST11
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 86
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.81	0.354	U
58-89-9	Lindane	ND	0.754	0.337	U
319-84-6	Alpha-BHC	ND	0.754	0.214	U
319-85-7	Beta-BHC	ND	1.81	0.686	U
76-44-8	Heptachlor	ND	0.905	0.406	U
309-00-2	Aldrin	ND	1.81	0.637	U
1024-57-3	Heptachlor epoxide	ND	3.39	1.02	U
72-20-8	Endrin	ND	0.754	0.309	U
7421-93-4	Endrin aldehyde	ND	2.26	0.792	U
53494-70-5	Endrin ketone	ND	1.81	0.466	U
60-57-1	Dieldrin	ND	1.13	0.565	U
72-55-9	4,4'-DDE	ND	1.81	0.418	U
72-54-8	4,4'-DDD	ND	1.81	0.645	U
50-29-3	4,4'-DDT	ND	3.39	1.45	U
959-98-8	Endosulfan I	ND	1.81	0.427	U
33213-65-9	Endosulfan II	ND	1.81	0.605	U
1031-07-8	Endosulfan sulfate	ND	0.754	0.359	U
72-43-5	Methoxychlor	ND	3.39	1.06	U
8001-35-2	Toxaphene	ND	33.9	9.50	U
5103-71-9	cis-Chlordane	ND	2.26	0.630	U
5103-74-2	trans-Chlordane	ND	2.26	0.597	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: L2051957-01	**Date Collected**	: 11/20/20 10:15
Client ID	: SB23_0-2	**Date Received**	: 11/20/20
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 12/03/20 11:48
Sample Matrix	: SOIL	**Date Extracted**	: 12/02/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11201203a-13	**Analyst**	: SC
Sample Amount	: 15.46 g	**Instrument ID**	: PEST11
Extraction Method	: EPA 3546	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: 86
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	15.1	5.99	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Lab ID	: L2051957-02	Date Collected	: 11/20/20 10:30
Client ID	: SB23_5-6	Date Received	: 11/20/20
Sample Location	: NEW YORK, NY	Date Analyzed	: 12/03/20 11:59
Sample Matrix	: SOIL	Date Extracted	: 12/02/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 11201203a-14	Analyst	: BM
Sample Amount	: 15.16 g	Instrument ID	: PEST11
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 84
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.89	0.371	U
58-89-9	Lindane	ND	0.789	0.353	U
319-84-6	Alpha-BHC	ND	0.789	0.224	U
319-85-7	Beta-BHC	ND	1.89	0.718	U
76-44-8	Heptachlor	ND	0.947	0.424	U
309-00-2	Aldrin	ND	1.89	0.667	U
1024-57-3	Heptachlor epoxide	ND	3.55	1.06	U
72-20-8	Endrin	ND	0.789	0.324	U
7421-93-4	Endrin aldehyde	ND	2.37	0.828	U
53494-70-5	Endrin ketone	ND	1.89	0.488	U
60-57-1	Dieldrin	ND	1.18	0.592	U
72-55-9	4,4'-DDE	ND	1.89	0.438	U
72-54-8	4,4'-DDD	ND	1.89	0.675	U
50-29-3	4,4'-DDT	ND	3.55	1.52	U
959-98-8	Endosulfan I	ND	1.89	0.447	U
33213-65-9	Endosulfan II	ND	1.89	0.633	U
1031-07-8	Endosulfan sulfate	ND	0.789	0.376	U
72-43-5	Methoxychlor	ND	3.55	1.10	U
8001-35-2	Toxaphene	ND	35.5	9.94	U
5103-71-9	cis-Chlordane	ND	2.37	0.660	U
5103-74-2	trans-Chlordane	ND	2.37	0.625	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: L2051957-02	**Date Collected**	: 11/20/20 10:30
Client ID	: SB23_5-6	**Date Received**	: 11/20/20
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 12/03/20 11:59
Sample Matrix	: SOIL	**Date Extracted**	: 12/02/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11201203a-14	**Analyst**	: BM
Sample Amount	: 15.16 g	**Instrument ID**	: PEST11
Extraction Method	: EPA 3546	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: 84
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	15.8	6.27	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Lab ID	: WG1440014-1	Date Collected	: NA
Client ID	: WG1440014-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/02/20 09:25
Sample Matrix	: SOIL	Date Extracted	: 12/02/20
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18201202a-07	Analyst	: BM
Sample Amount	: 15.25 g	Instrument ID	: PEST18
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: NA
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.57	0.308	U
58-89-9	Lindane	ND	0.656	0.293	U
319-84-6	Alpha-BHC	ND	0.656	0.186	U
319-85-7	Beta-BHC	ND	1.57	0.597	U
76-44-8	Heptachlor	ND	0.787	0.353	U
309-00-2	Aldrin	ND	1.57	0.554	U
1024-57-3	Heptachlor epoxide	ND	2.95	0.885	U
72-20-8	Endrin	ND	0.656	0.269	U
7421-93-4	Endrin aldehyde	ND	1.97	0.688	U
53494-70-5	Endrin ketone	ND	1.57	0.405	U
60-57-1	Dieldrin	ND	0.984	0.492	U
72-55-9	4,4'-DDE	ND	1.57	0.364	U
72-54-8	4,4'-DDD	ND	1.57	0.561	U
50-29-3	4,4'-DDT	ND	2.95	1.26	U
959-98-8	Endosulfan I	ND	1.57	0.372	U
33213-65-9	Endosulfan II	ND	1.57	0.526	U
1031-07-8	Endosulfan sulfate	ND	0.656	0.312	U
72-43-5	Methoxychlor	ND	2.95	0.918	U
8001-35-2	Toxaphene	ND	29.5	8.26	U
5103-71-9	cis-Chlordane	ND	1.97	0.548	U
5103-74-2	trans-Chlordane	ND	1.97	0.519	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: WG1440014-1	**Date Collected**	: NA
Client ID	: WG1440014-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/02/20 09:25
Sample Matrix	: SOIL	**Date Extracted**	: 12/02/20
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18201202a-07	**Analyst**	: BM
Sample Amount	: 15.25 g	**Instrument ID**	: PEST18
Extraction Method	: EPA 3546	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: NA
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	13.1	5.21	U

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201203a\
Data File : 11201203a-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Dec 2020 11:48 am
Operator : PEST11:sc
Sample : l2051957-01,42,,
Misc : wg1440679,wg1440014,ical17340
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 15:16:28 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest11\201203a\11201203a-06.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.203	1.309	67500748	87316512	25.000M3	25.000
	Standard Area 1 : #1 = 63296909				Recovery = 106.64%		
	Standard Area 1 : #2 = 68757348				Recovery = 126.99%		
28) i	1-br-2-nb_Ch	1.203	1.309	67500748	87316512	25.000M3	25.000
33) i	1-br-2-nb_To	1.203	1.309	67500748	87316512	25.000M3	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.532	1.775	109.4E6	132.4E6	32.496	30.999M3
	Spiked Amount 50.000	Range 30 - 150			Recovery = 64.99%		62.00%
27) s	Decachlorobi	6.155	6.865	109.4E6	134.0E6	39.718M3	54.024
	Spiked Amount 50.000	Range 30 - 150			Recovery = 79.44%		108.05%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest11\201203a\
Data File : 11201203a-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Dec 2020 11:48 am
Operator : PEST11:sc
Sample : l2051957-01,42,,
Misc : wg1440679,wg1440014,ical17340
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 15:16:28 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest11\201203a\11201203a-06.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

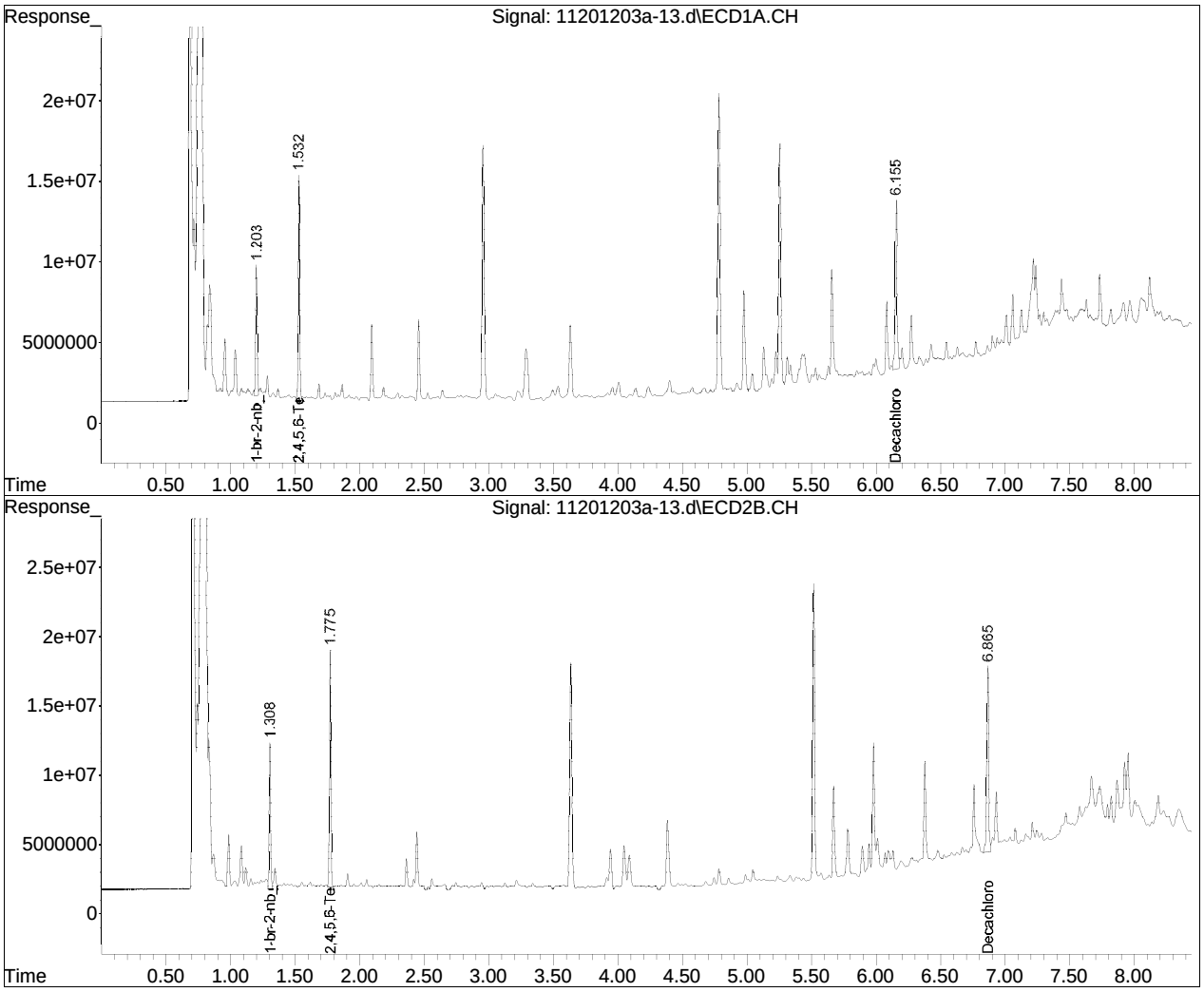
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda-06.d••d)

Data Path : I:\Pest11\201203a\
Data File : 11201203a-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Dec 2020 11:48 am
Operator : PEST11:sc
Sample : l2051957-01,42,,
Misc : wg1440679,wg1440014,ical17340
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 15:16:28 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

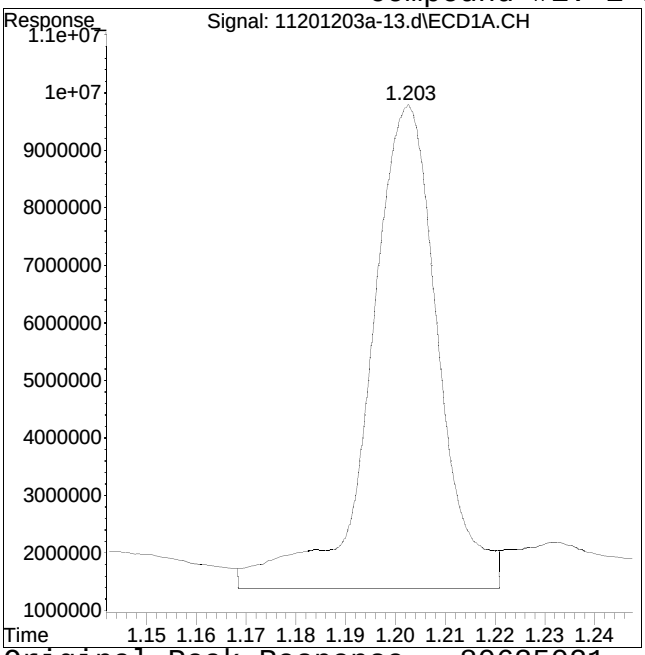


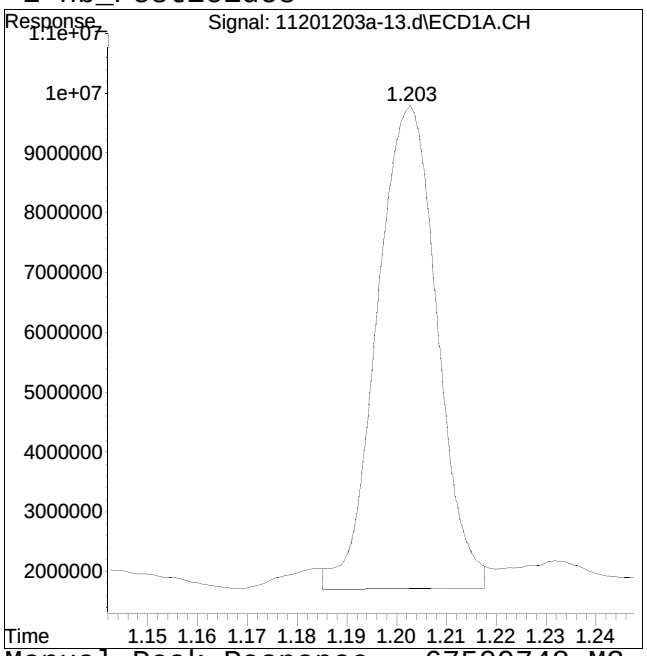
Manual Integration Report

Data Path : I:\Pest11\201203a\
Data File : 11201203a-13.d
Date Inj'd : 12/3/2020 11:48 am
Sample : l2051957-01,42,,

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:sc
Instrument : Pest 11
Quant Date : 12/4/2020 3:14 pm

Compound #1: 1-br-2-nb_Pesticides



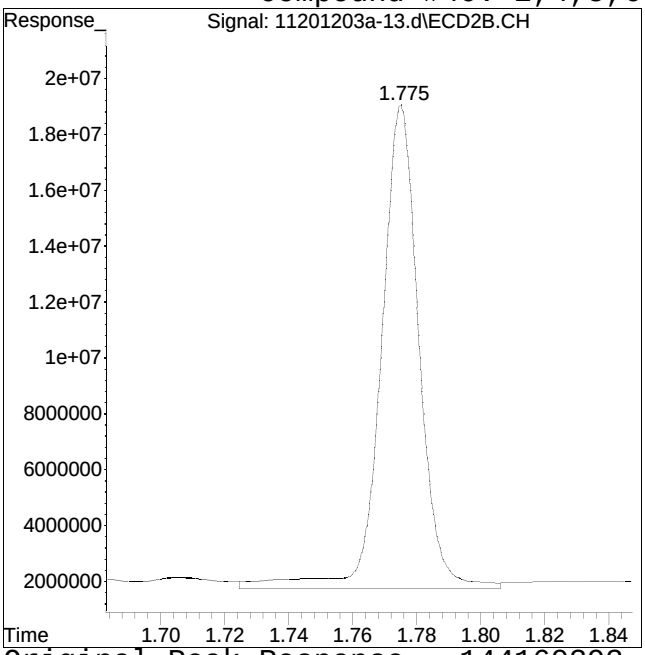


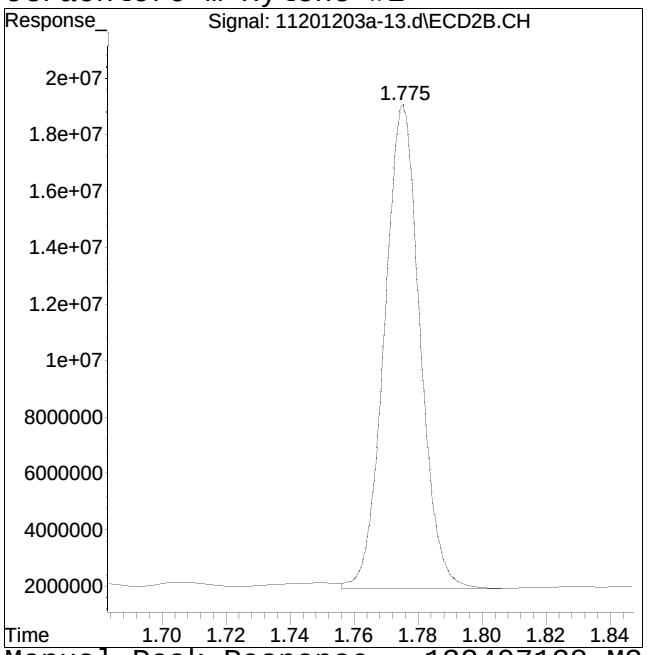
Original Peak Response = 80635021 Manual Peak Response = 67500748 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path	: I:\Pest11\201203a\	QMethod	: pest11_11_05_20_ugL_ICAL
Data File	: 11201203a-13.d	Operator	: PEST11:sc
Date Inj'd	: 12/3/2020 11:48 am	Instrument	: Pest 11
Sample	: l2051957-01,42,,	Quant Date	: 12/4/2020 3:14 pm

Compound #40: 2,4,5,6-Tetrachloro-m-xylene #2





Original Peak Response = 144160393 Manual Peak Response = 132407128 M3

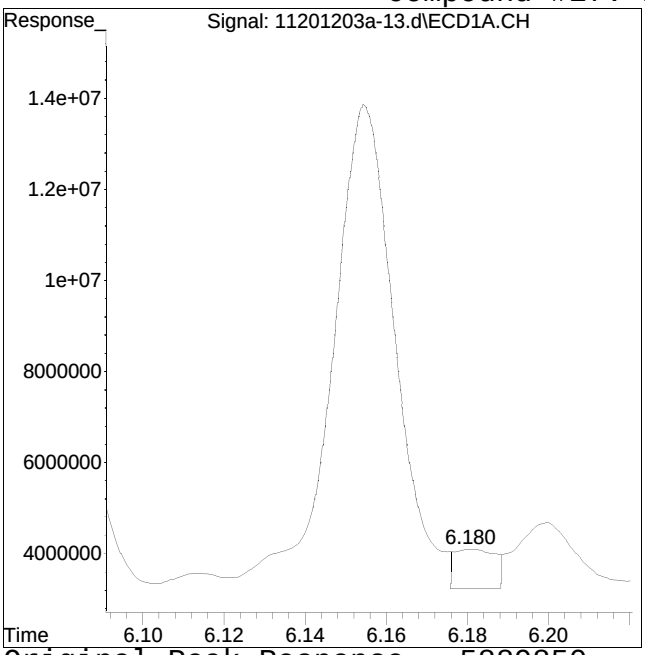
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

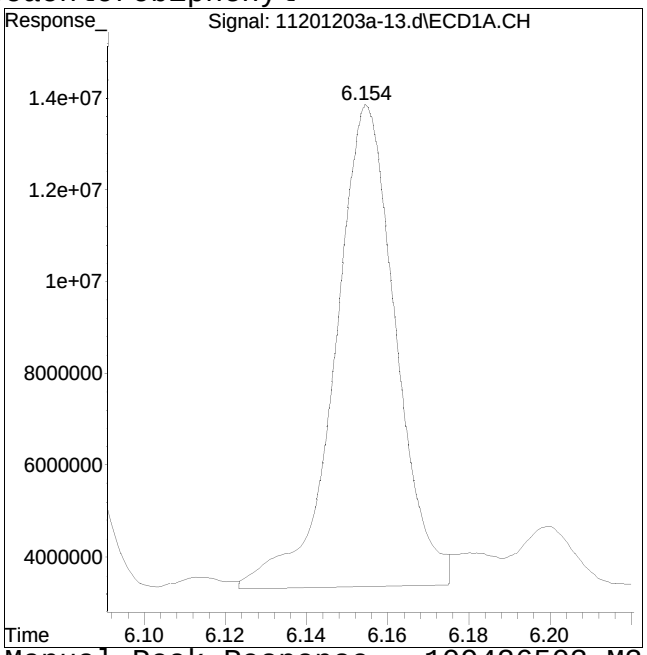
Manual Integration Report

Data Path : I:\Pest11\201203a\
Data File : 11201203a-13.d
Date Inj'd : 12/3/2020 11:48 am
Sample : l2051957-01,42,,

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:sc
Instrument : Pest 11
Quant Date : 12/4/2020 3:14 pm

Compound #27: Decachlorobiphenyl





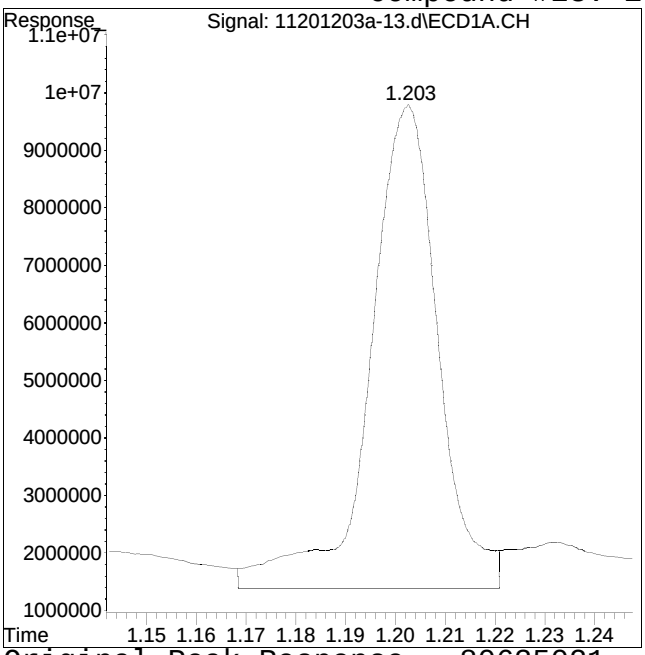
Original Peak Response = 5889850 Manual Peak Response = 109426503 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

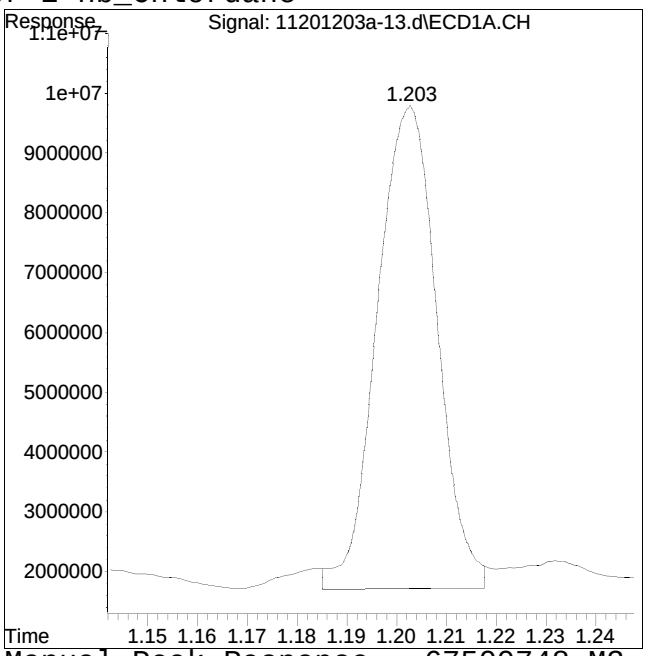
Manual Integration Report

Data Path : I:\Pest11\201203a\
Data File : 11201203a-13.d
Date Inj'd : 12/3/2020 11:48 am
Sample : l2051957-01,42,,

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:sc
Instrument : Pest 11
Quant Date : 12/4/2020 3:14 pm

Compound #28: 1-br-2-nb_Chlordane





Original Peak Response = 80635021 Manual Peak Response = 67500748 M3

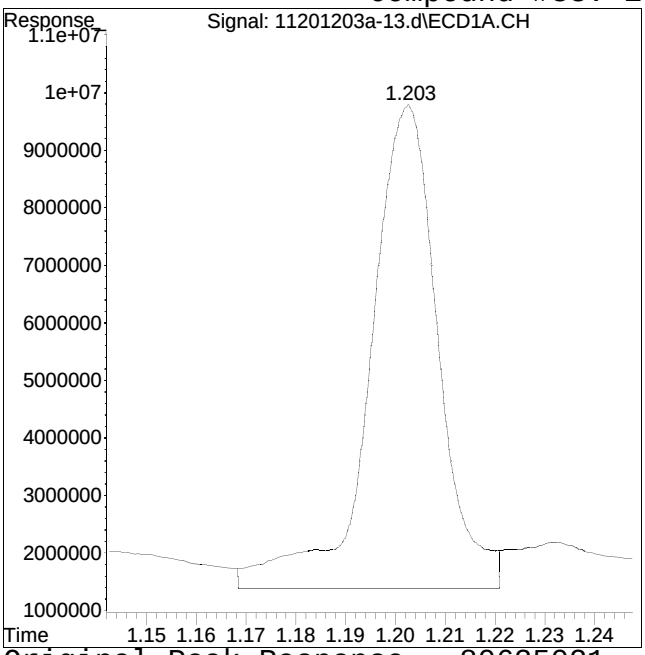
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

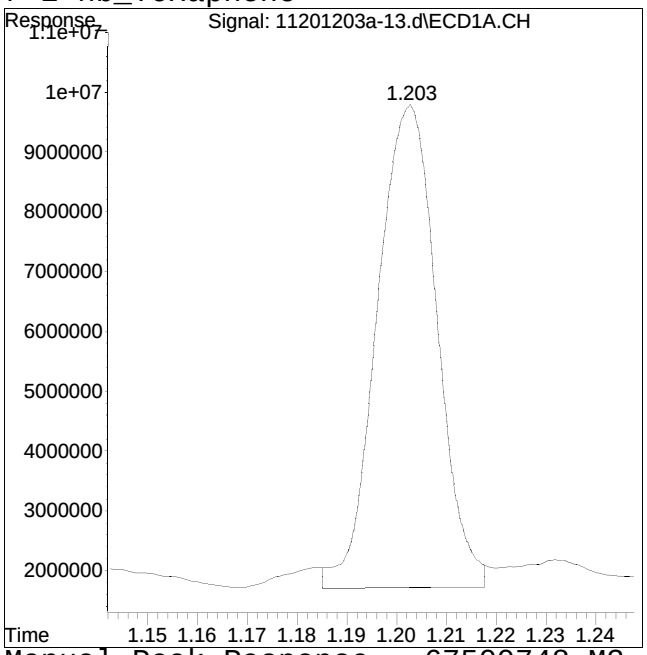
Manual Integration Report

Data Path : I:\Pest11\201203a\
Data File : 11201203a-13.d
Date Inj'd : 12/3/2020 11:48 am
Sample : l2051957-01,42,,

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:sc
Instrument : Pest 11
Quant Date : 12/4/2020 3:14 pm

Compound #33: 1-br-2-nb_Toxaphene





Original Peak Response = 80635021 Manual Peak Response = 67500748 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201203a\
Data File : 11201203a-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Dec 2020 11:59 am
Operator : PEST11:bm
Sample : l2051957-02,42e,, (Sig #1); L2052862-04d,42e,5,ddd (Sig #2)
Misc : wg1440679,wg1440014,ical17340
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 15:17:33 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest11\201203a\11201203a-06.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.202	1.308	71360005	92511483	25.000M4	25.000
	Standard Area 1 : #1 = 63296909				Recovery = 112.74%		
	Standard Area 1 : #2 = 68757348				Recovery = 134.55%		
28) i	1-br-2-nb_Ch	1.202	1.308	71360005	92511483	25.000M4	25.000
33) i	1-br-2-nb_To	1.202	1.308	71360005	92511483	25.000M4	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.531	1.775	144.4E6	179.9E6	40.592	39.744
	Spiked Amount	50.000	Range 30 - 150		Recovery =	81.18%	79.49%
27) s	Decachlorobi	6.155	6.866	138.8E6	142.3E6	48.074	54.161
	Spiked Amount	50.000	Range 30 - 150		Recovery =	96.15%	108.32%
Target Compounds							
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201203a\
Data File : 11201203a-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Dec 2020 11:59 am
Operator : PEST11:bm
Sample : l2051957-02,42e,, (Sig #1); L2052862-04d,42e,5,ddd (Sig #2)
Misc : wg1440679,wg1440014,ical17340
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 15:17:33 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest11\201203a\11201203a-06.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

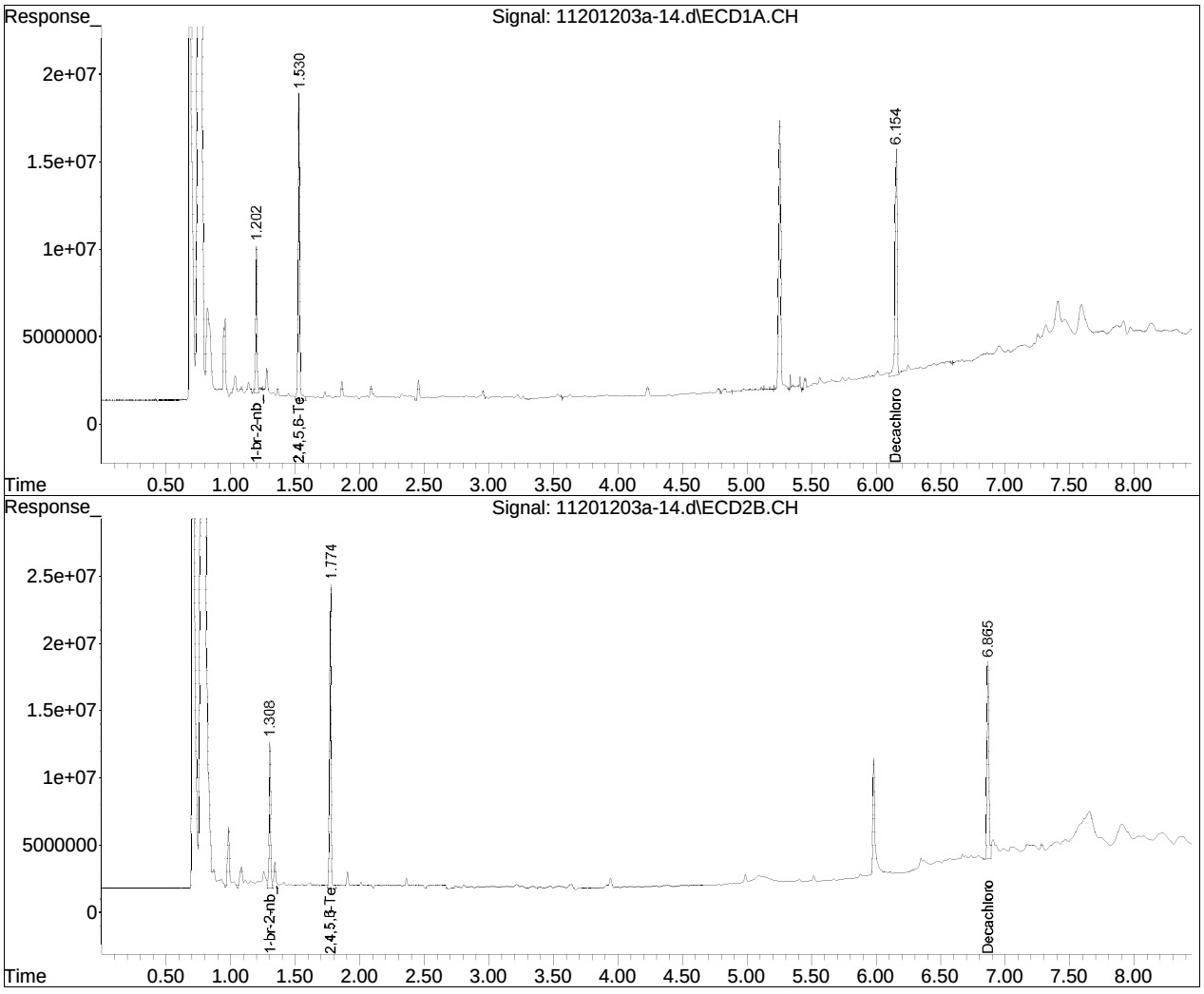
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda-06.d••d)

Data Path : I:\Pest11\201203a\
Data File : 11201203a-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Dec 2020 11:59 am
Operator : PEST11:bm
Sample : l2051957-02,42e,, (Sig #1); L2052862-04d,42e,5,ddd (Sig #2)
Misc : wg1440679,wg1440014,ical17340
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 15:17:33 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

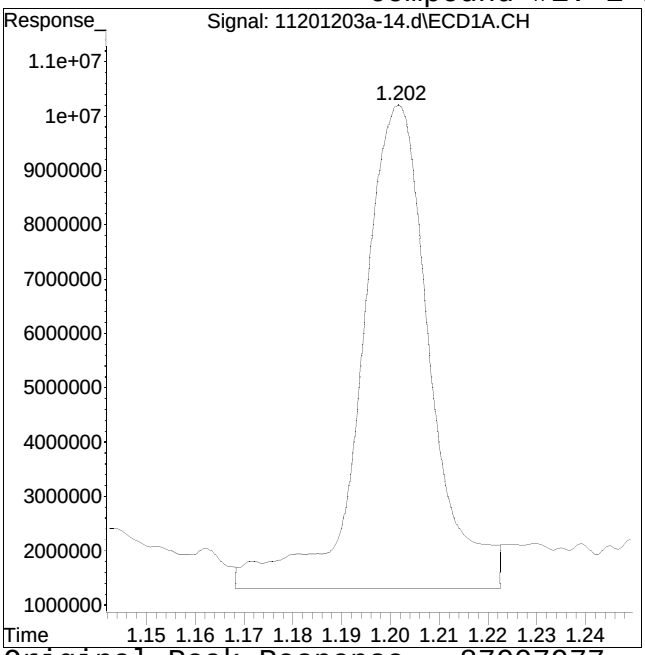


Manual Integration Report

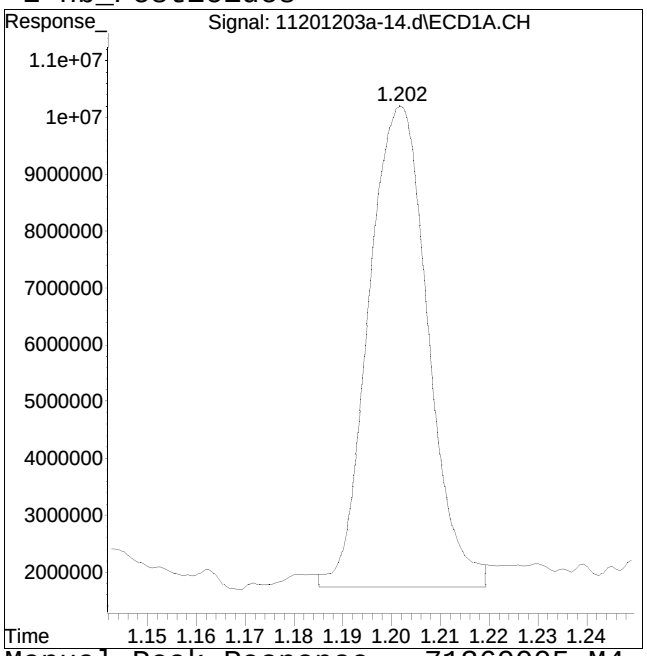
Data Path : I:\Pest11\201203a\
Data File : 11201203a-14.d
Date Inj'd : 12/3/2020 11:59 am
Sample : l2051957-02,42e,,

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:bm
Instrument : Pest 11
Quant Date : 12/3/2020 1:43 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 87007977



Manual Peak Response = 71360005 M4

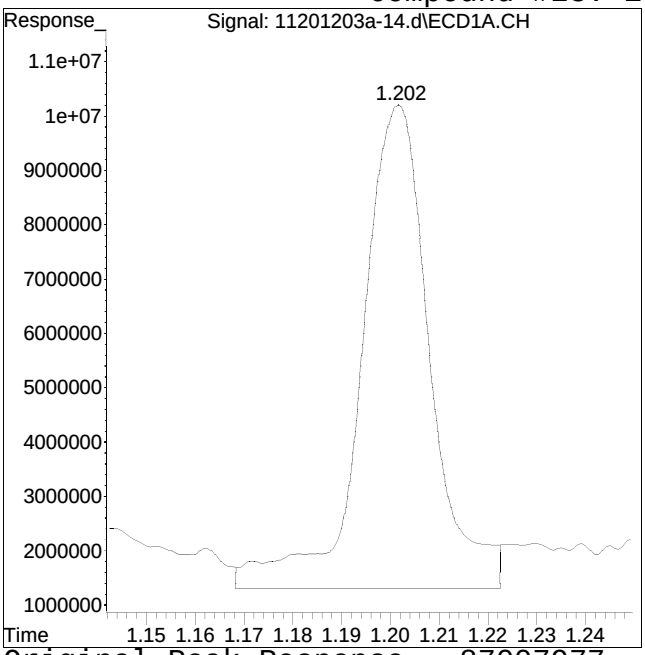
M4 = Poor automated baseline construction.

Manual Integration Report

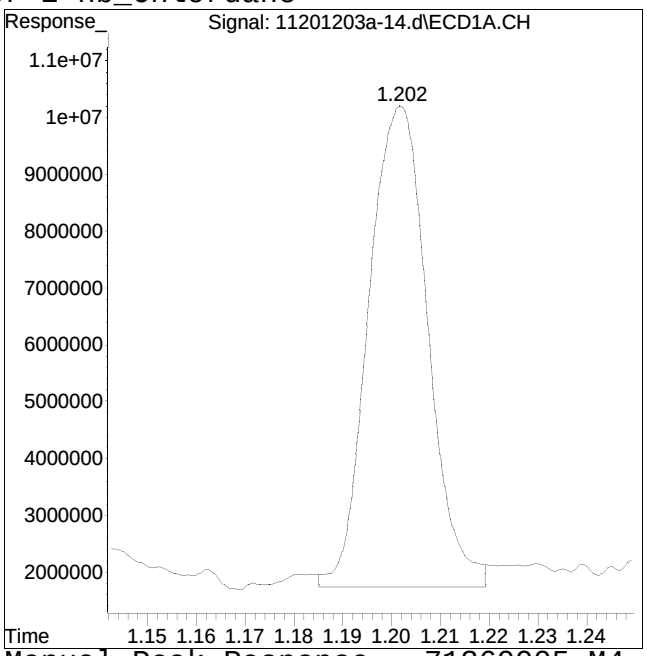
Data Path : I:\Pest11\201203a\
Data File : 11201203a-14.d
Date Inj'd : 12/3/2020 11:59 am
Sample : l2051957-02,42e,,

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:bm
Instrument : Pest 11
Quant Date : 12/3/2020 1:43 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 87007977



Manual Peak Response = 71360005 M4

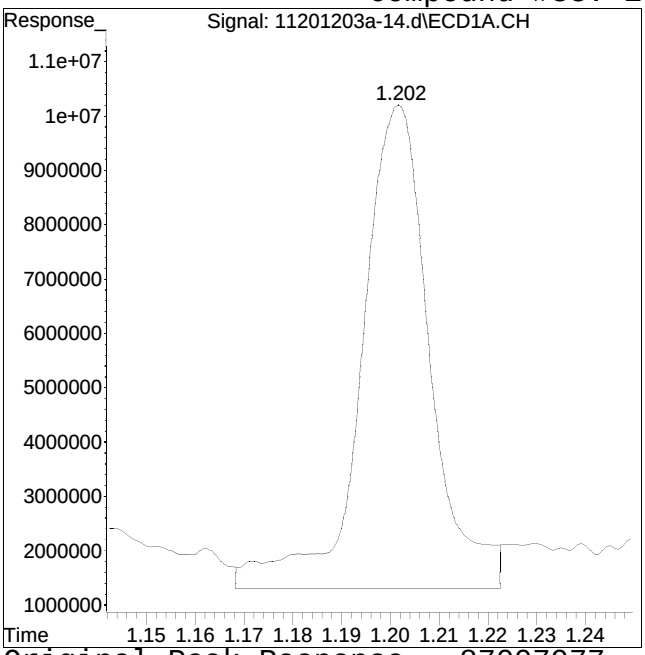
M4 = Poor automated baseline construction.

Manual Integration Report

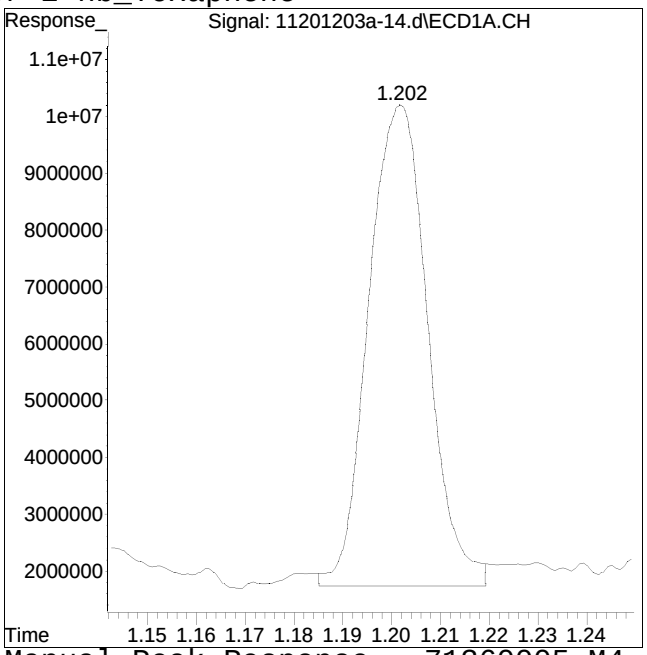
Data Path : I:\Pest11\201203a\
Data File : 11201203a-14.d
Date Inj'd : 12/3/2020 11:59 am
Sample : l2051957-02,42e,,

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:bm
Instrument : Pest 11
Quant Date : 12/3/2020 1:43 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 87007977



Manual Peak Response = 71360005 M4

M4 = Poor automated baseline construction.

Pesticides Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Pesticides

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**
Instrument ID	**: PEST18**	**Ical Ref**	**: ICAL17270**
Calibration dates	**: 10/19/20 18:02 10/19/20 20:53**		

Calibration Files

1 =18201017i-03.d 2 =18201017i-18.d 3 =18201017i-05.d 4 =18201017i-06.d 5 =18201017i-07.d

6 =18201017i-08.d 7 =18201017i-19.d 8 =18201017i-20.d 9 =18201017i-11.d 10 =18201017i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	ISTD											
2)	s	2,4,5,6-Tetrachloro-m-xylene		1.515	1.457	1.475	1.287	1.438	1.148	1.089	1.029	0.993	1.270	16.42
3)		Hexachlorobenzene		1.762	1.647	1.658	1.419	1.596	1.254	1.154	1.081	1.033	1.400	19.79
4)		alpha-BHC		1.958	1.808	1.855	1.622	1.830	1.494	1.497	1.439	1.391	1.655	12.72
5)		gamma-BHC (li	2.000	1.900	1.709	1.743	1.538	1.738	1.412	1.378	1.321	1.266	1.601	15.85
6)		beta-BHC			0.859	0.887	0.777	0.870	0.702	0.632	0.588	0.561	0.735	17.97
7)		delta-BHC			1.790	1.682	1.445	1.639	1.352	1.374	1.325	1.266	1.484	13.01
8)		Heptachlor		1.949	1.748	1.781	1.562	1.790	1.421	1.361	1.295		*L	0.997
3)														
9)		Aldrin			1.664	1.678	1.489	1.717	1.371	1.333	1.279	1.159	1.461	14.25
10)		Alachlor		0.281	0.254	0.265	0.224	0.271	0.214	0.198	0.179	0.155	0.227	19.48
11)		Chlorpyrifos		1.105	0.967	0.970	0.840	0.973	0.773	0.703	0.645	0.553	*L	0.992
9)														
12)		Heptachlor Ep			1.650	1.708	1.479	1.703	1.348	1.263	1.207	1.076	1.429	16.99
13)		gamma-Chlorda			1.754	1.803	1.531	1.778	1.374	1.306	1.255	1.108	1.488	17.96
14)		alpha-Chlorda			1.675	1.744	1.491	1.739	1.365	1.290	1.232	1.081	1.452	17.22
15)		4,4'-DDE		1.562	1.456	1.485	1.342	1.584	1.254	1.262	1.234	1.078	1.362	12.51
16)		Endosulfan I			1.584	1.639	1.406	1.628	1.290	1.229	1.168	1.028	1.372	16.77
17)		Dieldrin	1.791	1.611	1.658	1.429	1.674	1.326	1.297	1.246	1.101		1.459	16.03
18)		Endrin	1.614	1.453	1.462	1.302	1.531	1.216	1.197	1.165	0.993		1.326	15.22
19)		4,4'-DDD	1.268	1.161	1.282	1.043	1.222	0.982	1.015	0.974	0.850		1.089	13.84
20)		Endosulfan II		1.462	1.506	1.323	1.526	1.208	1.185	1.140	0.988		1.292	15.05
21)		4,4'-DDT		1.399	1.409	1.280	1.544	1.177	1.153	1.123	0.966		1.256	14.91
22)		Endrin Aldehyde		1.127	1.091	1.043	1.222	0.986	0.970	0.932	0.829		1.025	11.97
23)		Methoxychlor			0.745	0.663	0.778	0.622	0.609	0.574	0.485		0.640	15.69
24)		Mirex	1.481	1.379	1.382	1.223	1.417	1.080	0.994	0.919	0.771		*L	0.991
1)														
25)		Endosulfan Su	1.592	1.396	1.523	1.265	1.508	1.168	1.155	1.100	0.953		1.295	16.98
26)		Endrin Ketone		1.684	1.719	1.463	1.740	1.350	1.332	1.255	1.118		1.458	16.04
27)	s	Decachlorobip	1.609	1.586	1.558	1.345	1.581	1.191	1.120	1.054	0.906		*L	0.993
7)														
28)	i	1-br-2-nb_Chlordane	ISTD											
29)	l1	chlordane-1						0.049					0.049	0.00
30)	l1	chlordane-3						0.053					0.053	0.00
31)	l1	chlordane-4						0.170					0.170	0.00
32)	l1	chlordane-5						0.267					0.267	0.00

Initial Calibration Summary
Form 6
Pesticides

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**
Instrument ID	**: PEST18**	**Ical Ref**	**: ICAL17270**
Calibration dates	**: 10/19/20 18:02 10/19/20 20:53**		

Calibration Files

1 =18201017i-03.d 2 =18201017i-18.d 3 =18201017i-05.d 4 =18201017i-06.d 5 =18201017i-07.d

6 =18201017i-08.d 7 =18201017i-19.d 8 =18201017i-20.d 9 =18201017i-11.d 10 =18201017i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1		0.052					0.066	0.058			0.059	12.40
35)	l2	toxaphene-2		0.053					0.051	0.038			0.047	16.57
36)	l2	toxaphene-3		0.041					0.050	0.045			0.045	9.56
37)	l2	toxaphene-4		0.042					0.043	0.039			0.041	5.72

Initial Calibration Summary
Form 6
Pesticides

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**
Instrument ID	**: PEST18**	**Ical Ref**	**: ICAL17270**
Calibration dates	**: 10/19/20 18:02 10/19/20 20:53**		

Signal #2 Calibration Files

1 =18201017i-03.d 2 =18201017i-18.d 3 =18201017i-05.d 4 =18201017i-06.d 5 =18201017i-07.d
6 =18201017i-08.d 7 =18201017i-19.d 8 =18201017i-20.d 9 =18201017i-11.d 10 =18201017i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra		1.248	1.249	1.245	1.127	1.297	1.060	1.084	1.035	1.054	1.155	8.92
3)		Hexachloroben		1.581	1.467	1.483	1.333	1.502	1.205	1.164	1.113	1.104	1.328	13.98
4)		alpha-BHC		1.610	1.587	1.533	1.381	1.583	1.339	1.473	1.464	1.478	1.494	6.25
5)		gamma-BHC (li	1.620	1.565	1.405	1.464	1.310	1.502	1.265	1.351	1.337	1.336	1.416	8.31
6)		beta-BHC			0.756	0.784	0.694	0.791	0.647	0.627	0.604	0.593	0.687	11.79
7)		delta-BHC			1.322	1.433	1.228	1.421	1.201	1.322	1.323	1.320	1.321	6.11
8)		Heptachlor		1.669	1.540	1.610	1.406	1.632	1.312	1.363	1.340		1.484	9.73
9)		Aldrin			1.312	1.356	1.236	1.429	1.173	1.253	1.252	1.190	1.275	6.77
10)		Alachlor		0.204	0.220	0.216	0.199	0.222	0.198	0.189	0.176	0.159	0.198	10.53
11)		Chlorpyrifos		0.900	0.824	0.853	0.773	0.885	0.697	0.660	0.624	0.562	0.753	16.22
12)		Heptachlor Ep			1.347	1.323	1.246	1.462	1.180	1.211	1.204	1.122	1.262	8.63
13)		gamma-Chlorda			1.465	1.489	1.319	1.547	1.240	1.265	1.252	1.157	1.342	10.47
14)		alpha-Chlorda			1.408	1.440	1.280	1.530	1.219	1.242	1.222	1.123	1.308	10.48
15)		4,4'-DDE		1.218	1.169	1.296	1.107	1.327	1.099	1.220	1.237	1.134	1.201	6.70
16)		Endosulfan I			1.281	1.307	1.158	1.390	1.113	1.144	1.128	1.041	1.195	9.85
17)		Dieldrin		1.332	1.274	1.348	1.167	1.391	1.129	1.211	1.219	1.131	1.245	7.76
18)		Endrin		1.105	1.053	1.049	1.005	1.179	0.987	1.085	1.132	1.007	1.067	6.00
19)		4,4'-DDD		0.929	0.890	0.950	0.827	1.029	0.838	0.941	0.960	0.878	0.916	6.98
20)		Endosulfan II			1.204	1.261	1.112	1.323	1.057	1.119	1.108	1.003	1.149	9.29
21)		4,4'-DDT			1.230	1.271	1.103	1.350	1.069	1.187	1.194	1.065	1.184	8.52
22)		Endrin Aldehyde			1.046	1.031	0.951	1.107	0.895	0.957	0.948	0.872	0.976	8.15
23)		Methoxychlor				0.823	0.656	0.803	0.638	0.656	0.634	0.555	0.681	14.20
24)		Mirex		1.475	1.330	1.336	1.138	1.347	1.030	0.983	0.940	0.820	1.156	19.50
25)		Endosulfan Su		1.527	1.277	1.324	1.139	1.339	1.068	1.099	1.095	0.973	1.205	14.42
26)		Endrin Ketone			1.563	1.643	1.390	1.655	1.318	1.383	1.337	1.224	1.439	11.16
27)	s	Decachlorobip		1.541	1.410	1.440	1.197	1.434	1.132	1.110	1.077	0.944	1.254	16.45
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1							0.045				0.045	0.00
30)	l1	chlordane-3							0.046				0.046	0.00
31)	l1	chlordane-4							0.130				0.130	0.00
32)	l1	chlordane-5							0.128				0.128	0.00
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1		0.031					0.035	0.035			0.034	6.19
35)	l2	toxaphene-2		0.069					0.068	0.067			0.068	1.62
36)	l2	toxaphene-3		0.046					0.045	0.043			0.045	2.80

Initial Calibration Summary
Form 6
Pesticides

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**
Instrument ID	**: PEST18**	**Ical Ref**	**: ICAL17270**
Calibration dates	**: 10/19/20 18:02 10/19/20 20:53**		

Signal #2 Calibration Files

1 =18201017i-03.d 2 =18201017i-18.d 3 =18201017i-05.d 4 =18201017i-06.d 5 =18201017i-07.d
6 =18201017i-08.d 7 =18201017i-19.d 8 =18201017i-20.d 9 =18201017i-11.d 10 =18201017i-12.d

Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
37) l2 toxaphene-4		0.032					0.041	0.040			0.038	13.12

Initial Calibration Summary
Form 6
Pesticides

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**
Instrument ID	**: PEST11**	**Ical Ref**	**: ICAL17340**
Calibration dates	**: 11/05/20 16:54 11/05/20 20:40**		

Calibration Files

1 =11201105i-03.d 2 =11201105i-21.d 3 =11201105i-15.d 4 =11201105i-16.d 5 =11201105i-07.d

6 =11201105i-17.d 7 =11201105i-22.d 8 =11201105i-23.d 9 =11201105i-11.d 10 =11201105i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	ISTD											
2)	s	2,4,5,6-Tetrachloro-m-xylene		1.482	1.478	1.421	1.265	1.281	1.173	1.073	1.019	1.025	1.246	14.94
3)	t	Hexachlorobenzene		1.722	1.623	1.593	1.518	1.505	1.355	1.165	1.126	1.083	1.410	16.76
4)	t	alpha-BHC		1.646	1.585	1.496	1.403	1.422	1.374	1.391	1.375	1.418	1.457	6.75
5)	t	gamma-BHC (li	1.614	1.587	1.517	1.459	1.384	1.444	1.339	1.305	1.266	1.297	1.421	8.69
6)	t	beta-BHC			0.955	0.878	0.828	0.846	0.757	0.647	0.593	0.574	*L	0.997
8)														
7)	t	delta-BHC		1.696	1.552	1.393	1.346	1.371	1.312	1.309	1.269	1.313	1.396	9.99
8)	t	Heptachlor		1.843	1.755	1.635	1.475	1.506	1.422	1.292	1.218	1.223	*L	0.999
2)														
9)	t	Aldrin		1.415	1.466	1.352	1.256	1.282	1.212	1.171	1.117	1.132	1.267	9.75
10)	t	Alachlor		0.271	0.330	0.262	0.264	0.275	0.282	0.223	0.193	0.172	0.253	19.16
11)	t	Chlorpyrifos		1.158	1.128	0.997	0.939	0.989	0.897	0.723	0.626		*Q	0.998
9)														
12)	t	Heptachlor Ep		1.574	1.557	1.431	1.360	1.419	1.297	1.175	1.090	1.092	1.333	13.78
13)	t	gamma-Chlorda			1.720	1.572	1.405	1.506	1.333	1.202	1.114	1.126	*L	0.999
2)														
14)	t	alpha-Chlorda			1.628	1.456	1.385	1.424	1.320	1.195	1.099	1.103	*L	0.999
0)														
15)	t	4,4'-DDE		1.492	1.431	1.255	1.154	1.279	1.190	1.169	1.097	1.131	*L	0.999
4)														
16)	t	Endosulfan I		1.499	1.419	1.315	1.231	1.311	1.204	1.100	1.017	1.018	*L	0.998
6)														
17)	t	Dieldrin	1.547	1.438	1.312	1.228	1.302	1.221	1.162	1.087	1.115	1.268	11.86	
18)	t	Endrin	1.513	1.503	1.316	1.252	1.344	1.271	1.223	1.143	1.165	1.303	10.17	
19)	t	4,4'-DDD	1.241	1.215	0.989	0.941	1.029	0.970	0.944	0.877	0.903	1.012	12.87	
20)	t	Endosulfan II		1.581	1.313	1.251	1.326	1.222	1.096	1.021	1.016	*L	0.999	
1)														
21)	t	4,4'-DDT		1.512	1.188	1.151	1.235	1.156	1.117	1.035	1.070	1.183	12.43	
22)	t	Endrin Aldehyde		1.360	1.115	1.031	1.169	1.014	0.965	0.882	0.886	1.053	15.15	
23)	t	Methoxychlor			0.840	0.776	0.860	0.774	0.663	0.588	0.573	*L	0.996	
7)														
24)	t	Mirex	1.973	1.821	1.445	1.343	1.439	1.266	1.018	0.894		*Q	0.998	
6)														
25)	t	Endosulfan Su	1.871	1.737	1.373	1.269	1.398	1.247	1.107	1.006	1.019	*L	0.998	
2)														

Initial Calibration Summary
Form 6
Pesticides

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**
Instrument ID	**: PEST11**	**Ical Ref**	**: ICAL17340**
Calibration dates	**: 11/05/20 16:54 11/05/20 20:40**		

Calibration Files

1 =11201105i-03.d 2 =11201105i-21.d 3 =11201105i-15.d 4 =11201105i-16.d 5 =11201105i-07.d
6 =11201105i-17.d 7 =11201105i-22.d 8 =11201105i-23.d 9 =11201105i-11.d 10 =11201105i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
26)	t	Endrin Ketone				1.762	1.491	1.373	1.502	1.357	1.256	1.157	1.192	1.386	14.27
27)	s	Decachlorobip		1.888	1.741	1.354	1.268	1.364	1.279	1.081	0.988	0.974	*L	0.999
5)														
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1		0.093	0.085	0.070		0.061	0.059	0.050			*Q	0.999
7)														
30)	l1	chlordane-3		0.078	0.070	0.061		0.051	0.047	0.039			*Q	0.999
7)														
31)	l1	chlordane-4		0.252	0.218	0.171		0.153	0.150	0.127			*Q	0.999
7)														
32)	l1	chlordane-5		0.339	0.318	0.263		0.238	0.234	0.198			*Q	0.999
6)														
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-2		0.052					0.049	0.043			0.048	9.23
35)	l2	toxaphene-3		0.044					0.051	0.040			0.045	12.78
36)	l2	toxaphene-4		0.042					0.052	0.046			0.046	10.00
37)	l2	toxaphene-5		0.052					0.048	0.043			0.048	9.42

Initial Calibration Summary
Form 6
Pesticides

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**
Instrument ID	**: PEST11**	**Ical Ref**	**: ICAL17340**
Calibration dates	**: 11/05/20 16:54 11/05/20 20:40**		

Signal #2 Calibration Files

1 =11201105i-03.d 2 =11201105i-21.d 3 =11201105i-15.d 4 =11201105i-16.d 5 =11201105i-07.d
6 =11201105i-17.d 7 =11201105i-22.d 8 =11201105i-23.d 9 =11201105i-11.d 10 =11201105i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra	1.418	1.340	1.283	1.260	1.269	1.147	1.113	1.077	1.099		1.223	9.73
3)	t	Hexachloroben	1.686	1.602	1.520	1.481	1.471	1.319	1.200	1.145	1.154		1.397	14.33
4)	t	alpha-BHC	1.536	1.460	1.430	1.409	1.431	1.361	1.474	1.467	1.541		1.457	3.95
5)	t	gamma-BHC (li	.722	1.656	1.461	1.405	1.359	1.390	1.293	1.335	1.311	1.367	1.430	10.18
6)	t	beta-BHC			0.861	0.803	0.799	0.796	0.719	0.659	0.615	0.615	0.733	12.94
7)	t	delta-BHC	1.584	1.394	1.319	1.286	1.329	1.250	1.317	1.298	1.365		1.349	7.24
8)	t	Heptachlor	1.641	1.567	1.449	1.409	1.462	1.347	1.313	1.256	1.283		1.414	9.19
9)	t	Aldrin	1.316	1.294	1.171	1.122	1.209	1.128	1.142	1.106	1.147		1.182	6.45
10)	t	Alachlor	0.275	0.286	0.253	0.248	0.262	0.241	0.210	0.181	0.167		0.236	17.50
11)	t	Chlorpyrifos	1.079	1.022	0.901	0.868	0.911	0.831	0.697	0.612			*Q	0.999
4)														
12)	t	Heptachlor Ep	1.430	1.372	1.263	1.215	1.275	1.183	1.112	1.046	1.068		1.218	10.82
13)	t	gamma-Chlorda		1.498	1.329	1.240	1.311	1.193	1.118	1.051	1.084		1.228	12.13
14)	t	alpha-Chlorda		1.336	1.215	1.162	1.238	1.150	1.081	1.013	1.040		1.154	9.39
15)	t	4,4'-DDE	1.195	1.149	0.994	0.967	1.050	1.003	1.033	0.990	1.046		1.047	7.30
16)	t	Endosulfan I	1.322	1.209	1.098	1.060	1.122	1.044	0.989	0.932	0.957		1.081	11.51
17)	t	Dieldrin	1.251	1.206	1.063	1.022	1.087	1.018	1.014	0.971	1.017		1.072	8.88
18)	t	Endrin	1.285	1.232	1.080	1.033	1.087	1.021	1.015	0.973	1.016		1.082	9.83
19)	t	4,4'-DDD	0.995	0.961	0.770	0.754	0.820	0.775	0.782	0.745	0.788		0.821	11.19
20)	t	Endosulfan II		1.191	0.988	0.973	1.040	0.961	0.900	0.860	0.875		0.973	11.00
21)	t	4,4'-DDT		1.105	0.895	0.862	0.949	0.885	0.884	0.833	0.875		0.911	9.34
22)	t	Endrin Aldehyde		0.965	0.842	0.795	0.860	0.791	0.757	0.704	0.723		0.805	10.44
23)	t	Methoxychlor			0.545	0.517	0.578	0.524	0.489	0.430	0.436		0.503	10.89
24)	t	Mirex	1.249	1.146	0.932	0.880	0.956	0.846	0.709	0.629			*Q	0.999
1)														
25)	t	Endosulfan Su	1.332	1.158	0.936	0.896	0.976	0.877	0.815	0.756	0.778		*L	0.999
2)														
26)	t	Endrin Ketone		1.190	0.978	0.936	1.026	0.928	0.902	0.839	0.882		0.960	11.37
27)	s	Decachlorobip	1.136	1.192	0.926	0.888	0.973	0.864	0.752	0.682	0.693		*L	0.997
4)														
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1	0.088	0.082	0.071		0.062	0.060	0.057				*Q	0.999
7)														
30)	l1	chlordane-3	0.070	0.063	0.055		0.045	0.043	0.039				*Q	0.999
2)														

Initial Calibration Summary
Form 6
Pesticides

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**
Instrument ID	**: PEST11**	**Ical Ref**	**: ICAL17340**
Calibration dates	**: 11/05/20 16:54 11/05/20 20:40**		

Signal #2 Calibration Files

1 =11201105i-03.d 2 =11201105i-21.d 3 =11201105i-15.d 4 =11201105i-16.d 5 =11201105i-07.d
6 =11201105i-17.d 7 =11201105i-22.d 8 =11201105i-23.d 9 =11201105i-11.d 10 =11201105i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
31)	l1	chlordane-4		0.181	0.158	0.143		0.129	0.127	0.120			*Q	0.999
9)														
32)	l1	chlordane-5		0.150	0.139	0.119		0.107	0.104	0.097			*Q	0.999
9)														
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-2		0.020					0.023	0.020			0.021	7.00
35)	l2	toxaphene-3		0.032					0.033	0.030			0.032	4.68
36)	l2	toxaphene-4		0.033					0.038	0.034			0.035	7.05
37)	l2	toxaphene-5		0.030					0.034	0.030			0.031	6.51

Response Factor Report Pest 18

Method Path : I:\Pest18\201019ICAL\
Method File : pest18_10_17_20_ugL_ICAL.m
Title : pest
Last Update : Wed Oct 21 13:59:53 2020
Response Via : Initial Calibration

Calibration Files
1 =18201017i-03.d 2 =18201017i-18.d 3 =18201017i-05.d 4 =18201017i-06.d 5 =18201017i-07.d
6 =18201017i-08.d 7 =18201017i-19.d 8 =18201017i-20.d 9 =18201017i-11.d 10 =18201017i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...		1.515	1.457	1.475	1.287	1.438	1.148	1.089	1.029	0.993	1.270	16.42
3)		Hexachloroben...		1.762	1.647	1.658	1.419	1.596	1.254	1.154	1.081	1.033	1.400	19.79
4)		alpha-BHC		1.958	1.808	1.855	1.622	1.830	1.494	1.497	1.439	1.391	1.655	12.72
5)		gamma-BHC (li...	2.000	1.900	1.709	1.743	1.538	1.738	1.412	1.378	1.321	1.266	1.601	15.85
6)		beta-BHC			0.859	0.887	0.777	0.870	0.702	0.632	0.588	0.561	0.735	17.97
7)		delta-BHC			1.790	1.682	1.445	1.639	1.352	1.374	1.325	1.266	1.484	13.01
8)		Heptachlor		1.949	1.748	1.781	1.562	1.790	1.421	1.361	1.295		*L	0.997
3														
9)		Aldrin			1.664	1.678	1.489	1.717	1.371	1.333	1.279	1.159	1.461	14.25
10)		Alachlor		0.281	0.254	0.265	0.224	0.271	0.214	0.198	0.179	0.155	0.227	19.48
11)		Chlorpyrifos		1.105	0.967	0.970	0.840	0.973	0.773	0.703	0.645	0.553	*L	0.992
9														
12)		Heptachlor Ep...			1.650	1.708	1.479	1.703	1.348	1.263	1.207	1.076	1.429	16.99
13)		gamma-Chlorda...			1.754	1.803	1.531	1.778	1.374	1.306	1.255	1.108	1.488	17.96
14)		alpha-Chlorda...			1.675	1.744	1.491	1.739	1.365	1.290	1.232	1.081	1.452	17.22
15)		4,4'-DDE		1.562	1.456	1.485	1.342	1.584	1.254	1.262	1.234	1.078	1.362	12.51
16)		Endosulfan I			1.584	1.639	1.406	1.628	1.290	1.229	1.168	1.028	1.372	16.77

Response Factor Report Pest 18

Method Path : I:\Pest18\201019ICAL\
Method File : pest18_10_17_20_ugL_ICAL.m
Title : pest
Last Update : Wed Oct 21 13:59:53 2020
Response Via : Initial Calibration

Calibration Files
1 =18201017i-03.d 2 =18201017i-18.d 3 =18201017i-05.d 4 =18201017i-06.d 5 =18201017i-07.d
6 =18201017i-08.d 7 =18201017i-19.d 8 =18201017i-20.d 9 =18201017i-11.d 10 =18201017i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
17)		Dieldrin		1.791	1.611	1.658	1.429	1.674	1.326	1.297	1.246	1.101	1.459	16.03
18)		Endrin		1.614	1.453	1.462	1.302	1.531	1.216	1.197	1.165	0.993	1.326	15.22
19)		4,4'-DDD		1.268	1.161	1.282	1.043	1.222	0.982	1.015	0.974	0.850	1.089	13.84
20)		Endosulfan II			1.462	1.506	1.323	1.526	1.208	1.185	1.140	0.988	1.292	15.05
21)		4,4'-DDT			1.399	1.409	1.280	1.544	1.177	1.153	1.123	0.966	1.256	14.91
22)		Endrin Aldehyde			1.127	1.091	1.043	1.222	0.986	0.970	0.932	0.829	1.025	11.97
23)		Methoxychlor				0.745	0.663	0.778	0.622	0.609	0.574	0.485	0.640	15.69
24)		Mirex		1.481	1.379	1.382	1.223	1.417	1.080	0.994	0.919	0.771	*L	0.991
1														
25)		Endosulfan Su...		1.592	1.396	1.523	1.265	1.508	1.168	1.155	1.100	0.953	1.295	16.98
26)		Endrin Ketone			1.684	1.719	1.463	1.740	1.350	1.332	1.255	1.118	1.458	16.04
27)	s	Decachlorobip...		1.609	1.586	1.558	1.345	1.581	1.191	1.120	1.054	0.906	*L	0.993
7														
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1							0.049				0.049	0.00
30)	l1	chlordane-3							0.053				0.053	0.00
31)	l1	chlordane-4							0.170				0.170	0.00
32)	l1	chlordane-5							0.267				0.267	0.00

Method Path : I:\Pest18\201019ICAL\
Method File : pest18_10_17_20_ugL_ICAL.m
Title : pest
Last Update : Wed Oct 21 13:59:53 2020
Response Via : Initial Calibration

Calibration Files
1 =18201017i-03.d 2 =18201017i-18.d 3 =18201017i-05.d 4 =18201017i-06.d 5 =18201017i-07.d
6 =18201017i-08.d 7 =18201017i-19.d 8 =18201017i-20.d 9 =18201017i-11.d 10 =18201017i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1	0.052						0.066	0.058			0.059	12.40
35)	l2	toxaphene-2	0.053						0.051	0.038			0.047	16.57
36)	l2	toxaphene-3	0.041						0.050	0.045			0.045	9.56
37)	l2	toxaphene-4	0.042						0.043	0.039			0.041	5.72

Signal #2 Calibration Files
1 =18201017i-03.d 2 =18201017i-18.d 3 =18201017i-05.d 4 =18201017i-06.d 5 =18201017i-07.d
6 =18201017i-08.d 7 =18201017i-19.d 8 =18201017i-20.d 9 =18201017i-11.d 10 =18201017i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...	1.248	1.249	1.245	1.127	1.297	1.060	1.084	1.035	1.054		1.155	8.92
3)		Hexachloroben...	1.581	1.467	1.483	1.333	1.502	1.205	1.164	1.113	1.104		1.328	13.98
4)		alpha-BHC	1.610	1.587	1.533	1.381	1.583	1.339	1.473	1.464	1.478		1.494	6.25
5)		gamma-BHC (li...	1.620	1.565	1.405	1.464	1.310	1.502	1.265	1.351	1.337	1.336	1.416	8.31
6)		beta-BHC	0.756	0.784	0.694	0.791	0.647	0.627	0.604	0.593			0.687	11.79
7)		delta-BHC	1.322	1.433	1.228	1.421	1.201	1.322	1.323	1.320			1.321	6.11
8)		Heptachlor	1.669	1.540	1.610	1.406	1.632	1.312	1.363	1.340			1.484	9.73
9)		Aldrin	1.312	1.356	1.236	1.429	1.173	1.253	1.252	1.190			1.275	6.77

Response Factor Report Pest 18

Method Path : I:\Pest18\201019ICAL\
Method File : pest18_10_17_20_ugL_ICAL.m
Title : pest
Last Update : Wed Oct 21 13:59:53 2020
Response Via : Initial Calibration

Calibration Files
1 =18201017i-03.d 2 =18201017i-18.d 3 =18201017i-05.d 4 =18201017i-06.d 5 =18201017i-07.d
6 =18201017i-08.d 7 =18201017i-19.d 8 =18201017i-20.d 9 =18201017i-11.d 10 =18201017i-12.d

	Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
10)	Alachlor		0.204	0.220	0.216	0.199	0.222	0.198	0.189	0.176	0.159	0.198	10.53
11)	Chlorpyrifos		0.900	0.824	0.853	0.773	0.885	0.697	0.660	0.624	0.562	0.753	16.22
12)	Heptachlor Ep...			1.347	1.323	1.246	1.462	1.180	1.211	1.204	1.122	1.262	8.63
13)	gamma-Chlorda...			1.465	1.489	1.319	1.547	1.240	1.265	1.252	1.157	1.342	10.47
14)	alpha-Chlorda...			1.408	1.440	1.280	1.530	1.219	1.242	1.222	1.123	1.308	10.48
15)	4,4'-DDE		1.218	1.169	1.296	1.107	1.327	1.099	1.220	1.237	1.134	1.201	6.70
16)	Endosulfan I			1.281	1.307	1.158	1.390	1.113	1.144	1.128	1.041	1.195	9.85
17)	Dieldrin		1.332	1.274	1.348	1.167	1.391	1.129	1.211	1.219	1.131	1.245	7.76
18)	Endrin		1.105	1.053	1.049	1.005	1.179	0.987	1.085	1.132	1.007	1.067	6.00
19)	4,4'-DDD		0.929	0.890	0.950	0.827	1.029	0.838	0.941	0.960	0.878	0.916	6.98
20)	Endosulfan II			1.204	1.261	1.112	1.323	1.057	1.119	1.108	1.003	1.149	9.29
21)	4,4'-DDT			1.230	1.271	1.103	1.350	1.069	1.187	1.194	1.065	1.184	8.52
22)	Endrin Aldehyde			1.046	1.031	0.951	1.107	0.895	0.957	0.948	0.872	0.976	8.15
23)	Methoxychlor				0.823	0.656	0.803	0.638	0.656	0.634	0.555	0.681	14.20
24)	Mirex		1.475	1.330	1.336	1.138	1.347	1.030	0.983	0.940	0.820	1.156	19.50
25)	Endosulfan Su...		1.527	1.277	1.324	1.139	1.339	1.068	1.099	1.095	0.973	1.205	14.42

Method Path : I:\Pest18\201019ICAL\
Method File : pest18_10_17_20_ugL_ICAL.m
Title : pest
Last Update : Wed Oct 21 13:59:53 2020
Response Via : Initial Calibration

Calibration Files
1 =18201017i-03.d 2 =18201017i-18.d 3 =18201017i-05.d 4 =18201017i-06.d 5 =18201017i-07.d
6 =18201017i-08.d 7 =18201017i-19.d 8 =18201017i-20.d 9 =18201017i-11.d 10 =18201017i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
26)		Endrin Ketone			1.563	1.643	1.390	1.655	1.318	1.383	1.337	1.224	1.439	11.16
27)	s	Decachlorobip...		1.541	1.410	1.440	1.197	1.434	1.132	1.110	1.077	0.944	1.254	16.45
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1							0.045				0.045	0.00
30)	l1	chlordane-3							0.046				0.046	0.00
31)	l1	chlordane-4							0.130				0.130	0.00
32)	l1	chlordane-5							0.128				0.128	0.00
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-1		0.031					0.035	0.035			0.034	6.19
35)	l2	toxaphene-2		0.069					0.068	0.067			0.068	1.62
36)	l2	toxaphene-3		0.046					0.045	0.043			0.045	2.80
37)	l2	toxaphene-4		0.032					0.041	0.040			0.038	13.12

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 5:51 pm
Operator : PEST18:kb
Sample : pem18201017a01,42ee,,deg 10100 (Sig #1); deg 10100 (Sig #2)
Misc : WG1424178,Ical
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 21 14:01:59 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Wed Oct 21 14:01:56 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
	Internal Standards							
1) i	1-br-2-nb_Pe	1.230	1.359	86665680	98788252	25.000	25.000	
	System Monitoring Compounds							
	Target Compounds							
15)	4,4'-DDE	3.486	4.454	2449040	1777819	0.519M2	0.375M2	
18)	Endrin	4.022	4.907	213.1E6	227.5E6	46.349	53.952	
19)	4,4'-DDD	4.141	5.033	1637701	1777147	0.434M2	0.491M2	
21)	4,4'-DDT	4.449	5.268	393.8E6	471.3E6	90.420	100.784	
22)	Endrin Aldeh	4.716	5.332	5693946	9285896	1.602	2.408	D
26)	Endrin Keton	5.293	5.758	17636973	15323367	3.490	2.695	
	Sum chlordane-1			0	0	N.D.	N.D.	
Average	chlordane-1					0.000	0.000	
	Sum toxaphene-1			0	0	N.D.	N.D.	
Average	toxaphene-1					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum toxaphene-1			0	0	N.D.	N.D.	
Average	toxaphene-1					0.000	0.000	

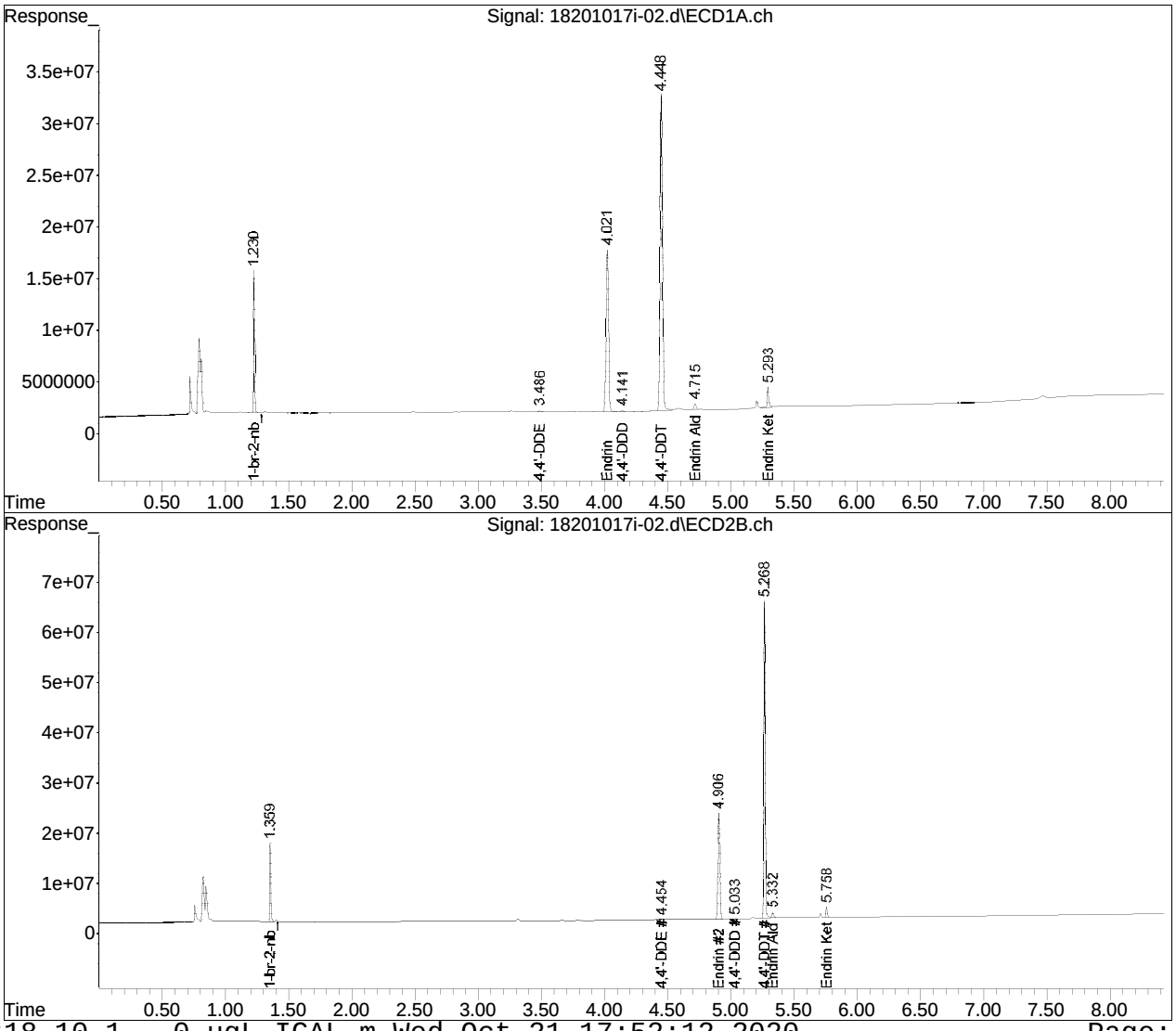
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 5:51 pm
Operator : PEST18:kb
Sample : pem18201017a01,42ee,,deg 10100 (Sig #1); deg 10100 (Sig #2)
Misc : WG1424178,Ical
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 21 14:01:59 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Wed Oct 21 14:01:56 2020
Response via : Initial Calibration
Integrator: ChemStation

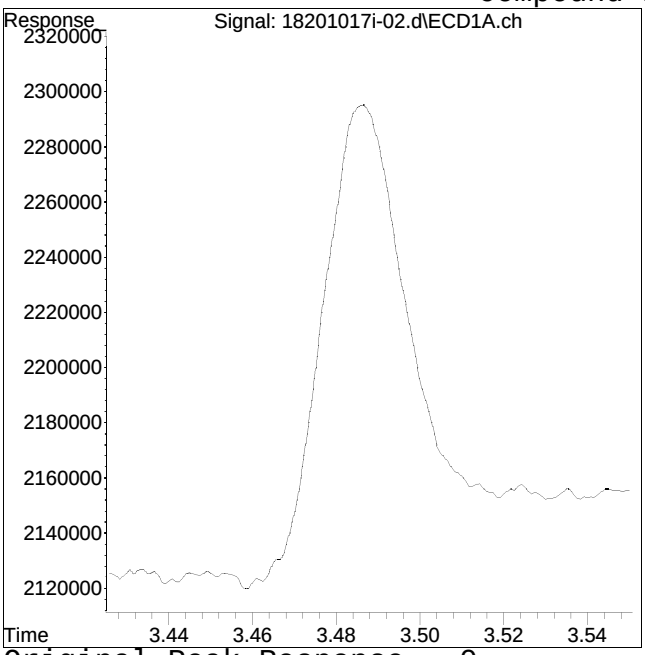
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



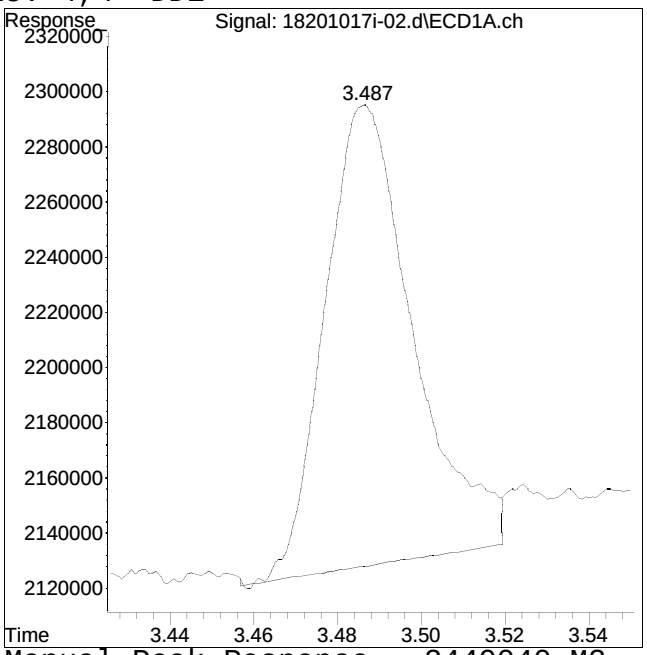
Manual Integration Report

Data Path : I:\Pest18\201019ICAL\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201017i-02.d Operator : PEST18:kb
Date Inj'd : 10/19/2020 5:51 pm Instrument : Pest 18
Sample : pem18201017a01,42ee,,deg 1Quant Date : 10/21/2020 2:01 pm

Compound #15: 4,4'-DDE



Original Peak Response = 0



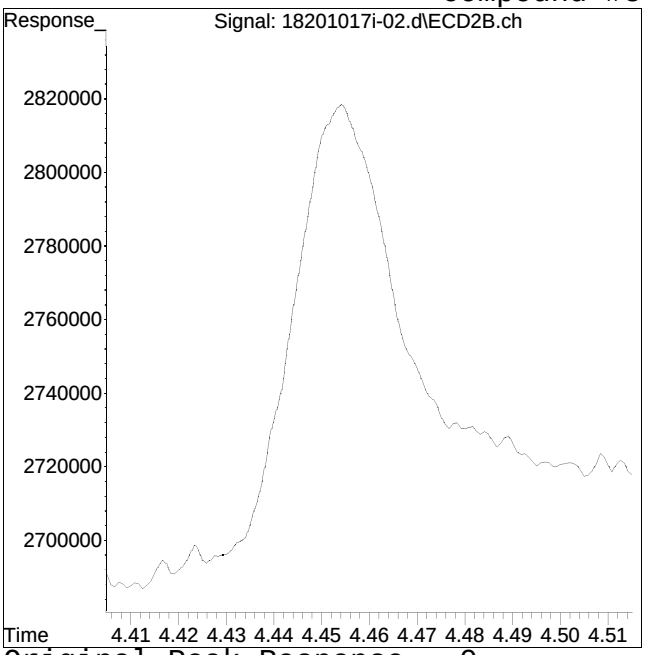
Manual Peak Response = 2449040 M2

M2 = Peak not found by automatic integration algorithm.

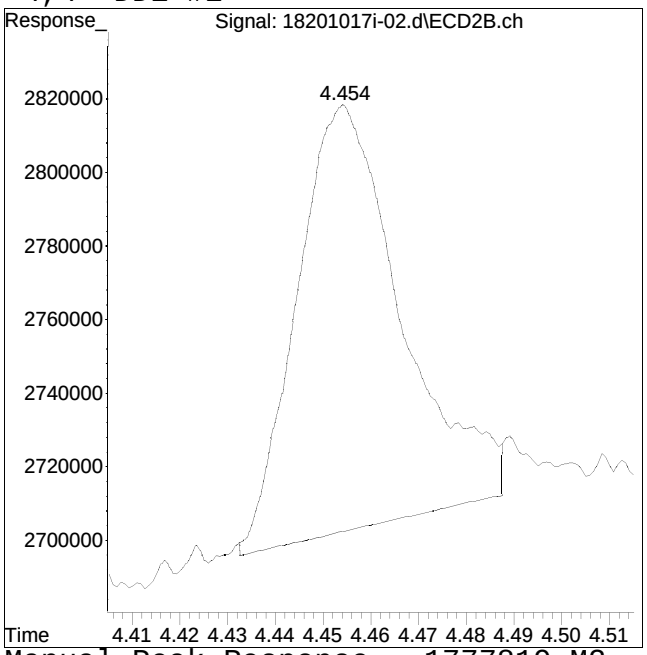
Manual Integration Report

Data Path : I:\Pest18\201019ICAL\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201017i-02.d Operator : PEST18:kb
Date Inj'd : 10/19/2020 5:51 pm Instrument : Pest 18
Sample : pem18201017a01,42ee,,deg 1Quant Date : 10/21/2020 2:01 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 0



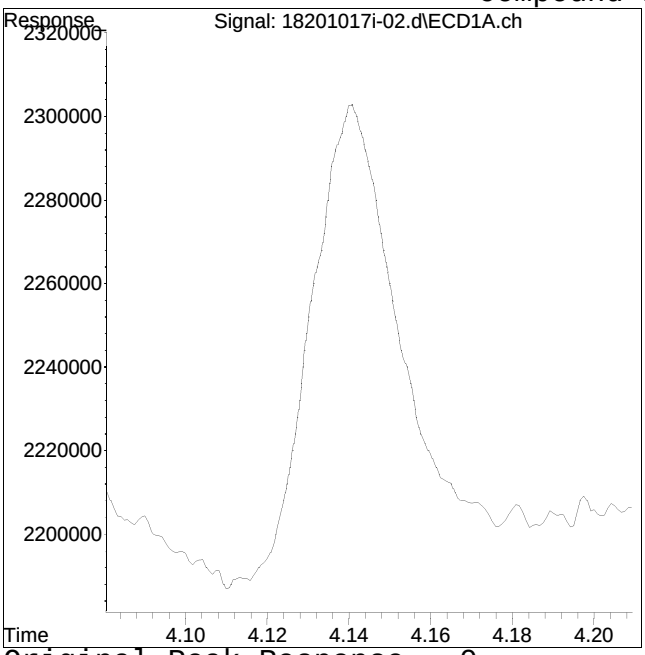
Manual Peak Response = 1777819 M2

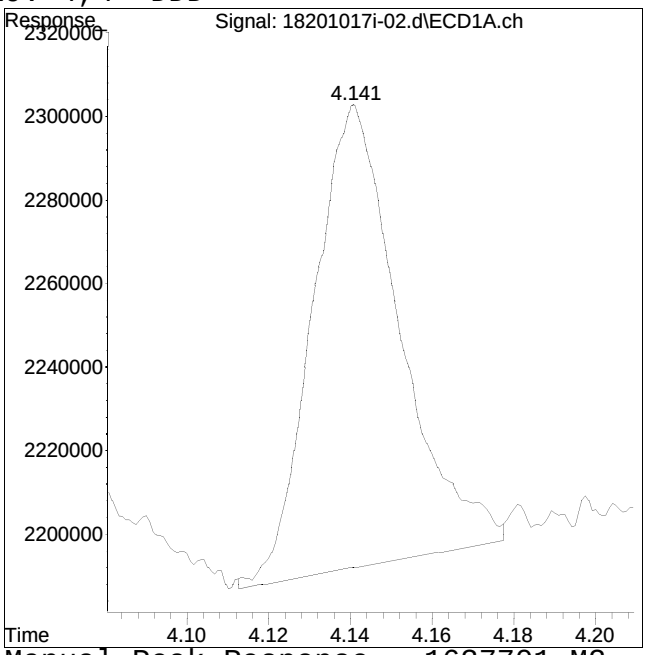
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest18\201019ICAL\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201017i-02.d Operator : PEST18:kb
Date Inj'd : 10/19/2020 5:51 pm Instrument : Pest 18
Sample : pem18201017a01,42ee,,deg 1Quant Date : 10/21/2020 2:01 pm

Compound #19: 4,4'-DDD



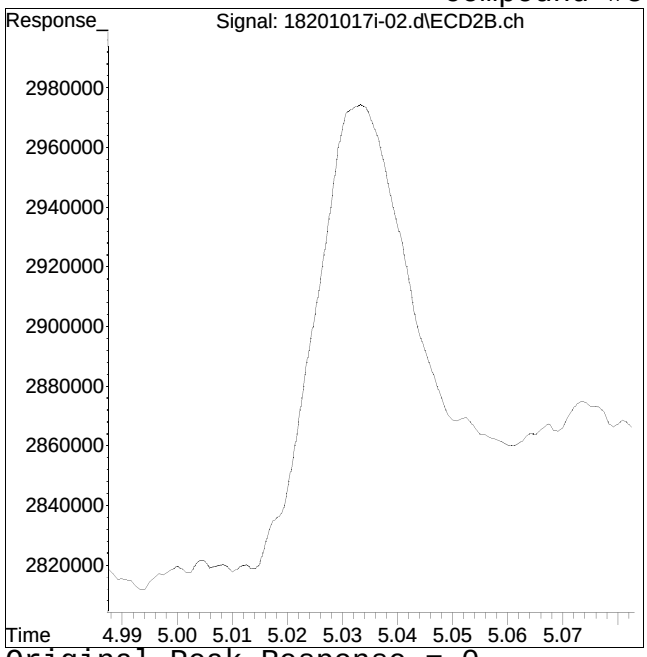


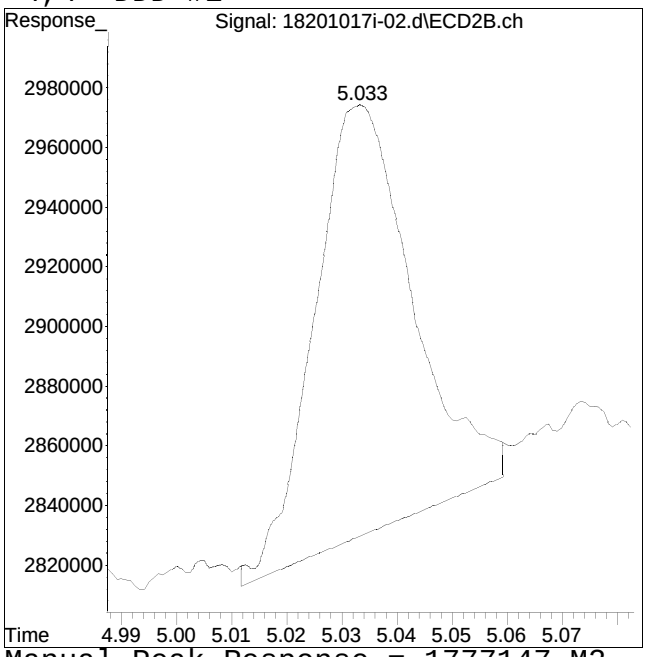
Original Peak Response = 0 Manual Peak Response = 1637701 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest18\201019ICAL\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201017i-02.d Operator : PEST18:kb
Date Inj'd : 10/19/2020 5:51 pm Instrument : Pest 18
Sample : pem18201017a01,42ee,,deg 1Quant Date : 10/21/2020 2:01 pm

Compound #57: 4,4'-DDD #2





Original Peak Response = 0 Manual Peak Response = 1777147 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:02 pm
Operator : PEST18:jmc
Sample : il1pest,42e,,pp10032
Misc : WG1424178,
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 11:48:00 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 11:47:53 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
	Internal Standards							
1) i	1-br-2-nb_Pe	1.229	1.359	81774554	93582035	25.000M4	25.000	
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d	
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d	
	System Monitoring Compounds							
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d	
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#	
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d	
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#	
	Target Compounds							
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d	
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d	
5)	gamma-BHC (l	2.047	2.531	3271041	3031750	0.246	0.572	D
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d	
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d	
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d	
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d	
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d	
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d	
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d	
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d	
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d	
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d	
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d	
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d	
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d	
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d	
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d	
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d	
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d	
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d	

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:02 pm
Operator : PEST18:jmc
Sample : il1pest,42e,,pp10032
Misc : WG1424178,
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 11:48:00 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 11:47:53 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

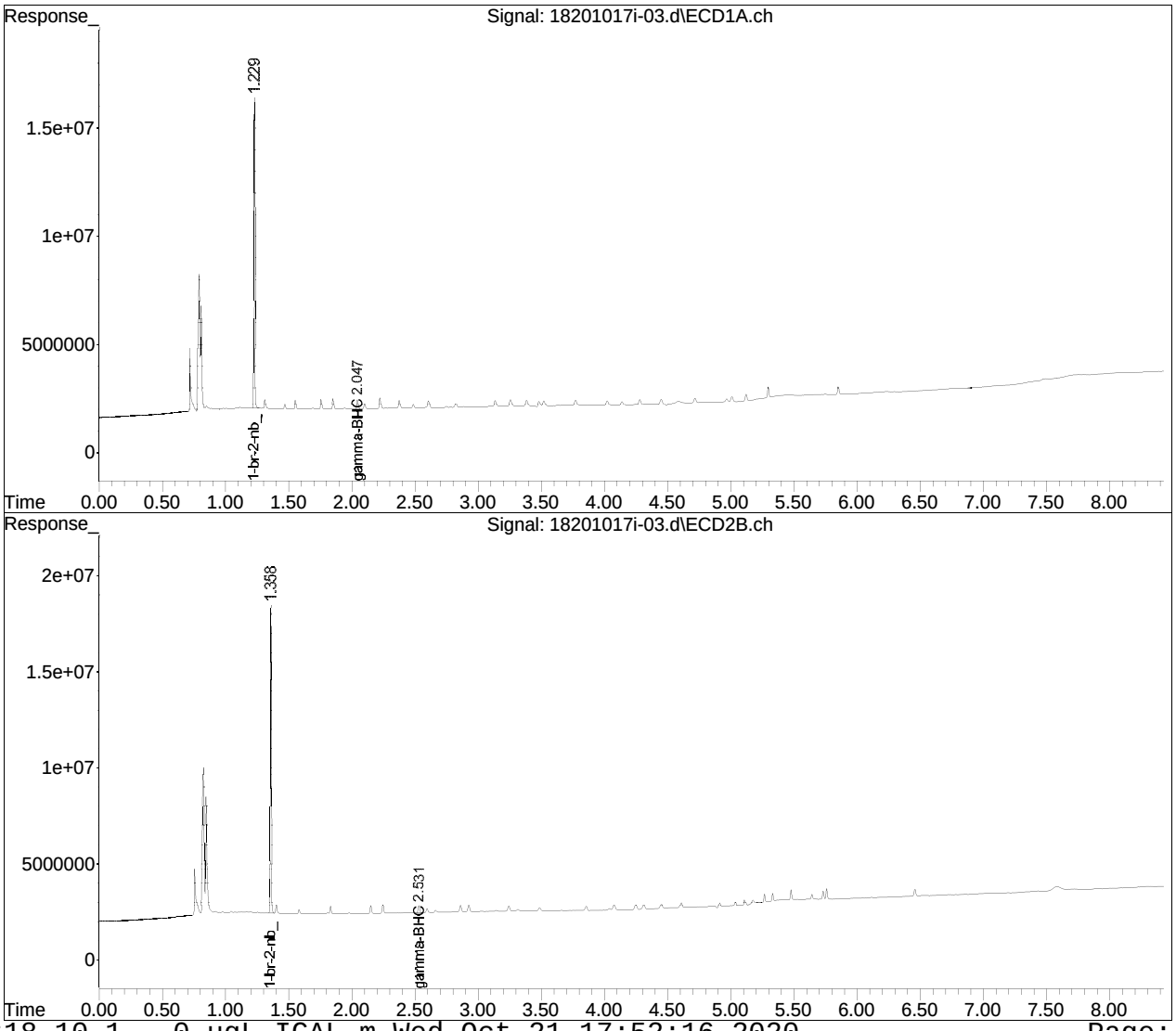
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:02 pm
Operator : PEST18:jmc
Sample : il1pest,42e,,pp10032
Misc : WG1424178,
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 11:48:00 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 11:47:53 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

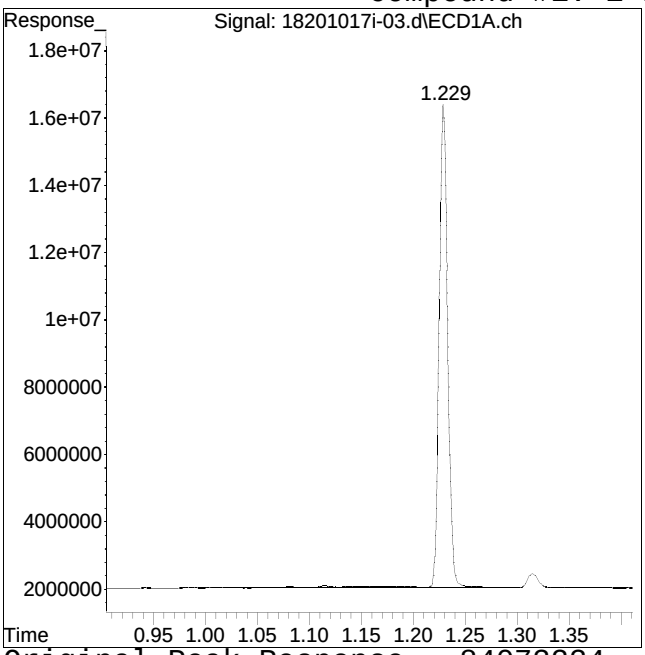


Manual Integration Report

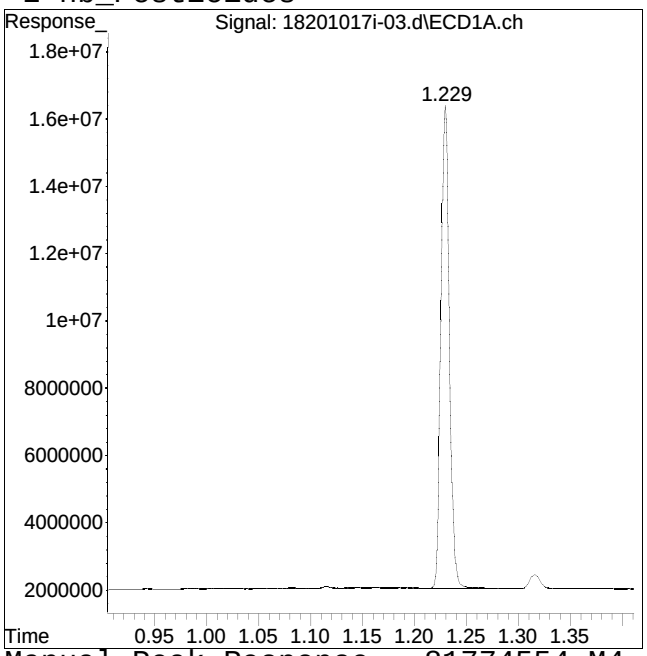
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-03.d
Date Inj'd : 10/19/2020 6:02 pm
Sample : il1pest,42e,,pp10032

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 11:47 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 84073234



Manual Peak Response = 81774554 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:12 pm
Operator : PEST18:jmc
Sample : il2pest,42e,,pp10031
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 12:12:55 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 12:12:47 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
	Internal Standards							
1) i	1-br-2-nb_Pe	1.230	1.360	88742105	101.9E6	25.000M4	25.000	
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d	
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d	
	System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.557	1.833	5377528	5083345	1.194M4	1.080	
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.39%#	2.16%#	
27) s	Decachlorobi	5.851	6.458	5838207	6279140	1.235	1.229	
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.47%#	2.46%#	
	Target Compounds							
3)	Hexachlorobe	1.760	2.152	6253653	6441853	1.259M4	1.191	
4)	alpha-BHC	1.854	2.247	6951803	6559928	1.184M4	1.078M4	
5)	gamma-BHC (l	2.048	2.532	6836097	6377854	1.204	1.106	
6)	beta-BHC	2.103	2.596	3679539	3624056	1.411M4	1.295	
7)	delta-BHC	2.225	2.862	7089361	6232818	1.346M4	1.158	
8)	Heptachlor	2.378	2.926	6934220	6798241	0.737	1.142	D
9)	Aldrin	2.610	3.243	6719717	5608658	1.295	1.080	
10)	Alachlor	2.748	3.145	998820	831226	1.246M2	1.029M2	
11)	Chlorpyrifos	2.824	3.486	3921099	3666526	1.322M2	1.195	
12)	Heptachlor E	3.137	3.857	6526000	5752613	1.290	1.119	
13)	gamma-Chlord	3.258	4.076	7386646	6440704	1.398	1.178M4	
14)	alpha-Chlord	3.386	4.248	6542987	6146111	1.271	1.153	
15)	4,4'-DDE	3.483	4.449	5546022	4963715	1.149	1.014	
16)	Endosulfan I	3.522	4.311	6253442	5831663	1.285	1.198	
17)	Dieldrin	3.773	4.605	6363150	5425123	1.228	1.070	
18)	Endrin	4.023	4.907	5724252	4502295	1.215	1.036M4	
19)	4,4'-DDD	4.140	5.033	4502467	3785277	1.177M2	1.015	
20)	Endosulfan I	4.281	5.108	6109063	5213462	1.334	1.114	
21)	4,4'-DDT	4.450	5.269	6041608	5317420	1.356	1.103	

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:12 pm
Operator : PEST18:jmc
Sample : il2pest,42e,,pp10031
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 12:12:55 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 12:12:47 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
22)	Endrin Aldeh	4.717	5.333	4389366	4817184	1.200M2	1.211
23)	Methoxychlor	4.967	5.644	2847745	3379198	1.252M2	1.218
24)	Mirex	5.009	5.733	5258987	6008034	1.252	1.276M3
25)	Endosulfan S	5.121	5.479	6045542	6221360	1.321	1.268
26)	Endrin Keton	5.296	5.760	6873421	7505130	1.330M4	1.280
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

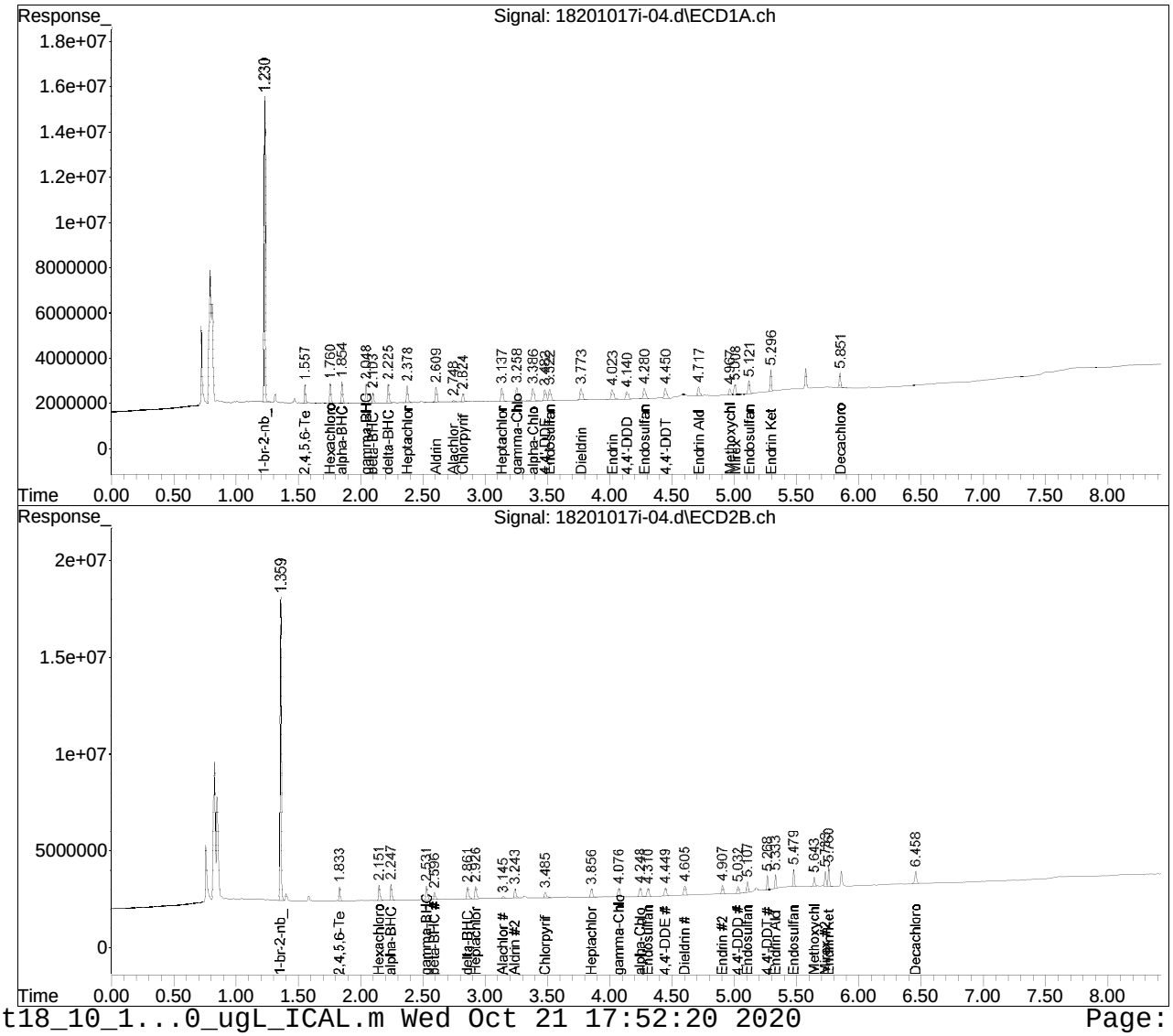
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:12 pm
Operator : PEST18:jmc
Sample : il2pest,42e,,pp10031
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 12:12:55 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 12:12:47 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

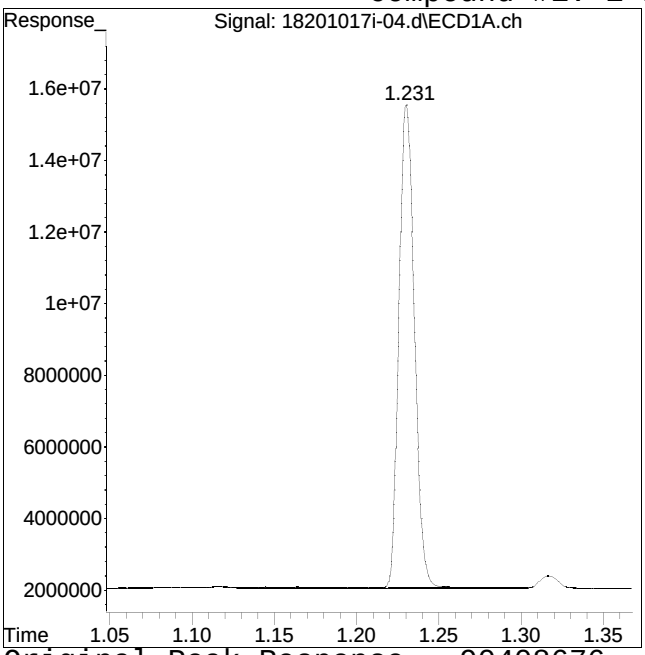


Manual Integration Report

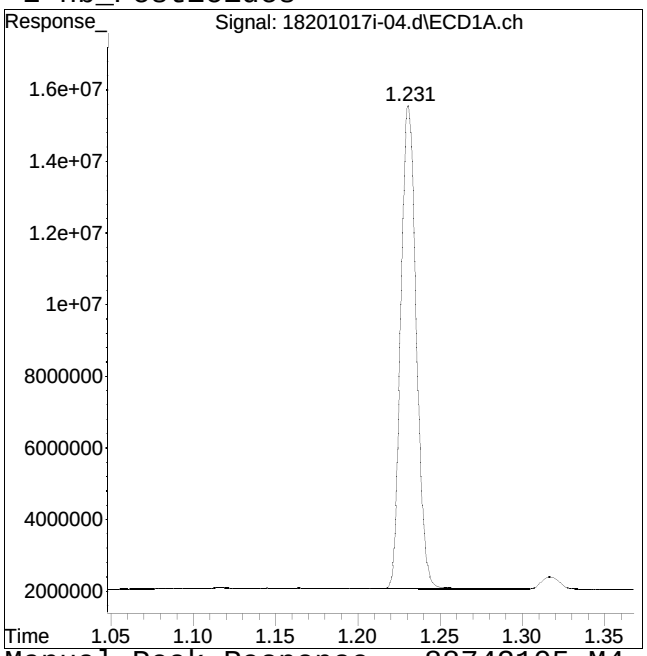
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Date Inj'd : 10/19/2020 6:12 pm
Sample : il2pest,42e,,pp10031

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 12:12 pm

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 90408676



Manual Peak Response = 88742105 M4

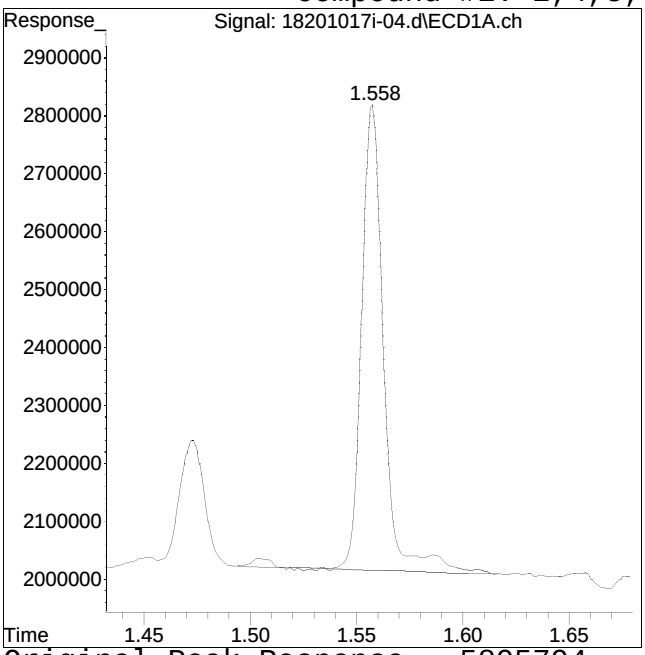
M4 = Poor automated baseline construction.

Manual Integration Report

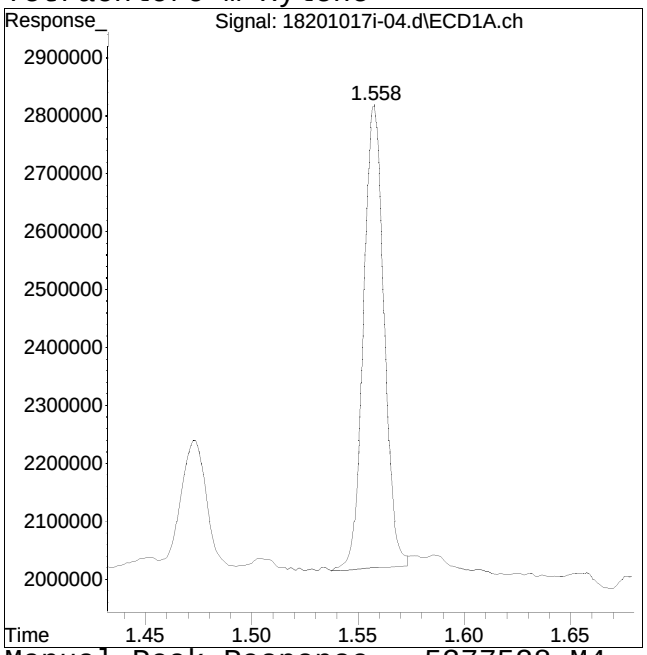
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Date Inj'd : 10/19/2020 6:12 pm
Sample : il2pest,42e,,pp10031

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 12:12 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 5895794



Manual Peak Response = 5377528 M4

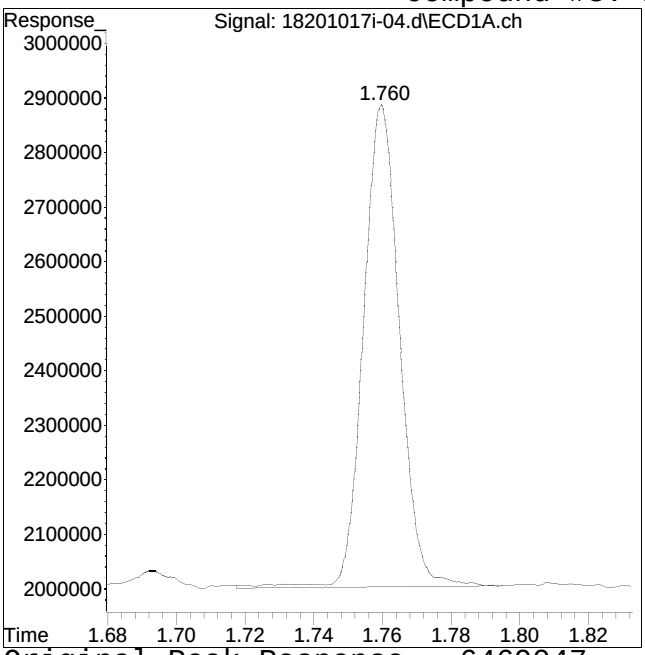
M4 = Poor automated baseline construction.

Manual Integration Report

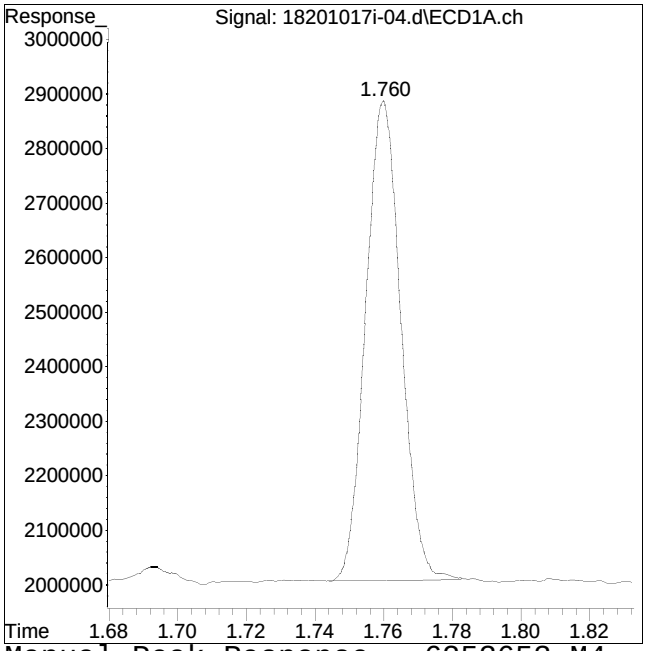
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Date Inj'd : 10/19/2020 6:12 pm
Sample : il2pest,42e,,pp10031

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 12:12 pm

Compound #3: Hexachlorobenzene



Original Peak Response = 6469047



Manual Peak Response = 6253653 M4

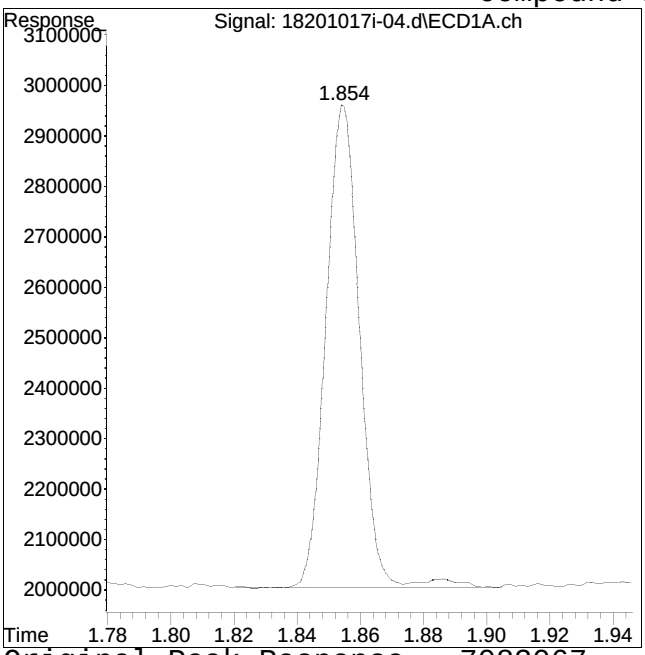
M4 = Poor automated baseline construction.

Manual Integration Report

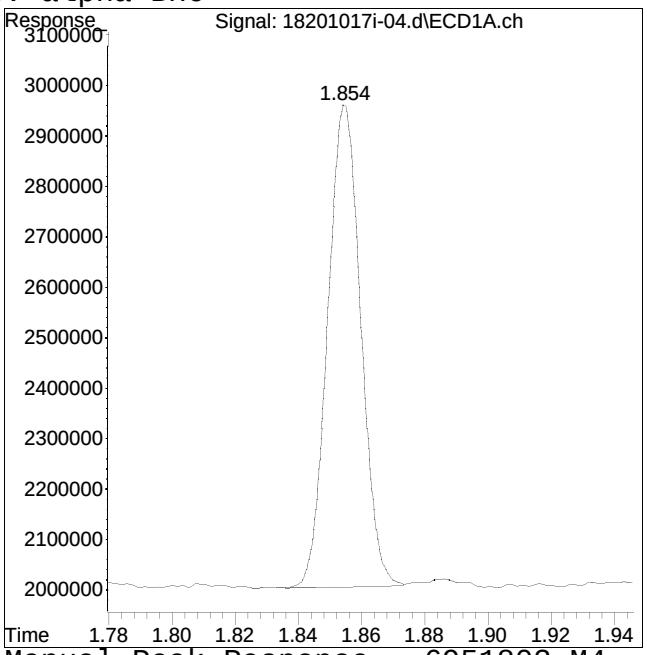
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Date Inj'd : 10/19/2020 6:12 pm
Sample : il2pest,42e,,pp10031

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 12:12 pm

Compound #4: alpha-BHC



Original Peak Response = 7083067



Manual Peak Response = 6951803 M4

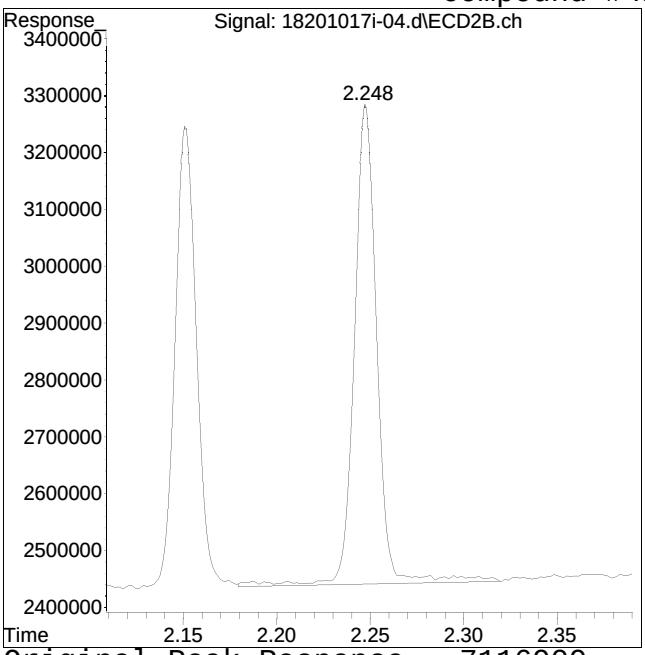
M4 = Poor automated baseline construction.

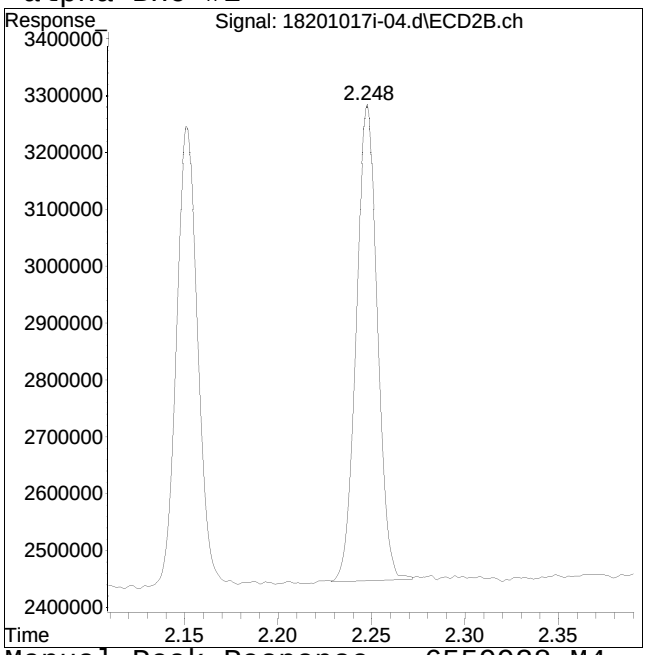
Manual Integration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Date Inj'd : 10/19/2020 6:12 pm
Sample : il2pest,42e,,pp10031

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 12:12 pm

Compound #42: alpha-BHC #2





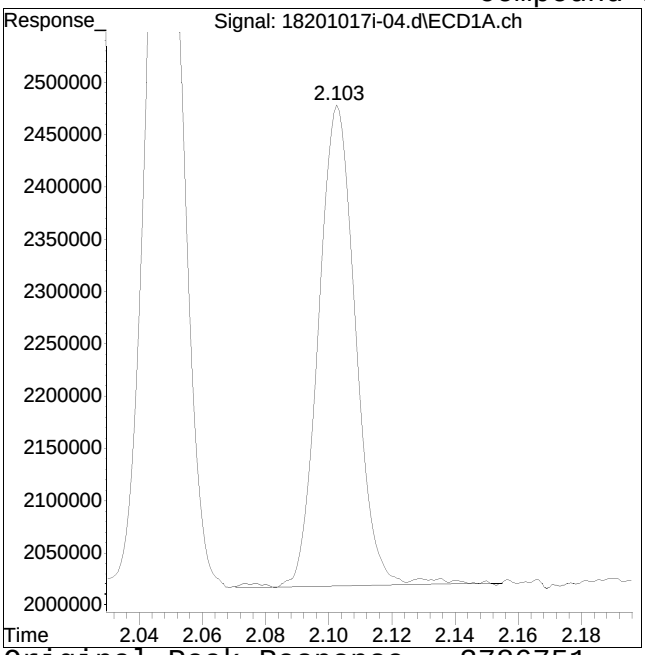
Original Peak Response = 7116909 Manual Peak Response = 6559928 M4
M4 = Poor automated baseline construction.

Manual Integration Report

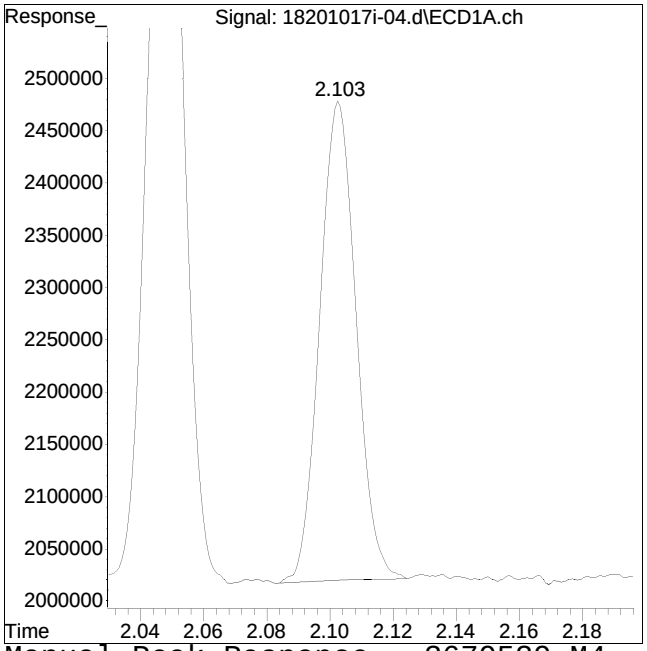
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Date Inj'd : 10/19/2020 6:12 pm
Sample : il2pest,42e,,pp10031

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 12:12 pm

Compound #6: beta-BHC



Original Peak Response = 3786751



Manual Peak Response = 3679539 M4

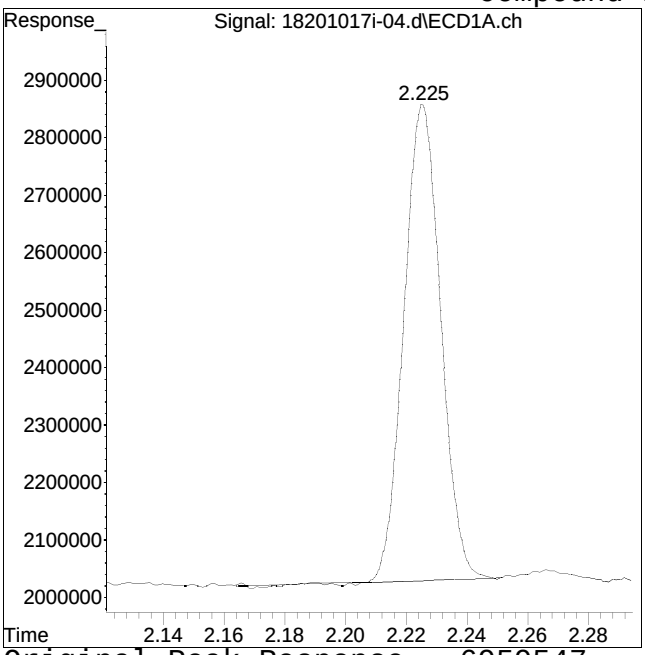
M4 = Poor automated baseline construction.

Manual Integration Report

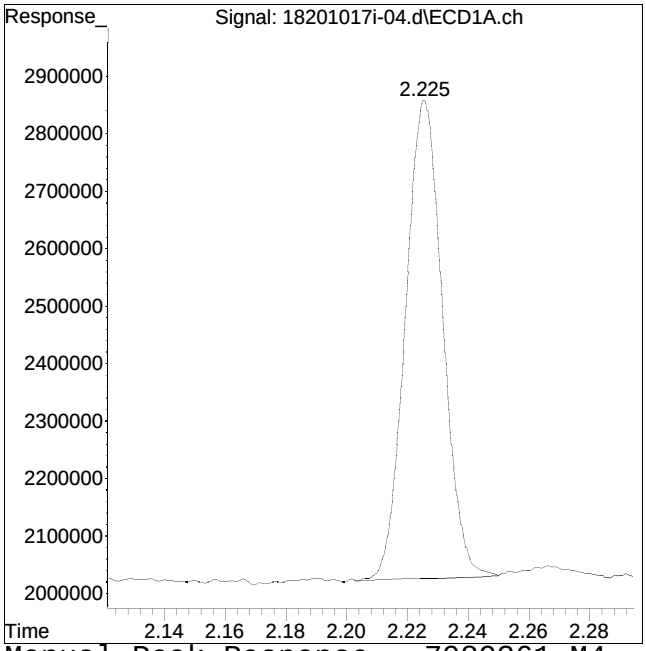
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Date Inj'd : 10/19/2020 6:12 pm
Sample : il2pest,42e,,pp10031

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 12:12 pm

Compound #7: delta-BHC



Original Peak Response = 6959547



Manual Peak Response = 7089361 M4

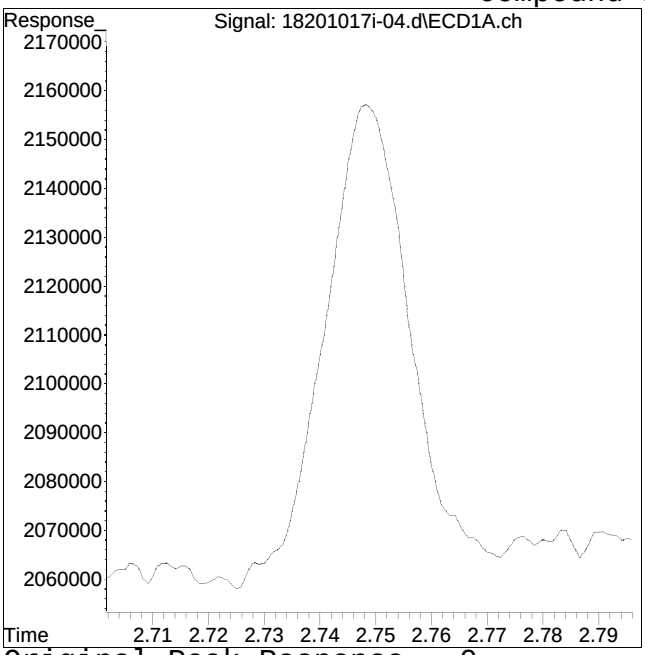
M4 = Poor automated baseline construction.

Manual Integration Report

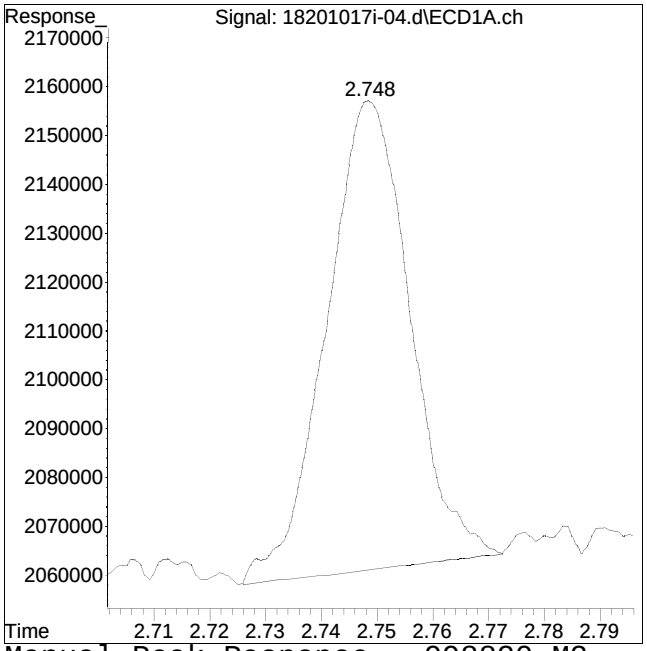
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Date Inj'd : 10/19/2020 6:12 pm
Sample : il2pest,42e,,pp10031

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 12:12 pm

Compound #10: Alachlor



Original Peak Response = 0



Manual Peak Response = 998820 M2

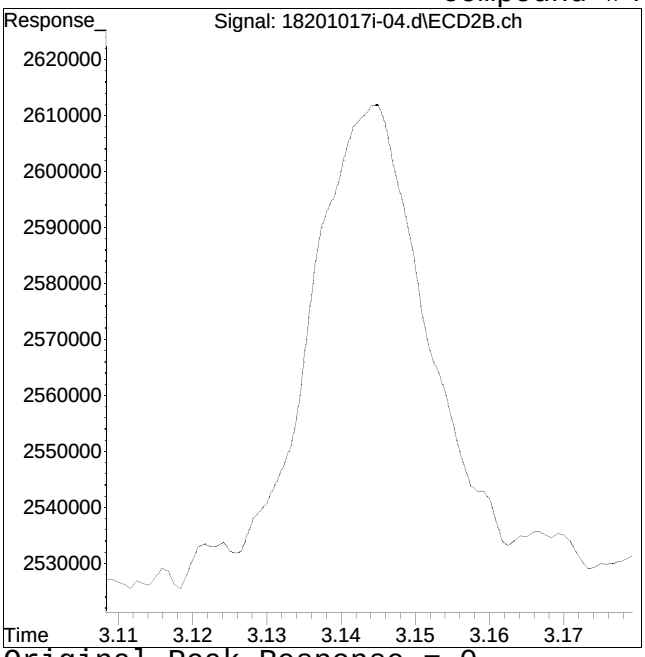
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

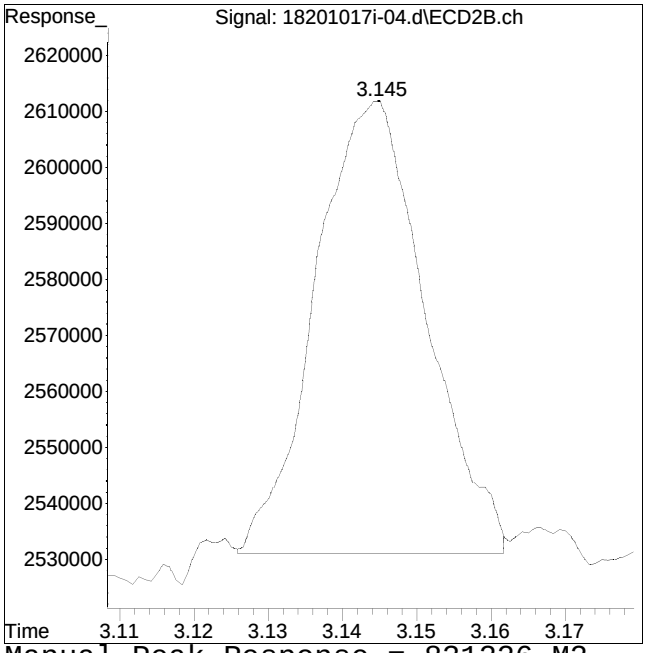
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Date Inj'd : 10/19/2020 6:12 pm
Sample : il2pest,42e,,pp10031

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 12:12 pm

Compound #48: Alachlor #2



Original Peak Response = 0



Manual Peak Response = 831226 M2

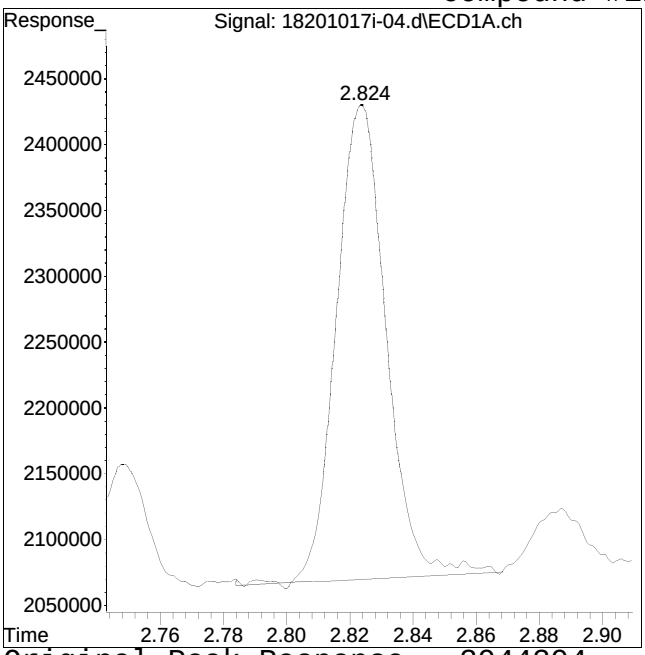
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

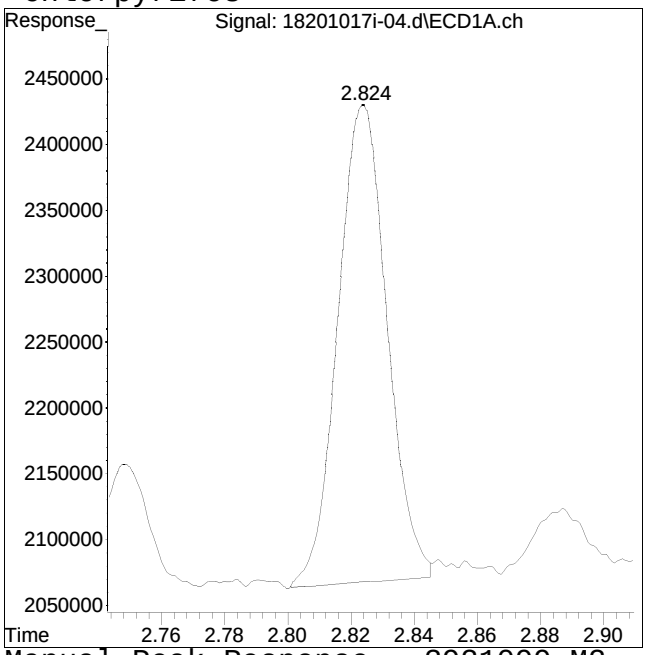
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Date Inj'd : 10/19/2020 6:12 pm
Sample : il2pest,42e,,pp10031

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 12:12 pm

Compound #11: Chlorpyrifos



Original Peak Response = 3944394



Manual Peak Response = 3921099 M2

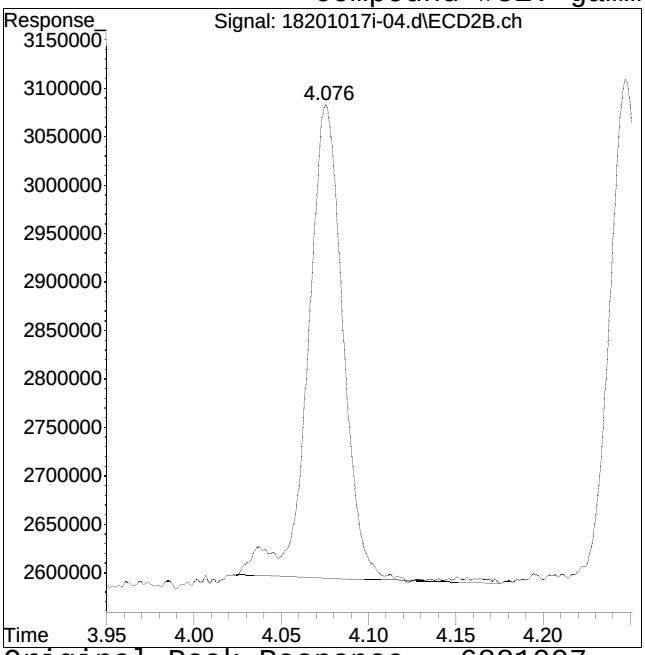
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

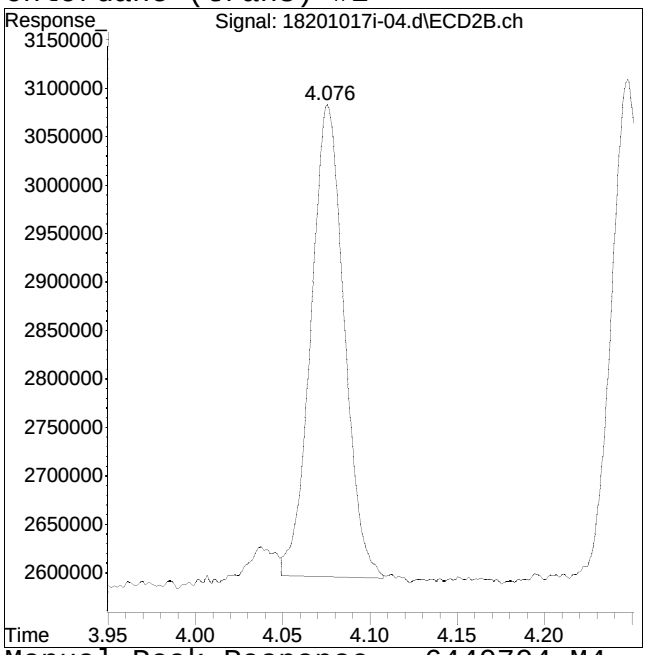
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Date Inj'd : 10/19/2020 6:12 pm
Sample : il2pest,42e,,pp10031

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 12:12 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 6881007



Manual Peak Response = 6440704 M4

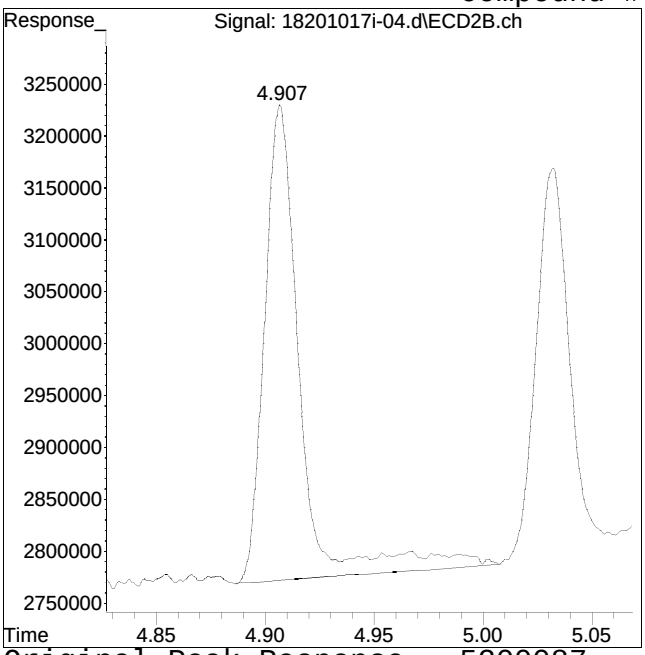
M4 = Poor automated baseline construction.

Manual Integration Report

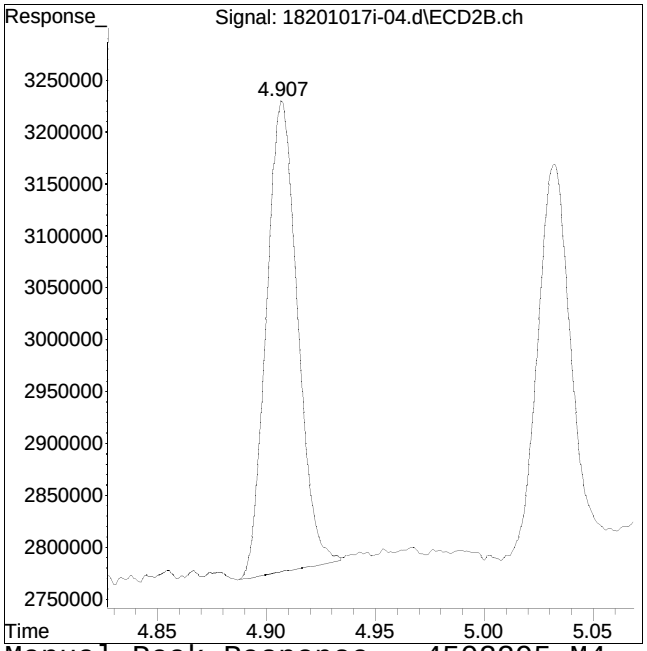
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Date Inj'd : 10/19/2020 6:12 pm
Sample : il2pest,42e,,pp10031

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 12:12 pm

Compound #56: Endrin #2



Original Peak Response = 5200087



Manual Peak Response = 4502295 M4

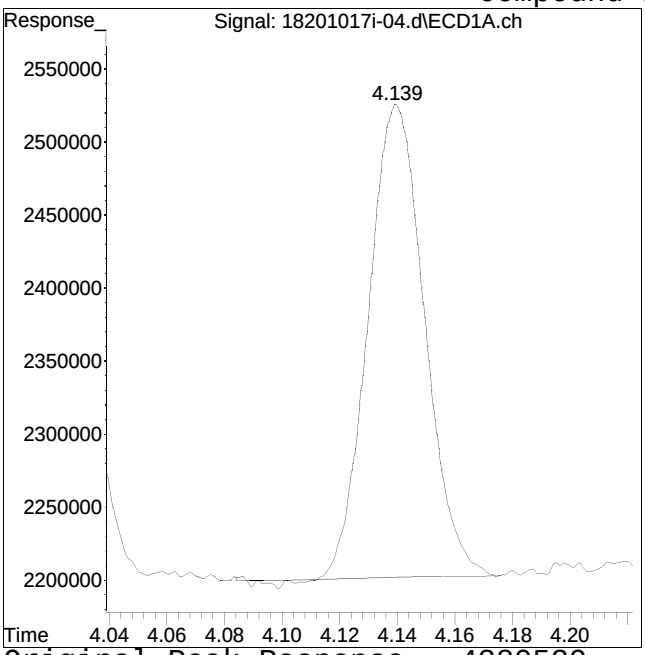
M4 = Poor automated baseline construction.

Manual Integration Report

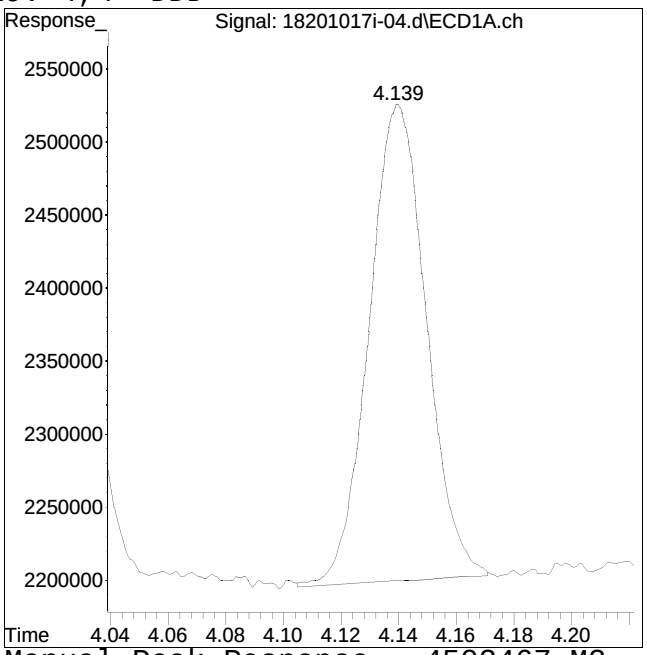
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Date Inj'd : 10/19/2020 6:12 pm
Sample : il2pest,42e,,pp10031

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 12:12 pm

Compound #19: 4,4'-DDD



Original Peak Response = 4380529



Manual Peak Response = 4502467 M2

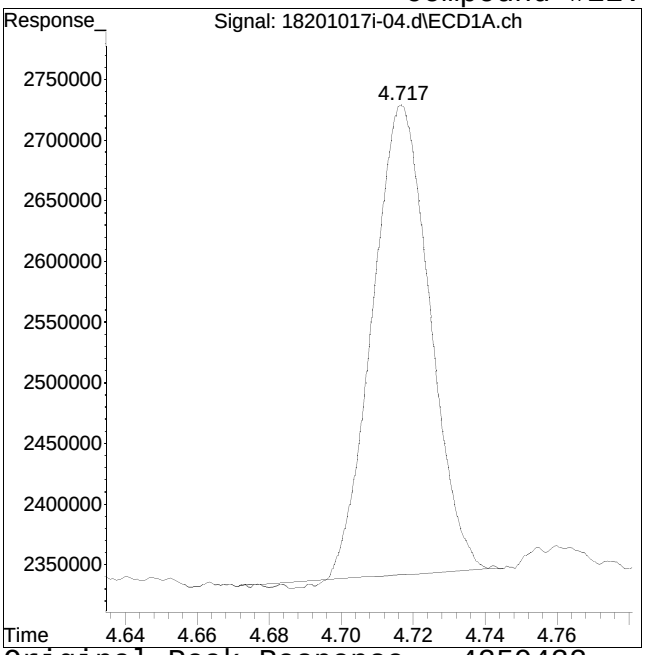
M2 = Peak not found by automatic integration algorithm.

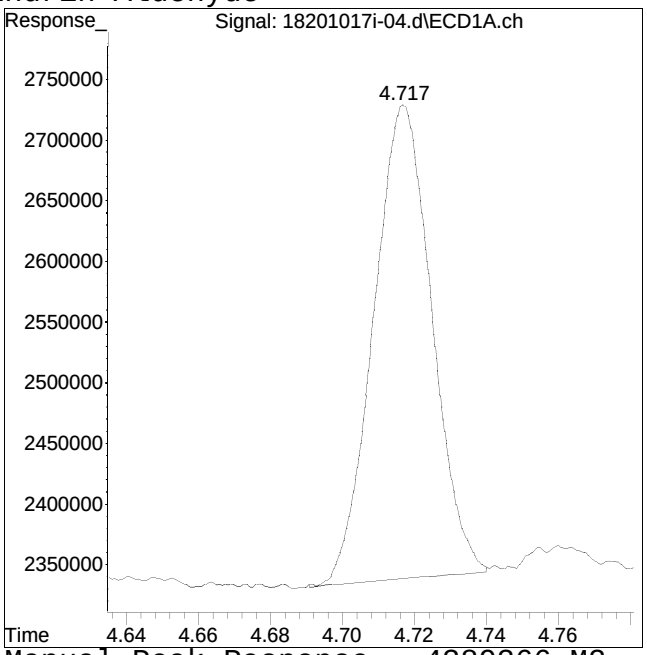
Manual Integration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Date Inj'd : 10/19/2020 6:12 pm
Sample : il2pest,42e,,pp10031

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 12:12 pm

Compound #22: Endrin Aldehyde





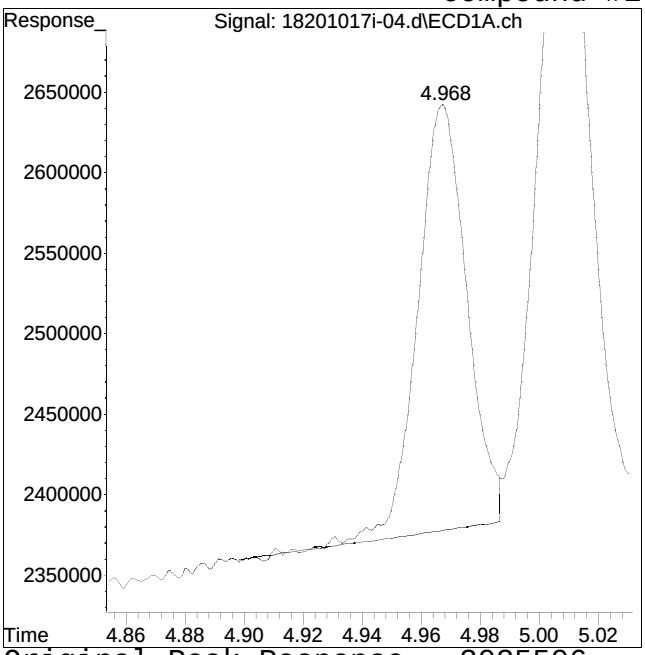
Original Peak Response = 4259432 Manual Peak Response = 4389366 M2
M2 = Peak not found by automatic integration algorithm.

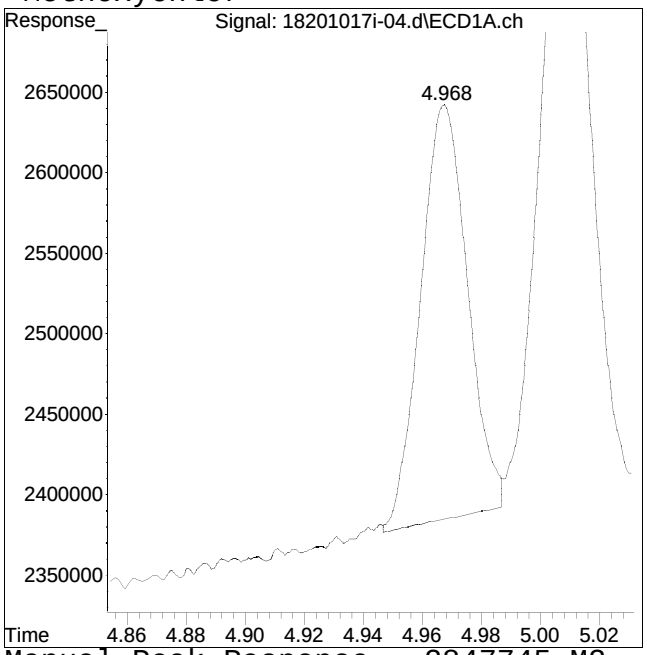
Manual Integration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Date Inj'd : 10/19/2020 6:12 pm
Sample : il2pest,42e,,pp10031

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 12:12 pm

Compound #23: Methoxychlor





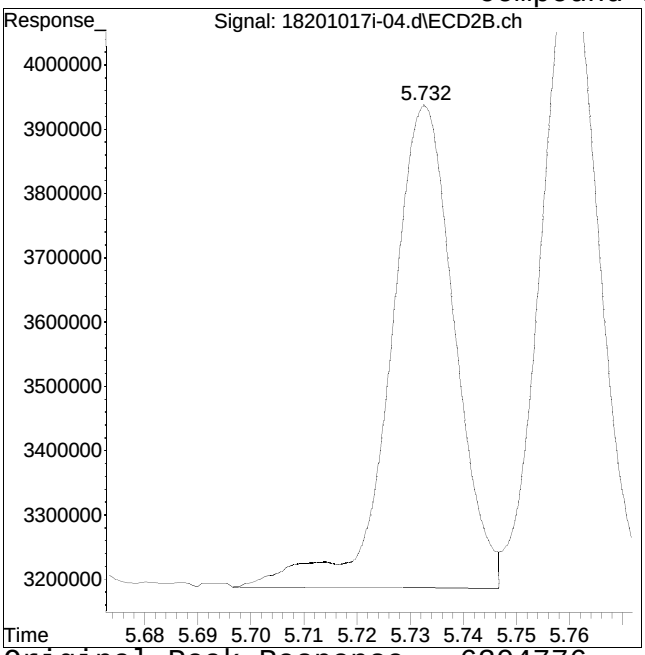
Original Peak Response = 3035506 Manual Peak Response = 2847745 M2
M2 = Peak not found by automatic integration algorithm.

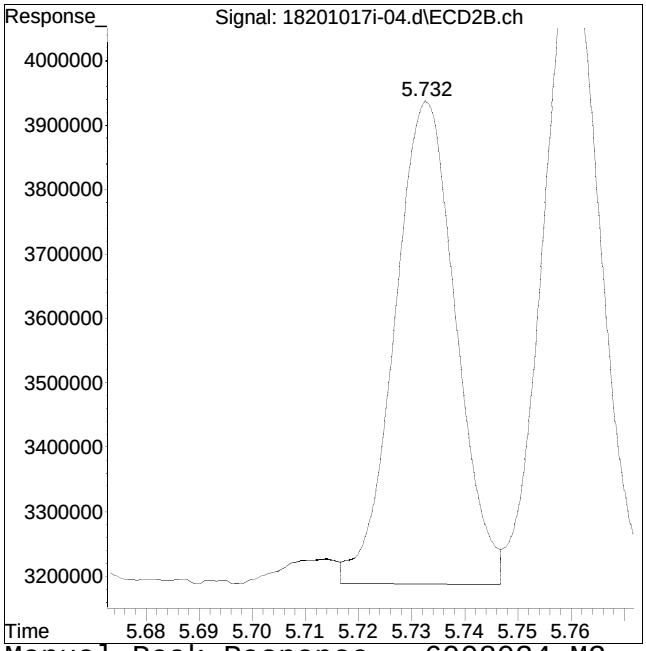
Manual Integration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Date Inj'd : 10/19/2020 6:12 pm
Sample : il2pest,42e,,pp10031

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 12:12 pm

Compound #62: Mirex #2





Original Peak Response = 6304776 Manual Peak Response = 6008034 M3

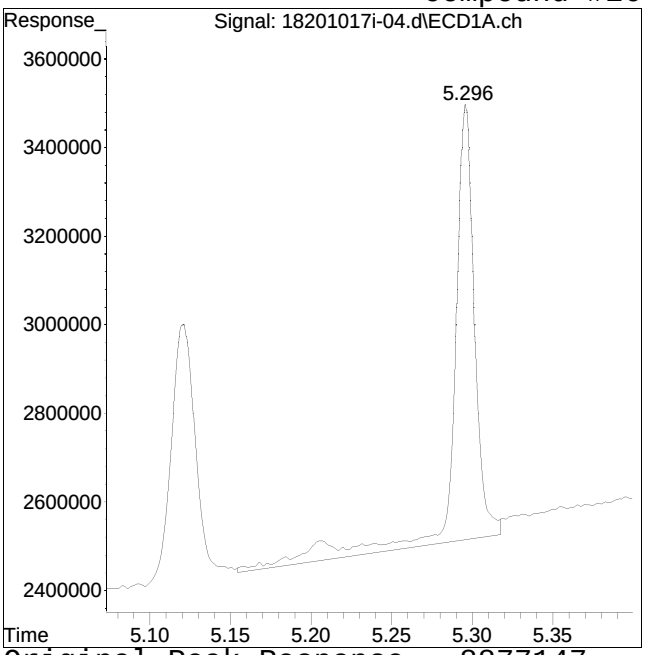
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

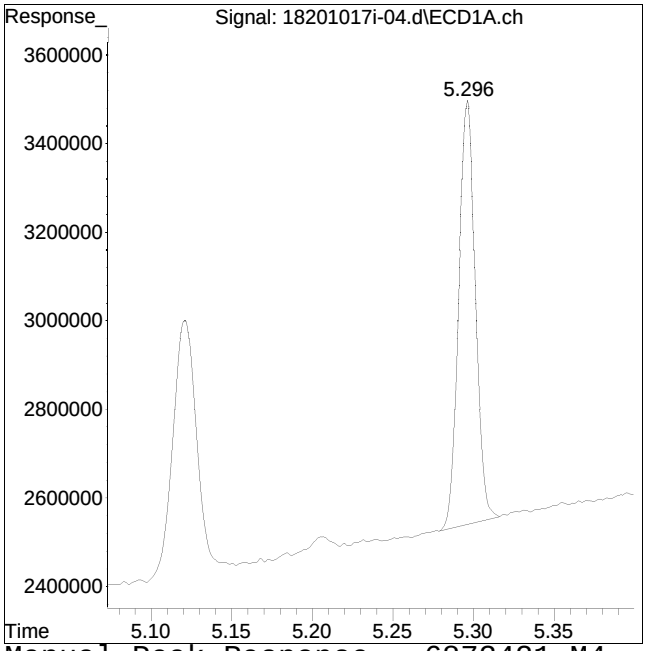
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-04.d
Date Inj'd : 10/19/2020 6:12 pm
Sample : il2pest,42e,,pp10031

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 12:12 pm

Compound #26: Endrin Ketone



Original Peak Response = 8877147



Manual Peak Response = 6873421 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:22 pm
Operator : PEST18:jmc
Sample : il3pest,42e,,pp10030
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 11:44:20 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 11:44:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.230	1.359	88371965	102.0E6	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.557	1.833	10306792	10188839	2.298	2.161
	Spiked Amount 50.000	Range 30 - 150		Recovery =		4.60%#	4.32%#
27) s	Decachlorobi	5.851	6.458	10978857	11506084	N.D.	2.249
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	4.50%#
	Target Compounds						
3)	Hexachlorobe	1.759	2.151	11538458	11970665	2.332	2.209
4)	alpha-BHC	1.854	2.248	12861079	12950374	2.199	2.124
5)	gamma-BHC (l	2.048	2.532	12046043	11465797	2.099	1.985
6)	beta-BHC	2.103	2.596	6055883	6164764	1.397	2.200 D
7)	delta-BHC	2.226	2.861	11943530	10788104	2.277	2.001
8)	Heptachlor	2.378	2.926	12310937	12565111	1.830	2.108
9)	Aldrin	2.610	3.243	11688569	10706233	2.263	2.058
10)	Alachlor	2.749	3.144	1790927	1797979	2.244M2	2.222M2
11)	Chlorpyrifos	2.824	3.486	6823249	6722340	N.D.	2.188
12)	Heptachlor E	3.137	3.857	11783407	10987379	2.338	2.134
13)	gamma-Chlord	3.258	4.076	12359143	11956104	1.431	2.184M3 D
14)	alpha-Chlord	3.387	4.248	11805479	11491885	1.403	2.153 D
15)	4,4'-DDE	3.483	4.450	10263755	9539544	2.134	1.947
16)	Endosulfan I	3.523	4.311	11163851	10454344	2.305	2.144
17)	Dieldrin	3.774	4.606	11356942	10392491	2.201	2.047
18)	Endrin	4.024	4.907	10237852	8595265	2.182	1.974
19)	4,4'-DDD	4.141	5.032	8185136	7258489	2.148	1.943
20)	Endosulfan I	4.282	5.108	10310332	9826259	1.483	2.097
21)	4,4'-DDT	4.450	5.269	9861505	10034969	1.469M4	2.078
22)	Endrin Aldeh	4.717	5.333	7943890	8537757	1.552M4	2.144

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:22 pm
Operator : PEST18:jmc
Sample : il3pest,42e,,pp10030
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 11:44:20 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 11:44:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	4.968	5.644	5282930	5981670	1.100	2.153 D
24)	Mirex	5.009	5.733	9722564	10853578	N.D.	2.302
25)	Endosulfan S	5.122	5.479	9612874	10423608	1.681	2.121M4
26)	Endrin Keton	5.296	5.761	11866052	12754794	2.305M4	2.173
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

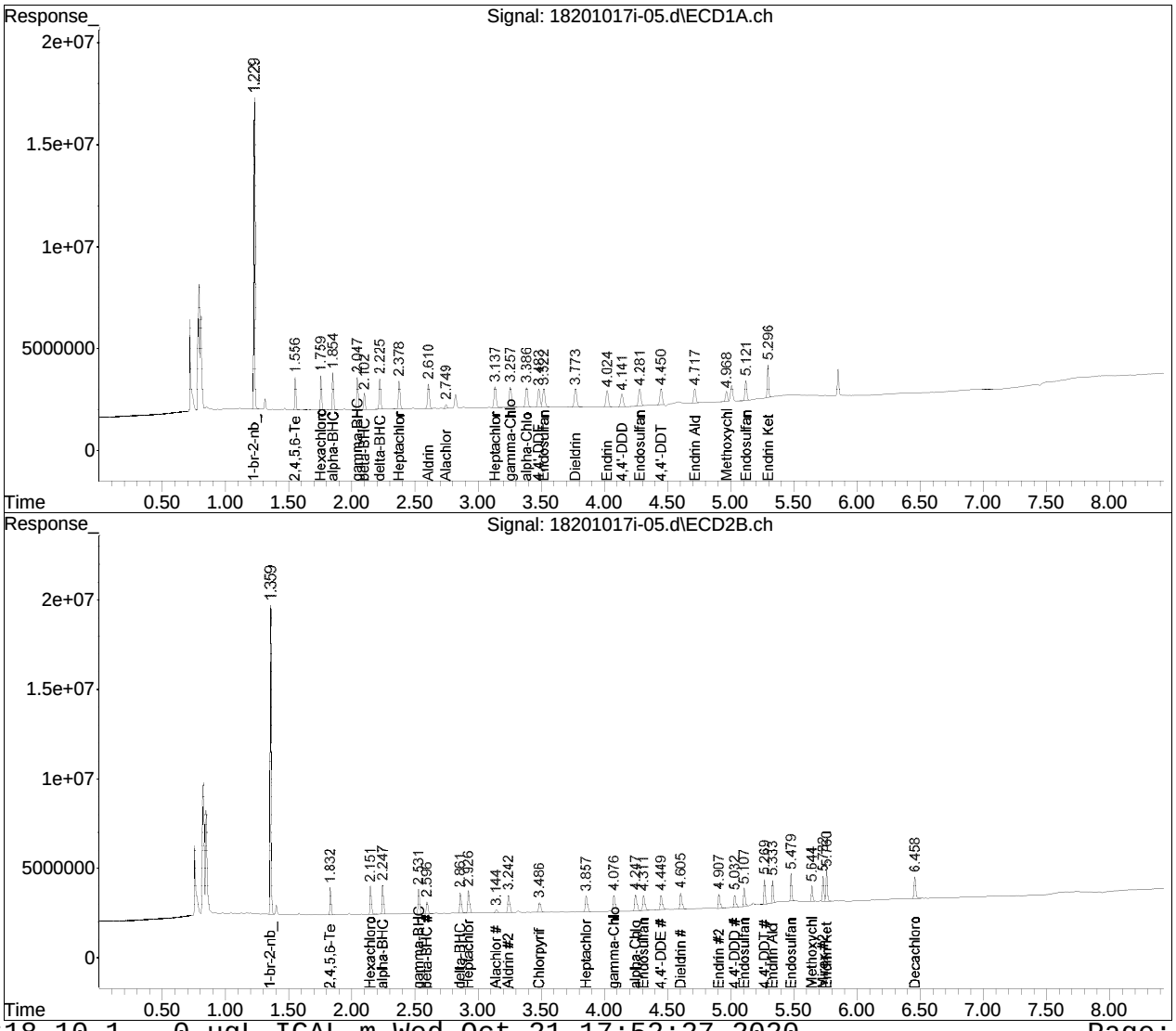
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:22 pm
Operator : PEST18:jmc
Sample : il3pest,42e,,pp10030
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 11:44:20 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 11:44:15 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

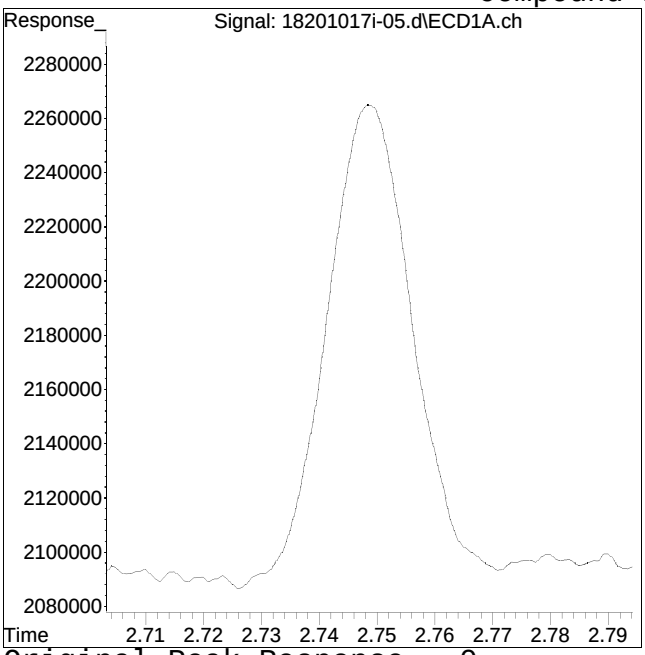


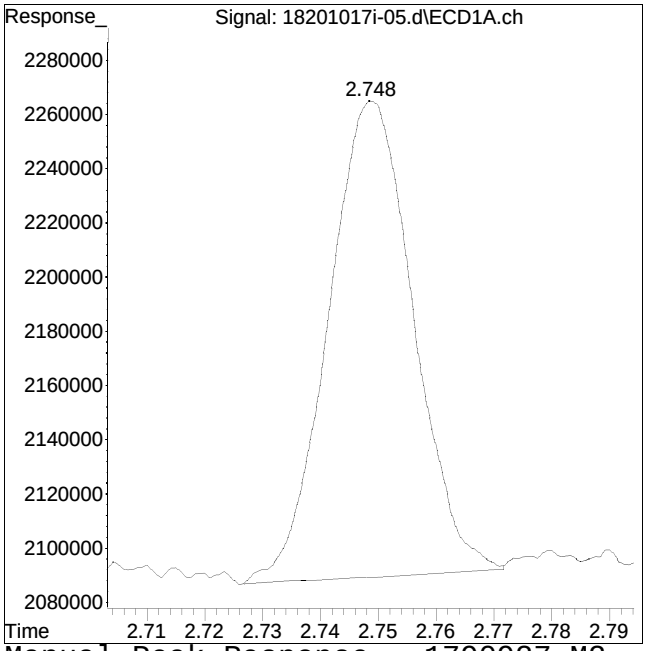
Manual Integration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-05.d
Date Inj'd : 10/19/2020 6:22 pm
Sample : il3pest,42e,,pp10030

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 11:44 am

Compound #10: Alachlor





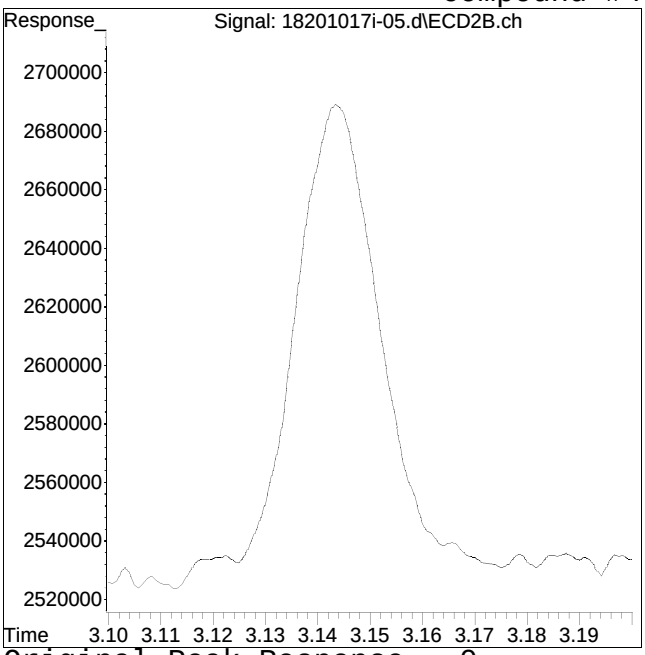
Original Peak Response = 0
Manual Peak Response = 1790927 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

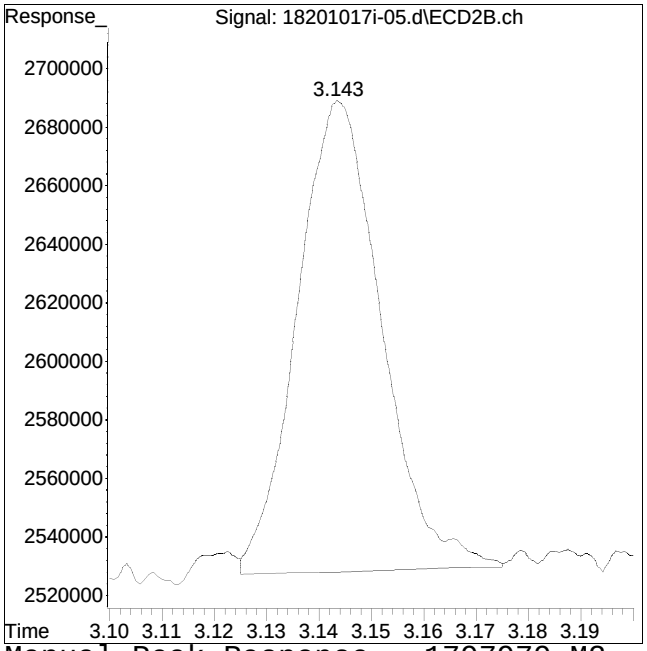
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-05.d
Date Inj'd : 10/19/2020 6:22 pm
Sample : il3pest,42e,,pp10030

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 11:44 am

Compound #48: Alachlor #2



Original Peak Response = 0



Manual Peak Response = 1797979 M2

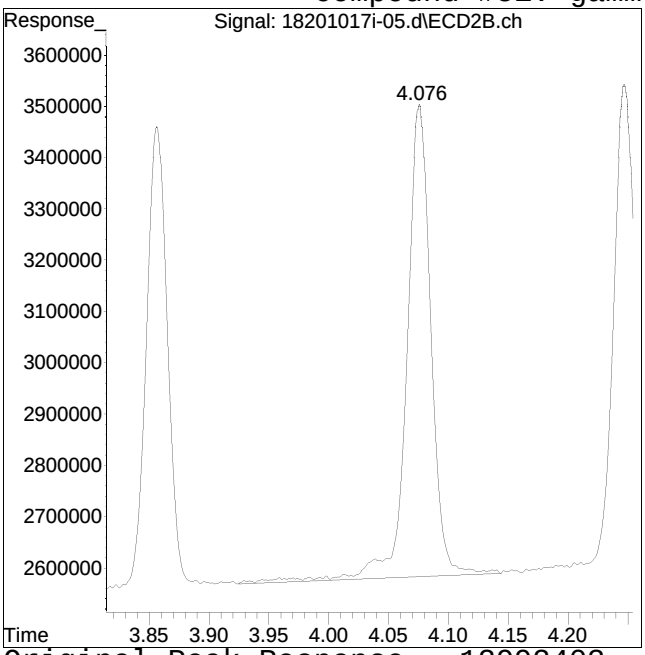
M2 = Peak not found by automatic integration algorithm.

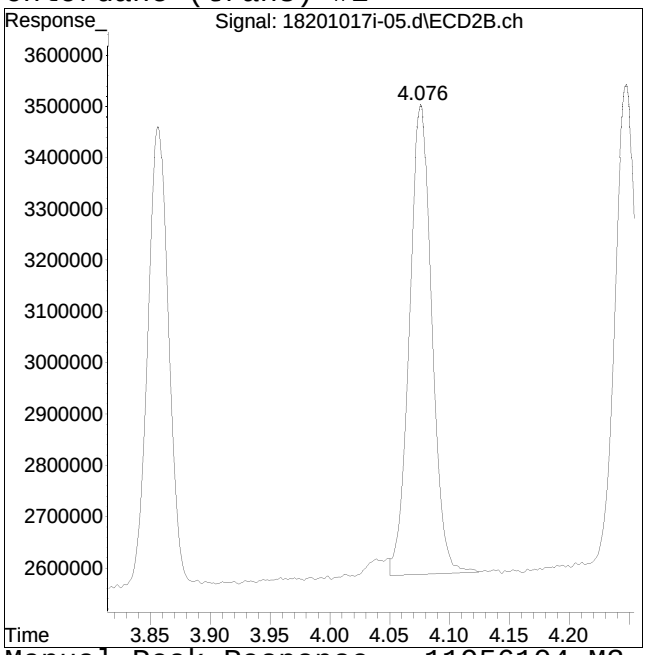
Manual Integration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-05.d
Date Inj'd : 10/19/2020 6:22 pm
Sample : il3pest,42e,,pp10030

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 11:44 am

Compound #51: gamma-Chlordane (trans) #2





Original Peak Response = 12992403 Manual Peak Response = 11956104 M3

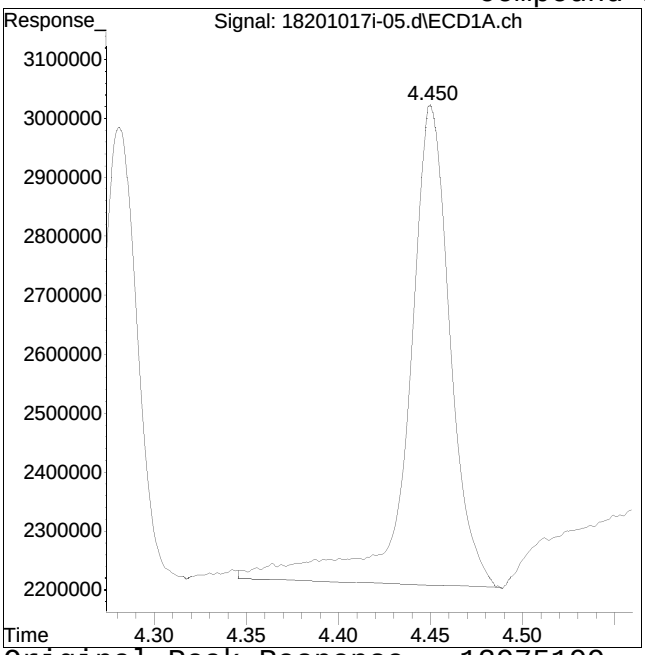
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

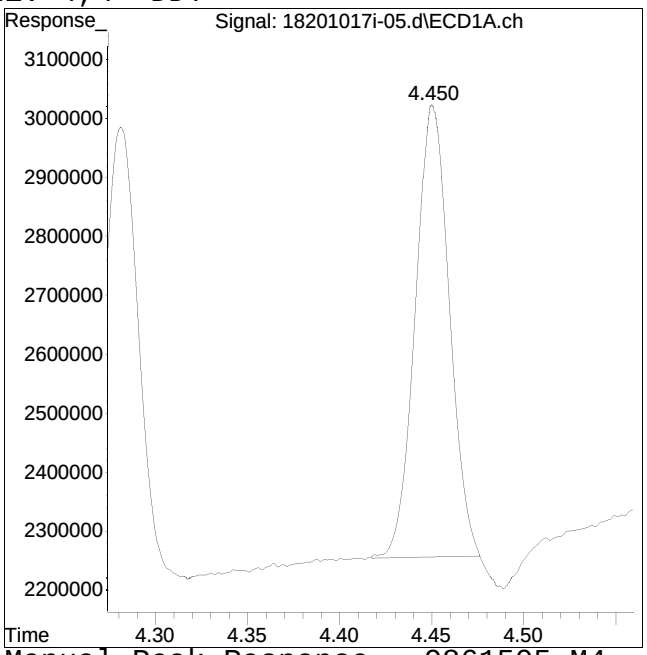
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-05.d
Date Inj'd : 10/19/2020 6:22 pm
Sample : il3pest,42e,,pp10030

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 11:44 am

Compound #21: 4,4'-DDT



Original Peak Response = 12975199



Manual Peak Response = 9861505 M4

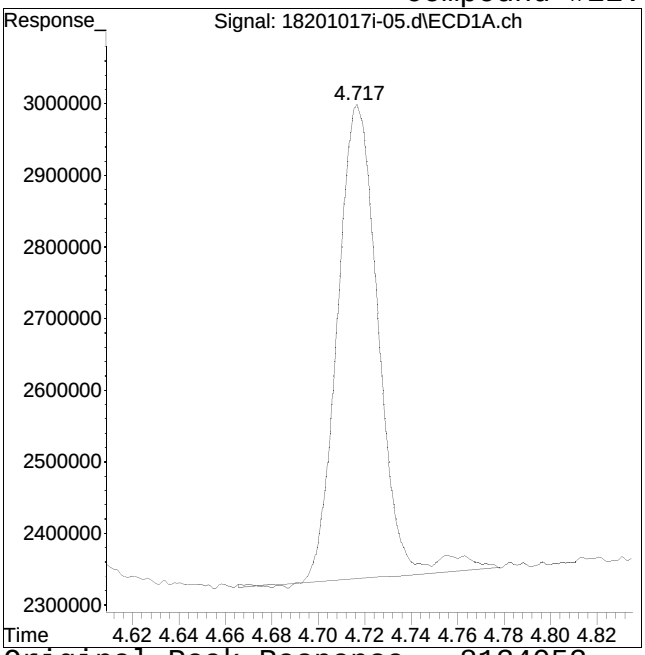
M4 = Poor automated baseline construction.

Manual Integration Report

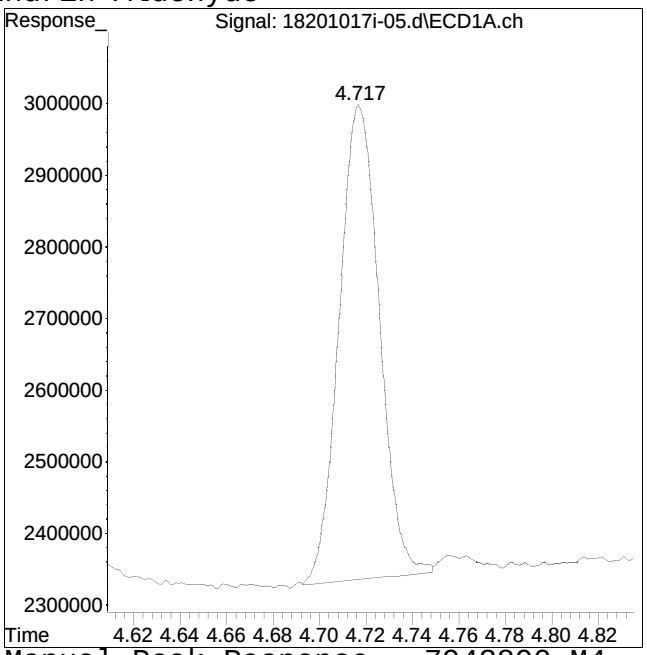
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-05.d
Date Inj'd : 10/19/2020 6:22 pm
Sample : il3pest,42e,,pp10030

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 11:44 am

Compound #22: Endrin Aldehyde



Original Peak Response = 8134053



Manual Peak Response = 7943890 M4

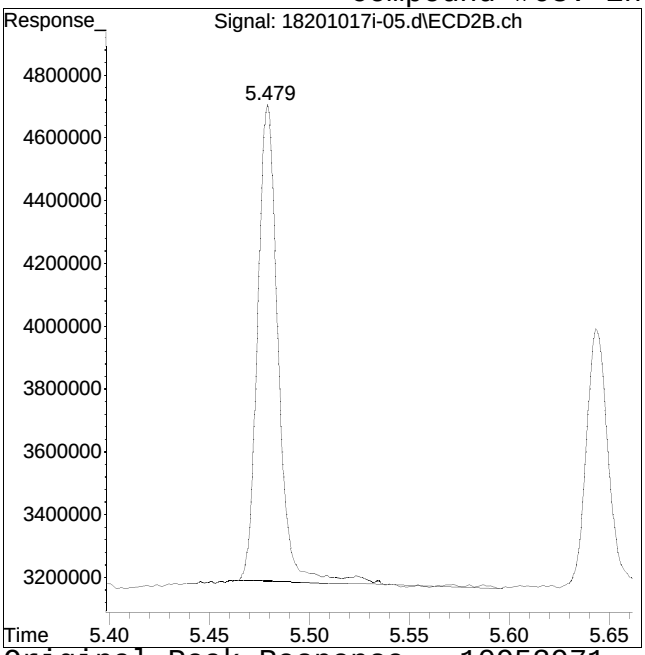
M4 = Poor automated baseline construction.

Manual Integration Report

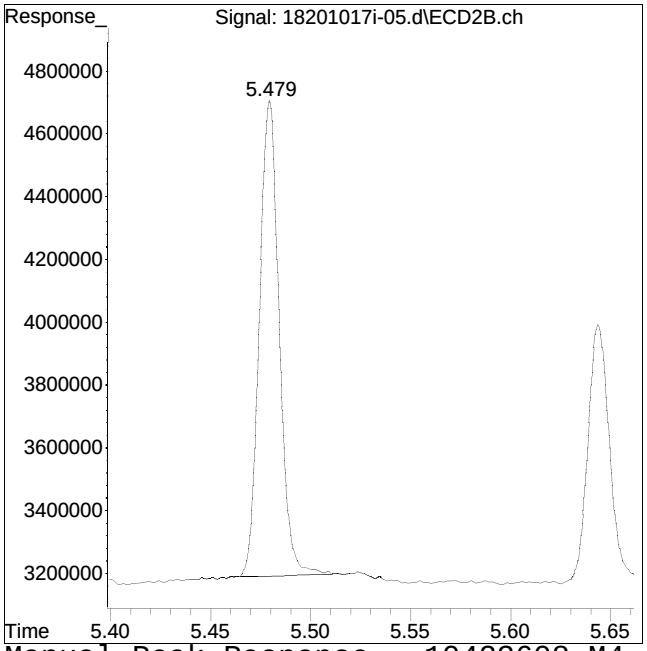
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-05.d
Date Inj'd : 10/19/2020 6:22 pm
Sample : il3pest,42e,,pp10030

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 11:44 am

Compound #63: Endosulfan Sulfate #2



Original Peak Response = 10953971



Manual Peak Response = 10423608 M4

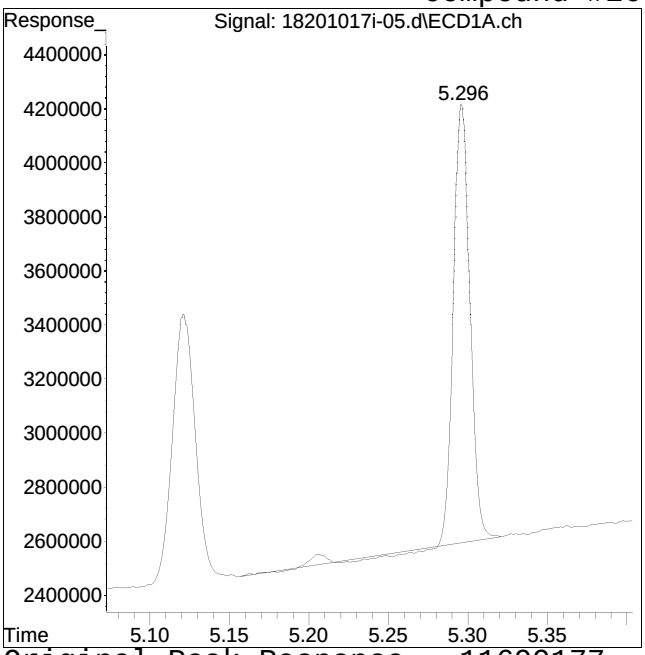
M4 = Poor automated baseline construction.

Manual Integration Report

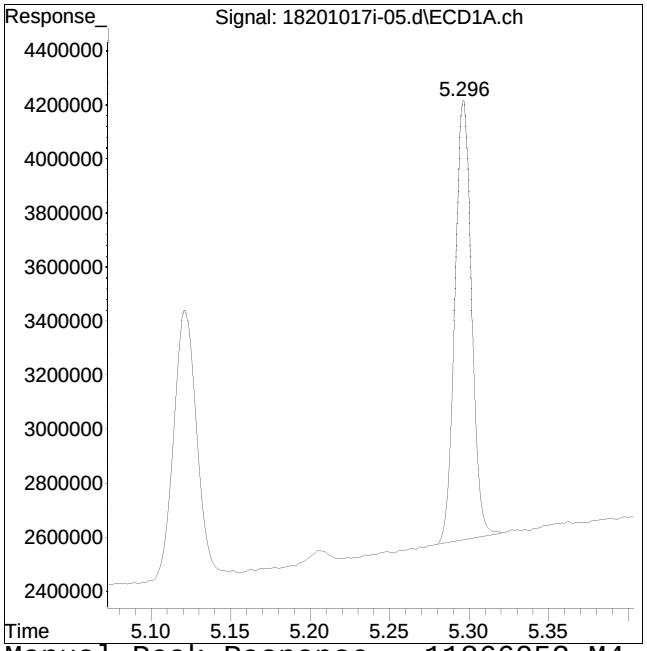
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-05.d
Date Inj'd : 10/19/2020 6:22 pm
Sample : il3pest,42e,,pp10030

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 11:44 am

Compound #26: Endrin Ketone



Original Peak Response = 11699177



Manual Peak Response = 11866052 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:32 pm
Operator : PEST18:jmc
Sample : il4pest,42e,,pp10029
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 21 13:59:04 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 11:37:36 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
	Internal Standards							
1) i	1-br-2-nb_Pe	1.229	1.358	81881544	94960279	25.000	25.000	
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d	
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d	
	System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.556	1.832	14494893	14185741	3.487	3.232	
	Spiked Amount 50.000	Range 30 - 150		Recovery =		6.97%#	6.46%#	
27) s	Decachlorobi	5.850	6.458	15309414	16414572	1.164M4	3.446	
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.33%#	6.89%#	
	Target Compounds							
3)	Hexachlorobe	1.759	2.151	16286503	16895920	3.553	3.349	
4)	alpha-BHC	1.854	2.247	18228054	17465662	3.364	3.077	
5)	gamma-BHC (l	2.047	2.531	17131156	16681119	3.501	3.102	
6)	beta-BHC	2.102	2.596	8712018	8933124	3.051	3.424	
7)	delta-BHC	2.225	2.861	16527193	16328429	3.400	3.254	
8)	Heptachlor	2.377	2.926	17501426	18346064	3.338	3.306	
9)	Aldrin	2.609	3.242	16489350	15452187	3.445	3.190	
10)	Alachlor	2.748	3.143	2599420	2462128	3.515	3.268	
11)	Chlorpyrifos	2.823	3.486	9530974	9721183	0.895	3.398	D
12)	Heptachlor E	3.136	3.856	16785026	15071166	3.595	3.145	
13)	gamma-Chlord	3.257	4.076	17711499	16962580	3.073	3.328	
14)	alpha-Chlord	3.386	4.247	17134492	16409308	3.060	3.303	
15)	4,4'-DDE	3.482	4.449	14588808	14773908	3.274	3.239	
16)	Endosulfan I	3.521	4.310	16107375	14888200	3.589	3.279	
17)	Dieldrin	3.773	4.605	16289129	15360506	3.408	3.249	
18)	Endrin	4.023	4.907	14369834	11957444	3.306	2.950	
19)	4,4'-DDD	4.140	5.032	12597496	10824563	3.568	3.112	
20)	Endosulfan I	4.280	5.107	14795462	14370921	3.009M4	3.294	
21)	4,4'-DDT	4.449	5.269	13842171	14483845	2.866M4	3.222	
22)	Endrin Aldeh	4.717	5.333	10721987	11749673	2.728	3.169	
23)	Methoxychlor	4.968	5.644	7322302	9379021	2.526	3.626	

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:32 pm
Operator : PEST18:jmc
Sample : il4pest,42e,,pp10029
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 21 13:59:04 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 11:37:36 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
24)	Mirex	5.009	5.733	13575958	15223821	0.674	3.468	D
25)	Endosulfan S	5.121	5.479	14966382	15086442	3.496	3.297	
26)	Endrin Keton	5.296	5.760	16893158	18722108	3.542M4	3.425	
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d	
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d	
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d	
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	chlordane-1			0	0	N.D.	N.D.	
Average	chlordane-1					0.000	0.000	
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d	
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d	
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d	
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	toxaphene-1			0	0	N.D.	N.D.	
Average	toxaphene-1					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.	
Average	toxaphene-1					0.000	0.000	

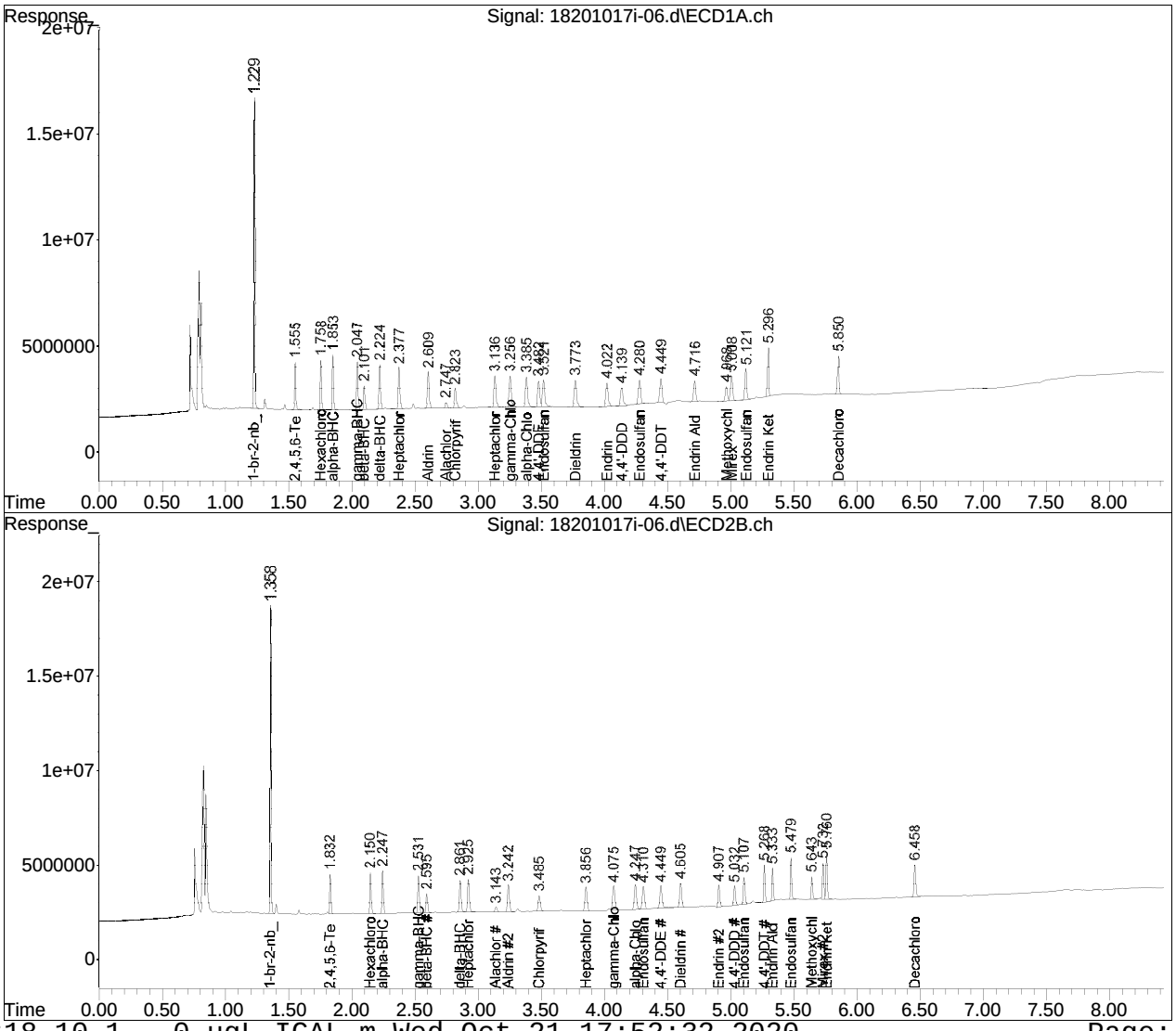
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:32 pm
Operator : PEST18:jmc
Sample : il4pest,42e,,pp10029
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 21 13:59:04 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 11:37:36 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

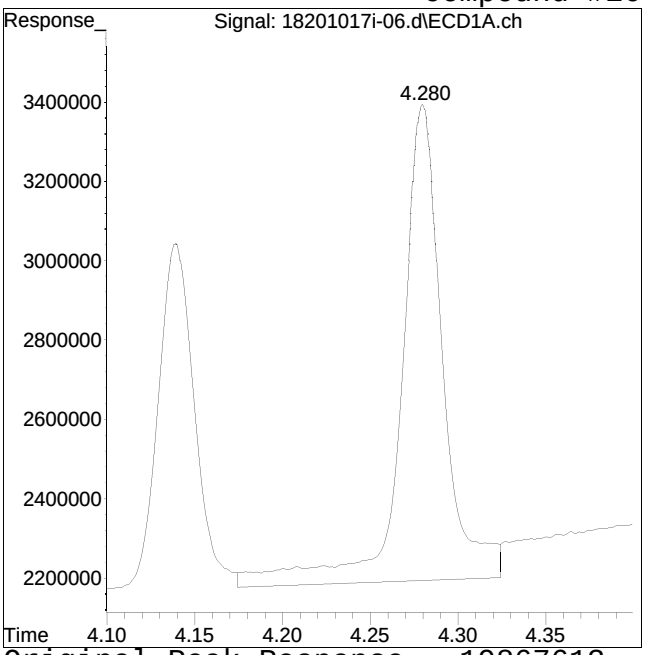


Manual Integration Report

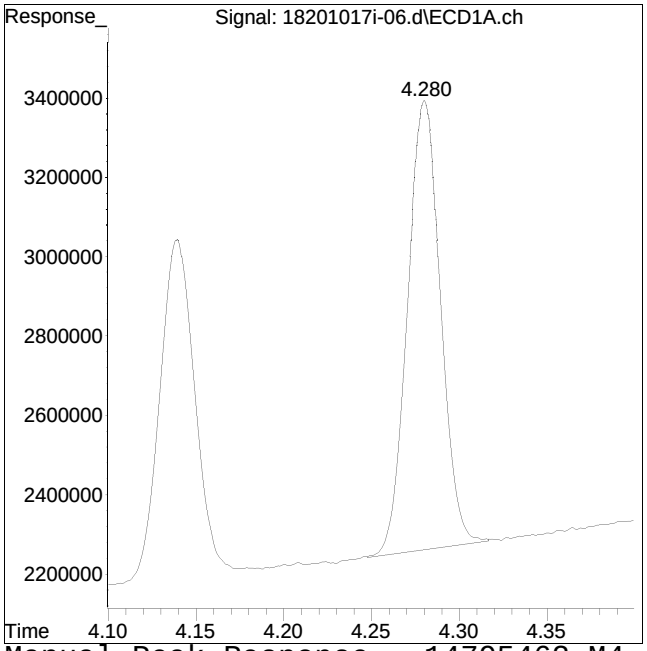
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-06.d
Date Inj'd : 10/19/2020 6:32 pm
Sample : il4pest,42e,,pp10029

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 11:45 am

Compound #20: Endosulfan II



Original Peak Response = 19867613



Manual Peak Response = 14795462 M4

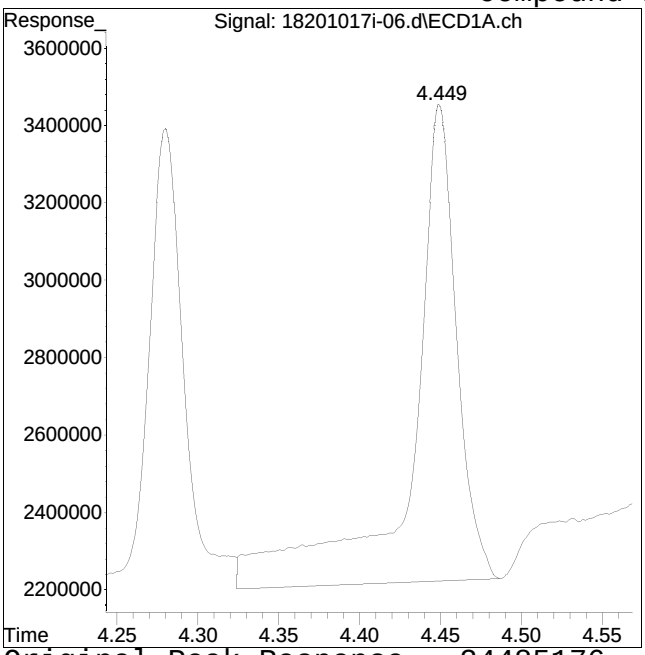
M4 = Poor automated baseline construction.

Manual Integration Report

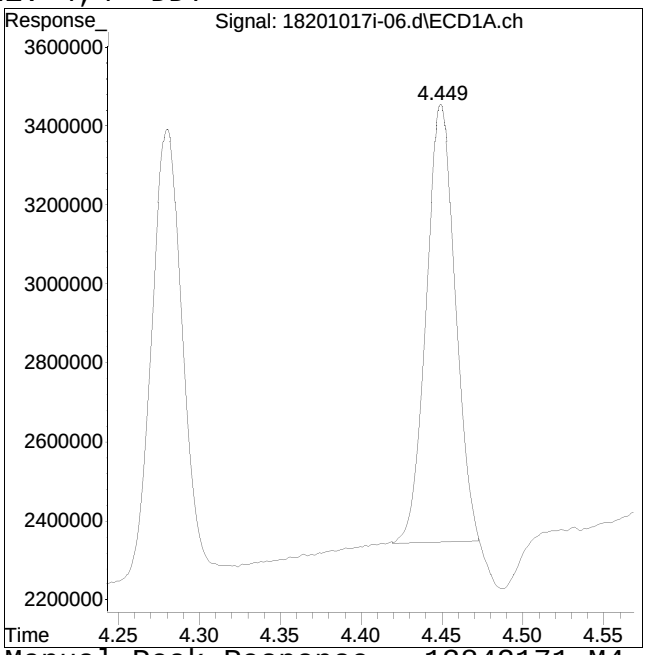
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-06.d
Date Inj'd : 10/19/2020 6:32 pm
Sample : il4pest,42e,,pp10029

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 11:45 am

Compound #21: 4,4'-DDT



Original Peak Response = 24485176



Manual Peak Response = 13842171 M4

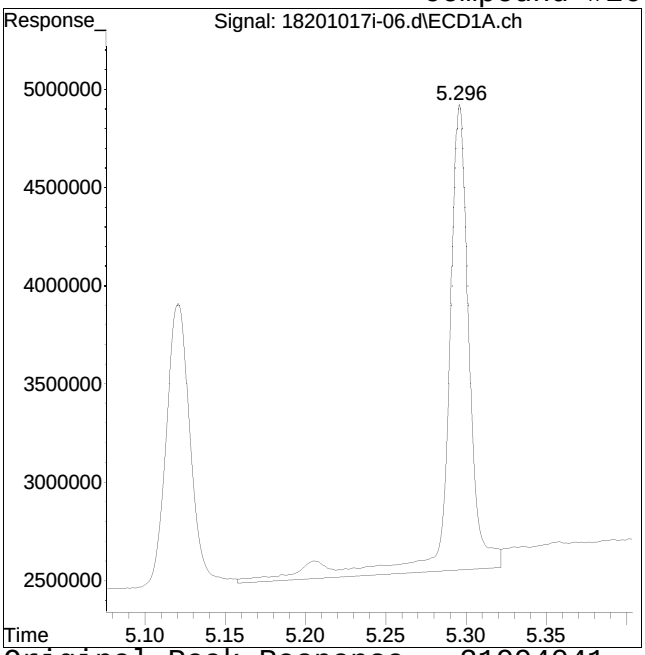
M4 = Poor automated baseline construction.

Manual Integration Report

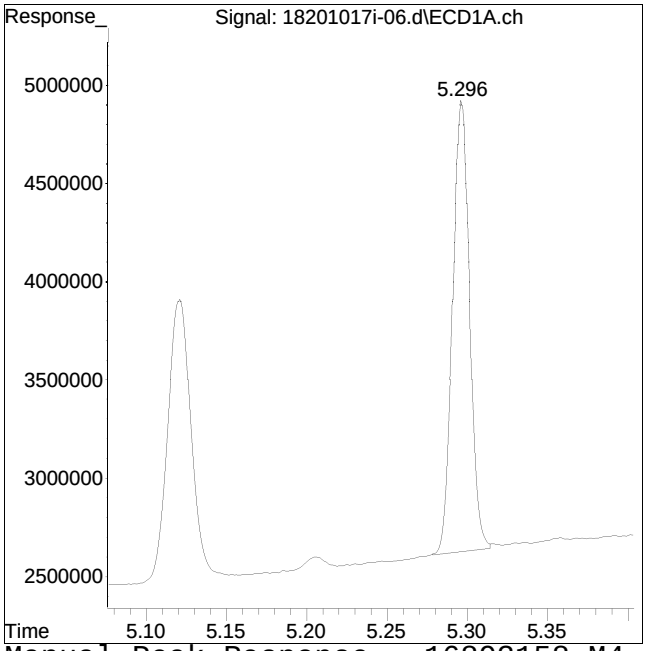
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-06.d
Date Inj'd : 10/19/2020 6:32 pm
Sample : il4pest,42e,,pp10029

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 11:45 am

Compound #26: Endrin Ketone



Original Peak Response = 21994041



Manual Peak Response = 16893158 M4

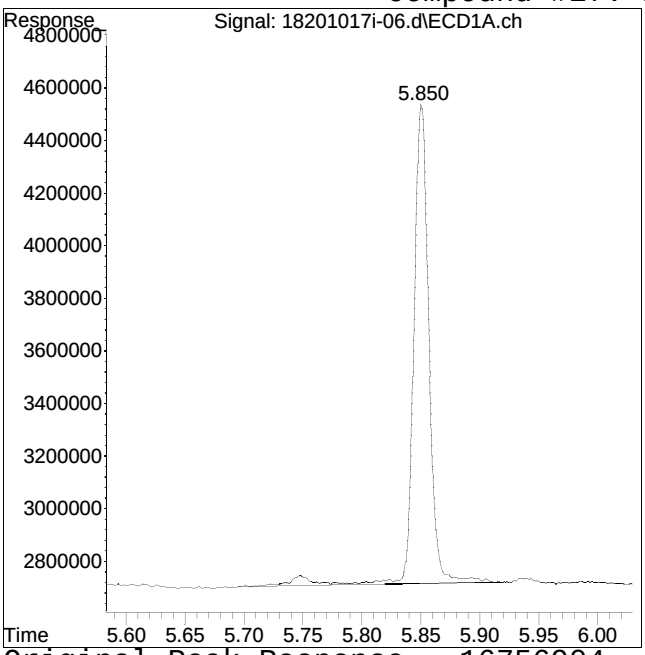
M4 = Poor automated baseline construction.

Manual Integration Report

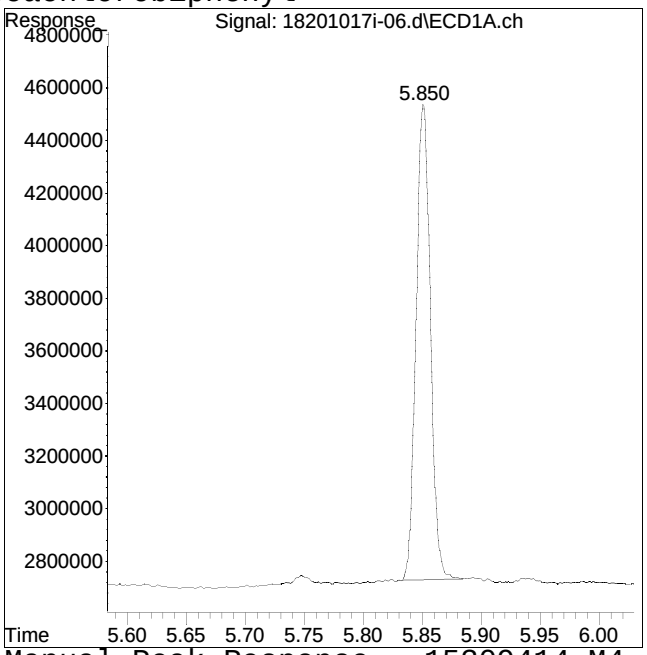
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-06.d
Date Inj'd : 10/19/2020 6:32 pm
Sample : il4pest,42e,,pp10029

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 11:45 am

Compound #27: Decachlorobiphenyl



Original Peak Response = 16756904



Manual Peak Response = 15309414 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:42 pm
Operator : PEST18:jmc
Sample : il5pest,42e,,pp10028
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:37:19 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:33:56 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.231	1.360	94280866	108.4E6	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.558	1.834	19409329	19550129	4.517	4.076
	Spiked Amount 50.000	Range 30 - 150		Recovery =		9.03%#	8.15%#
27) s	Decachlorobi	5.851	6.458	20283456	20768018	4.596	4.203
	Spiked Amount 50.000	Range 30 - 150		Recovery =		9.19%#	8.41%#
	Target Compounds						
3)	Hexachlorobe	1.760	2.152	21406837	23126676	4.638	4.379
4)	alpha-BHC	1.855	2.248	24461495	23951566	4.238	3.764
5)	gamma-BHC (l	2.049	2.532	23193178	22720111	4.322	3.857
6)	beta-BHC	2.104	2.597	11725999	12038690	4.637	4.255
7)	delta-BHC	2.226	2.862	21791271	21298596	4.154	3.728
8)	Heptachlor	2.379	2.927	23556578	24398158	4.431	4.064
9)	Aldrin	2.611	3.243	22464263	21436445	4.342	3.925
10)	Alachlor	2.749	3.144	3372709	3459016	4.403M2	4.218
11)	Chlorpyrifos	2.825	3.487	12675330	13404152	4.609	4.508
12)	Heptachlor E	3.138	3.857	22305258	21610755	4.483	4.032
13)	gamma-Chlord	3.259	4.077	23100181	22875006	4.491	4.082
14)	alpha-Chlord	3.387	4.248	22494358	22206421	4.446	4.041
15)	4,4'-DDE	3.484	4.449	20240488	19197833	4.185	3.678
16)	Endosulfan I	3.523	4.311	21209811	20088973	4.433	3.982
17)	Dieldrin	3.774	4.606	21563842	20241232	4.303	3.838
18)	Endrin	4.024	4.907	19647890	17440018	4.269	3.730
19)	4,4'-DDD	4.141	5.032	15736882	14353369	4.137	3.562
20)	Endosulfan I	4.282	5.108	19952066	19286699	4.375	3.963
21)	4,4'-DDT	4.451	5.269	19311978	19133153	4.294	3.762
22)	Endrin Aldeh	4.717	5.333	15737378	16502596	4.100M4	3.981
23)	Methoxychlor	4.968	5.644	9994601	11386345	4.318	3.994

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:42 pm
Operator : PEST18:jmc
Sample : il5pest,42e,,pp10028
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:37:19 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:33:56 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24)	Mirex	5.009	5.732	18446693	19745974	4.721	4.446
25)	Endosulfan S	5.122	5.479	19084313	19756561	4.300	4.086
26)	Endrin Keton	5.297	5.760	22076384	24108471	4.307	4.019
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

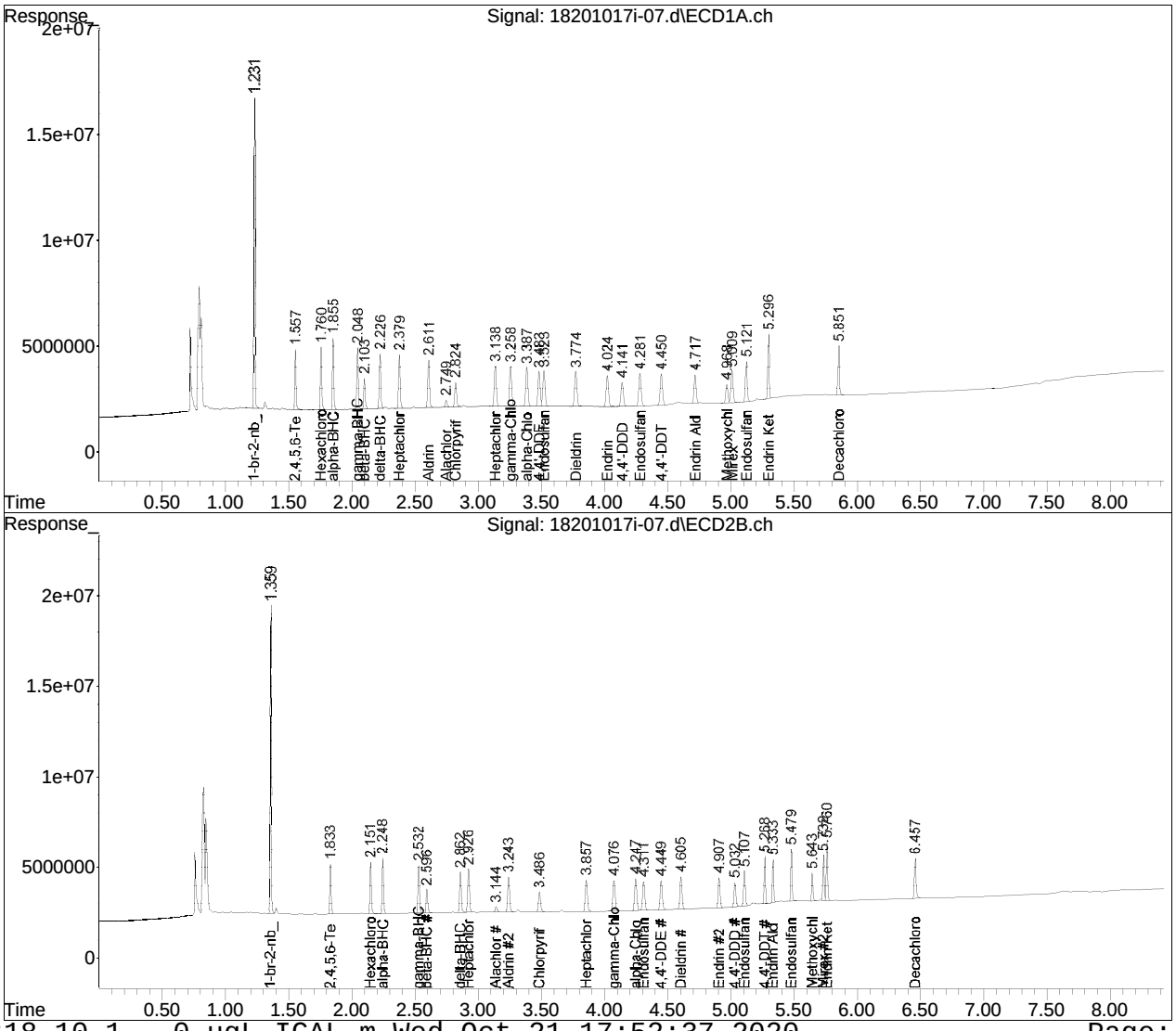
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:42 pm
Operator : PEST18:jmc
Sample : il5pest,42e,,pp10028
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:37:19 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:33:56 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

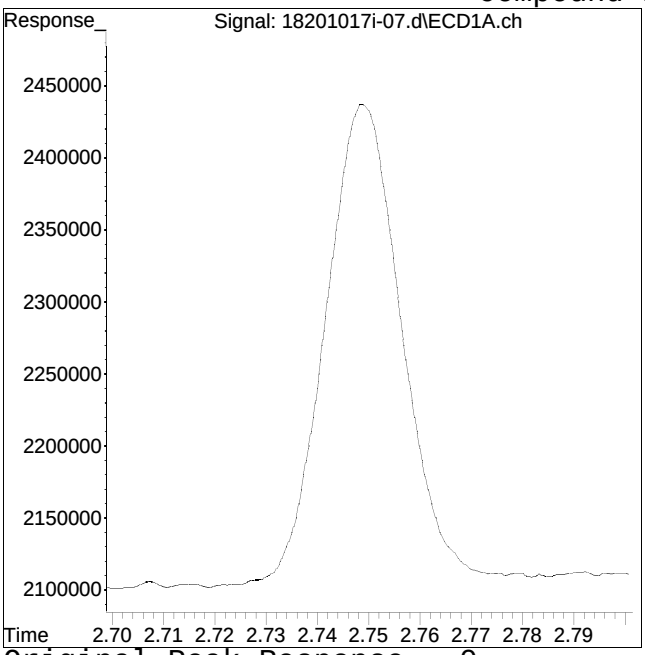


Manual Integration Report

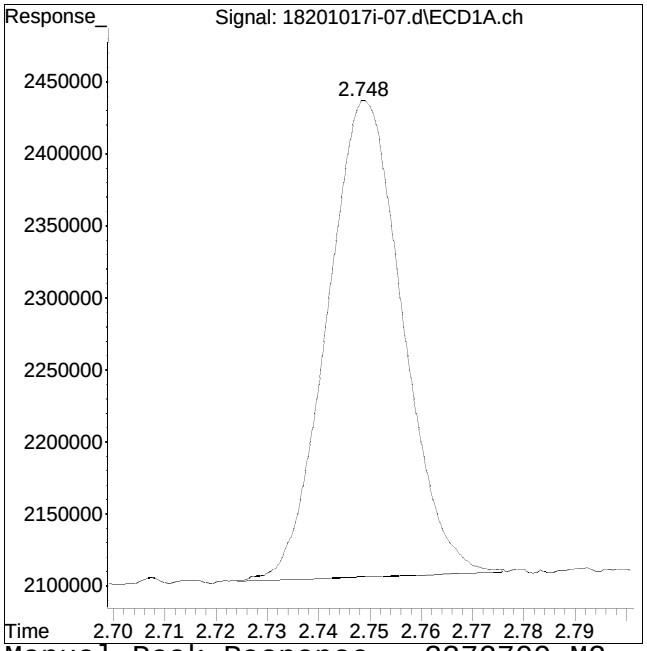
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-07.d
Date Inj'd : 10/19/2020 6:42 pm
Sample : il5pest,42e,,pp10028

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 8:34 am

Compound #10: Alachlor



Original Peak Response = 0



Manual Peak Response = 3372709 M2

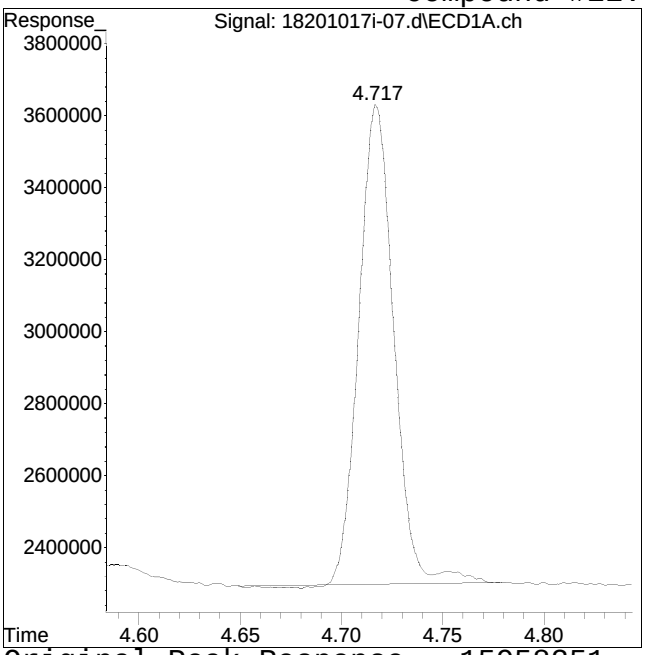
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

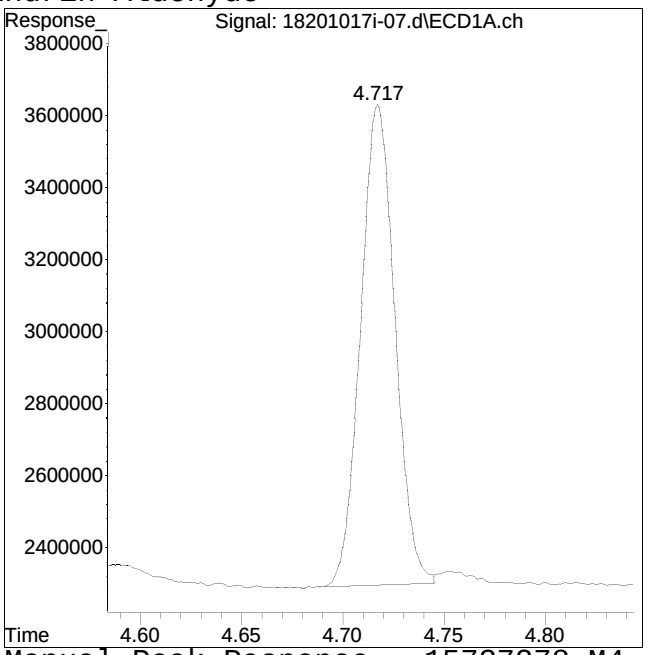
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-07.d
Date Inj'd : 10/19/2020 6:42 pm
Sample : il5pest,42e,,pp10028

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 8:34 am

Compound #22: Endrin Aldehyde



Original Peak Response = 15958251



Manual Peak Response = 15737378 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:52 pm
Operator : PEST18:jmc
Sample : il6pest,42e,,pp10027
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:37:46 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:32:48 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.231	1.359	79393716	90794687	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.557	1.833	22836956	23550412	6.753	6.127
	Spiked Amount 50.000	Range 30 - 150		Recovery =		13.51%#	12.25%#
27) s	Decachlorobi	5.851	6.458	25100579	26040424	7.404	6.728
	Spiked Amount 50.000	Range 30 - 150		Recovery =		14.81%#	13.46%#
	Target Compounds						
3)	Hexachlorobe	1.760	2.151	25338787	27274094	7.056	6.550
4)	alpha-BHC	1.854	2.248	29065808	28741562	6.289	5.501
5)	gamma-BHC (l	2.048	2.532	27603685	27277196	6.466	5.680
6)	beta-BHC	2.102	2.596	13811861	14364351	7.006	6.403
7)	delta-BHC	2.225	2.861	26022647	25803338	6.165	5.501
8)	Heptachlor	2.378	2.926	28430461	29644020	6.811	6.173
9)	Aldrin	2.610	3.243	27268952	25957579	6.679	5.873
10)	Alachlor	2.748	3.144	4296890	4036938	7.265M2	6.149
11)	Chlorpyrifos	2.824	3.486	15457361	16076377	7.284	6.962
12)	Heptachlor E	3.137	3.857	27042251	26539788	6.961	6.196
13)	gamma-Chlord	3.258	4.076	28224995	28095858	7.050	6.297
14)	alpha-Chlord	3.386	4.248	27609123	27786447	6.998	6.368
15)	4,4'-DDE	3.483	4.449	25144436	24099904	6.559	5.658
16)	Endosulfan I	3.522	4.311	25852229	25247385	6.906	6.283
17)	Dieldrin	3.774	4.606	26587276	25256410	6.738	5.931
18)	Endrin	4.024	4.907	24317874	21417772	6.701	5.601
19)	4,4'-DDD	4.141	5.032	19397713	18684838	6.394	5.689
20)	Endosulfan I	4.281	5.108	24232059	24030327	6.752	6.173
21)	4,4'-DDT	4.451	5.269	24509207	24507940	6.986	5.979
22)	Endrin Aldeh	4.717	5.333	19402284	20107109	6.373M4	6.031
23)	Methoxychlor	4.968	5.644	12358604	14581168	6.796	6.465

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:52 pm
Operator : PEST18:jmc
Sample : il6pest,42e,,pp10027
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:37:46 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:32:48 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24)	Mirex	5.009	5.733	22494506	24463432	7.527	7.140
25)	Endosulfan S	5.121	5.479	23941679	24314344	6.891	6.323
26)	Endrin Keton	5.297	5.760	27629579	30044245	6.883	6.290
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

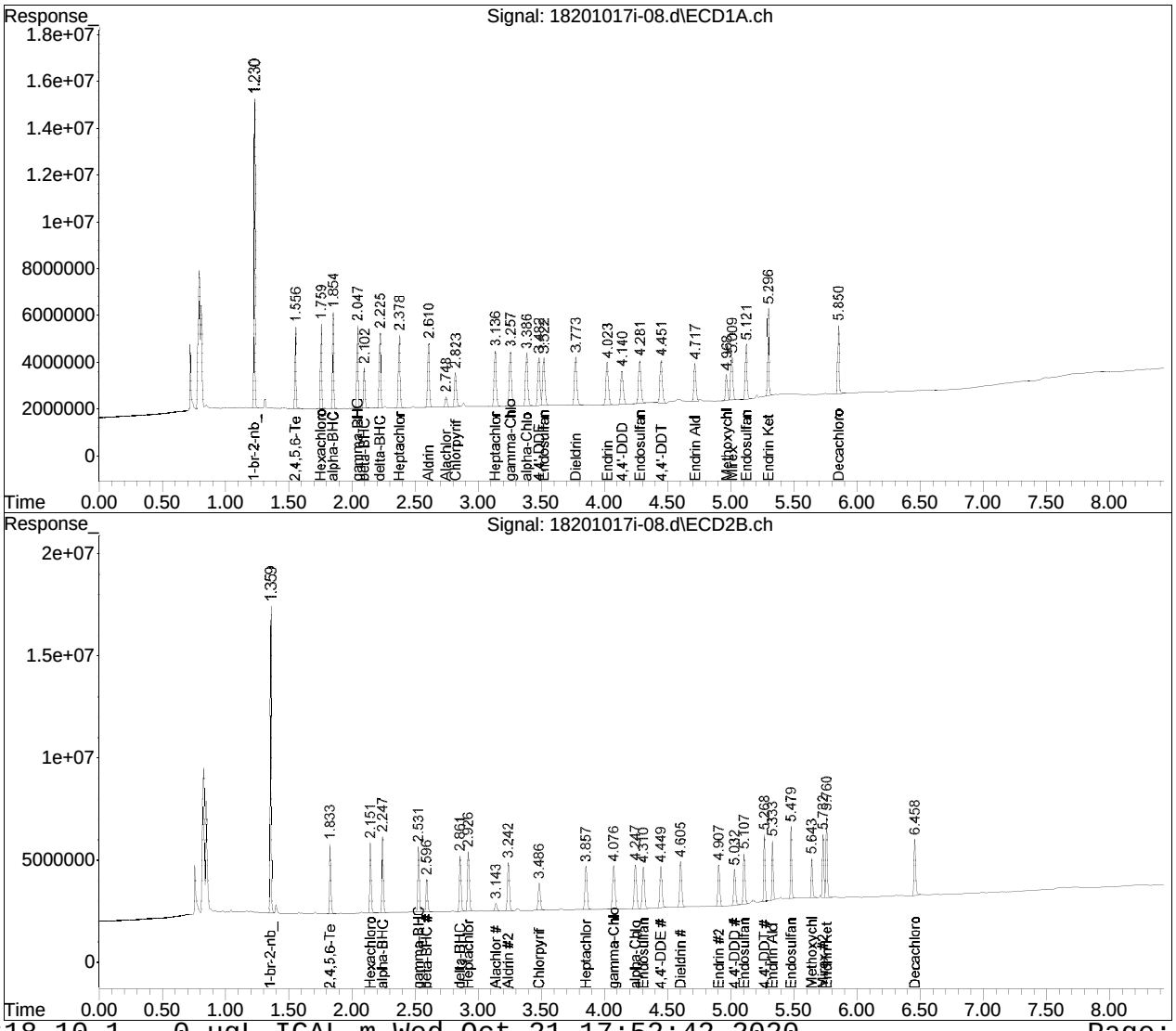
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 6:52 pm
Operator : PEST18:jmc
Sample : il6pest,42e,,pp10027
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:37:46 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:32:48 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

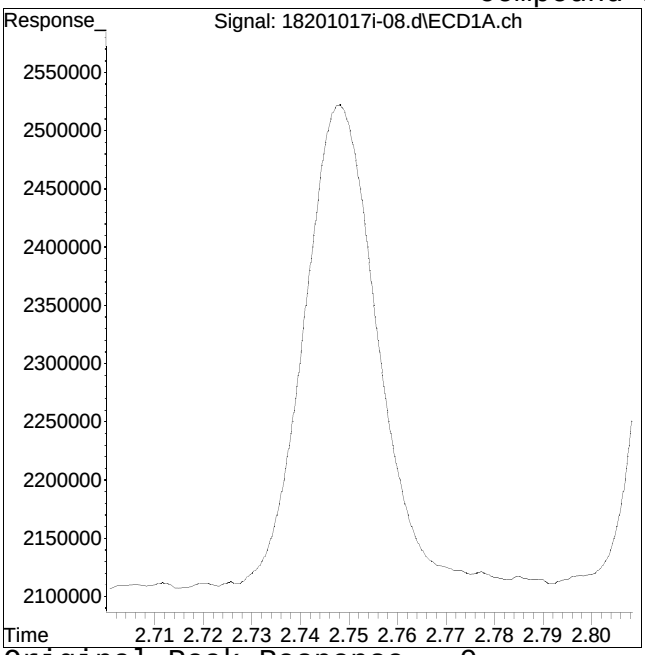


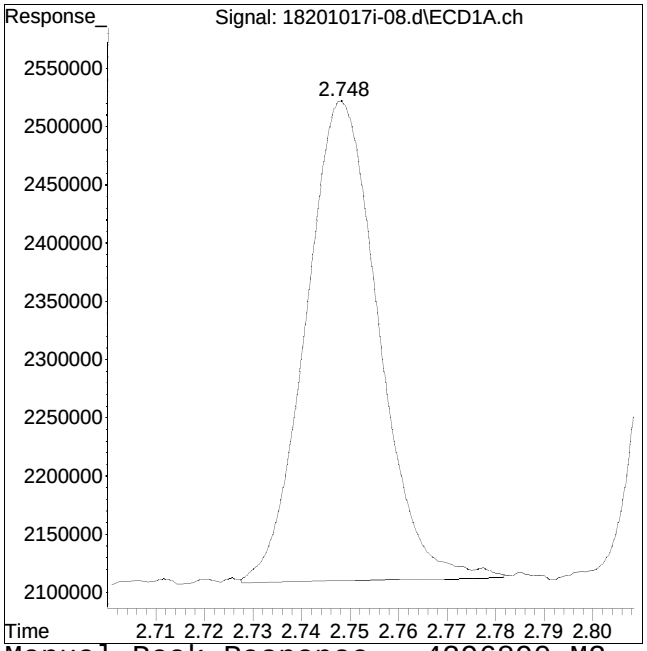
Manual Integration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-08.d
Date Inj'd : 10/19/2020 6:52 pm
Sample : il6pest,42e,,pp10027

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 8:32 am

Compound #10: Alachlor





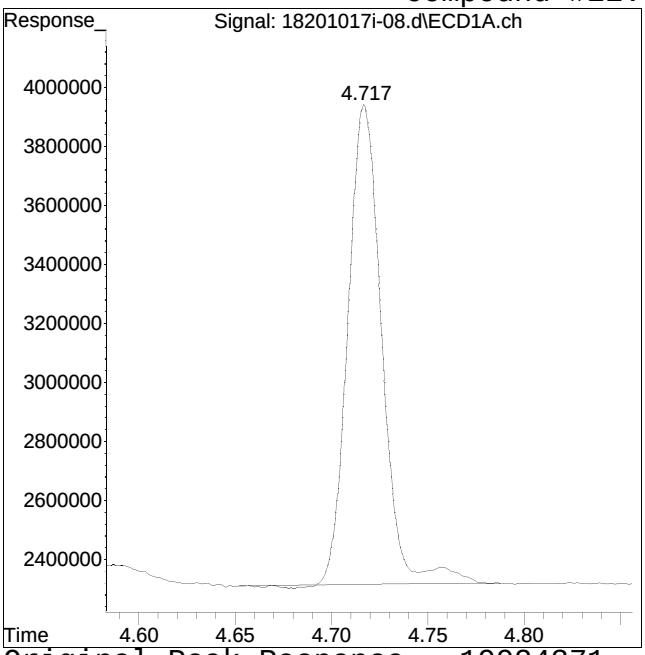
Original Peak Response = 0
Manual Peak Response = 4296890 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

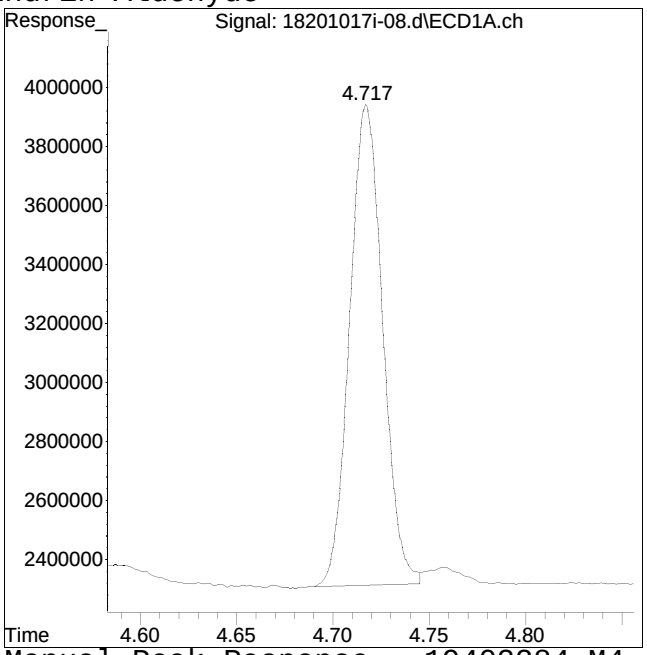
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-08.d
Date Inj'd : 10/19/2020 6:52 pm
Sample : il6pest,42e,,pp10027

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 8:32 am

Compound #22: Endrin Aldehyde



Original Peak Response = 19924371



Manual Peak Response = 19402284 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 7:02 pm
Operator : PEST18:jmc
Sample : il7pest,42e,,pp10026
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:38:13 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:31:55 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.230	1.359	87679054	101.2E6	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.557	1.833	40266257	42899685	11.071	10.022
	Spiked Amount 50.000	Range 30 - 150		Recovery =		22.14%#	20.04%#
27) s	Decachlorobi	5.851	6.458	41757578	45799370	11.600	10.844
	Spiked Amount 50.000	Range 30 - 150		Recovery =		23.20%#	21.69%#
	Target Compounds						
3)	Hexachlorobe	1.759	2.151	43995972	48761119	11.514	10.690
4)	alpha-BHC	1.854	2.248	52406969	54203200	10.360	9.101
5)	gamma-BHC (l	2.048	2.532	49512525	51204423	10.681	9.433
6)	beta-BHC	2.102	2.596	24613474	26173183	11.819	10.637
7)	delta-BHC	2.225	2.861	47405467	48600791	10.226	9.087
8)	Heptachlor	2.378	2.926	49847152	53090167	11.115	9.895
9)	Aldrin	2.610	3.243	48097099	47462620	10.909	9.523
10)	Alachlor	2.748	3.144	7495843	8023756	12.069	11.334
11)	Chlorpyrifos	2.824	3.486	27095351	28212160	12.196	11.329
12)	Heptachlor E	3.137	3.857	47260660	47745349	11.402	10.005
13)	gamma-Chlord	3.257	4.076	48190901	50183194	11.236	10.127
14)	alpha-Chlord	3.386	4.248	47883490	49327065	11.365	10.195
15)	4,4'-DDE	3.483	4.449	43986494	44481908	10.526	9.180
16)	Endosulfan I	3.522	4.311	45257313	45046561	11.304	10.081
17)	Dieldrin	3.773	4.606	46516958	45675672	10.920	9.508
18)	Endrin	4.023	4.907	42648882	39950436	10.874	9.185
19)	4,4'-DDD	4.140	5.032	34457355	33911114	10.383	9.046
20)	Endosulfan I	4.281	5.108	42356935	42789095	10.938	9.820
21)	4,4'-DDT	4.450	5.269	41267252	43272248	10.888	9.311
22)	Endrin Aldeh	4.716	5.333	34573193	36204559	10.501M4	9.663
23)	Methoxychlor	4.968	5.644	21829786	25830113	11.194	10.375

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 7:02 pm
Operator : PEST18:jmc
Sample : il7pest,42e,,pp10026
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:38:13 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:31:55 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24)	Mirex	5.009	5.733	37886321	41683030	12.074	11.263
25)	Endosulfan S	5.121	5.479	40969594	43218816	10.924	10.116
26)	Endrin Keton	5.297	5.761	47358047	53318234	10.933	10.023
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

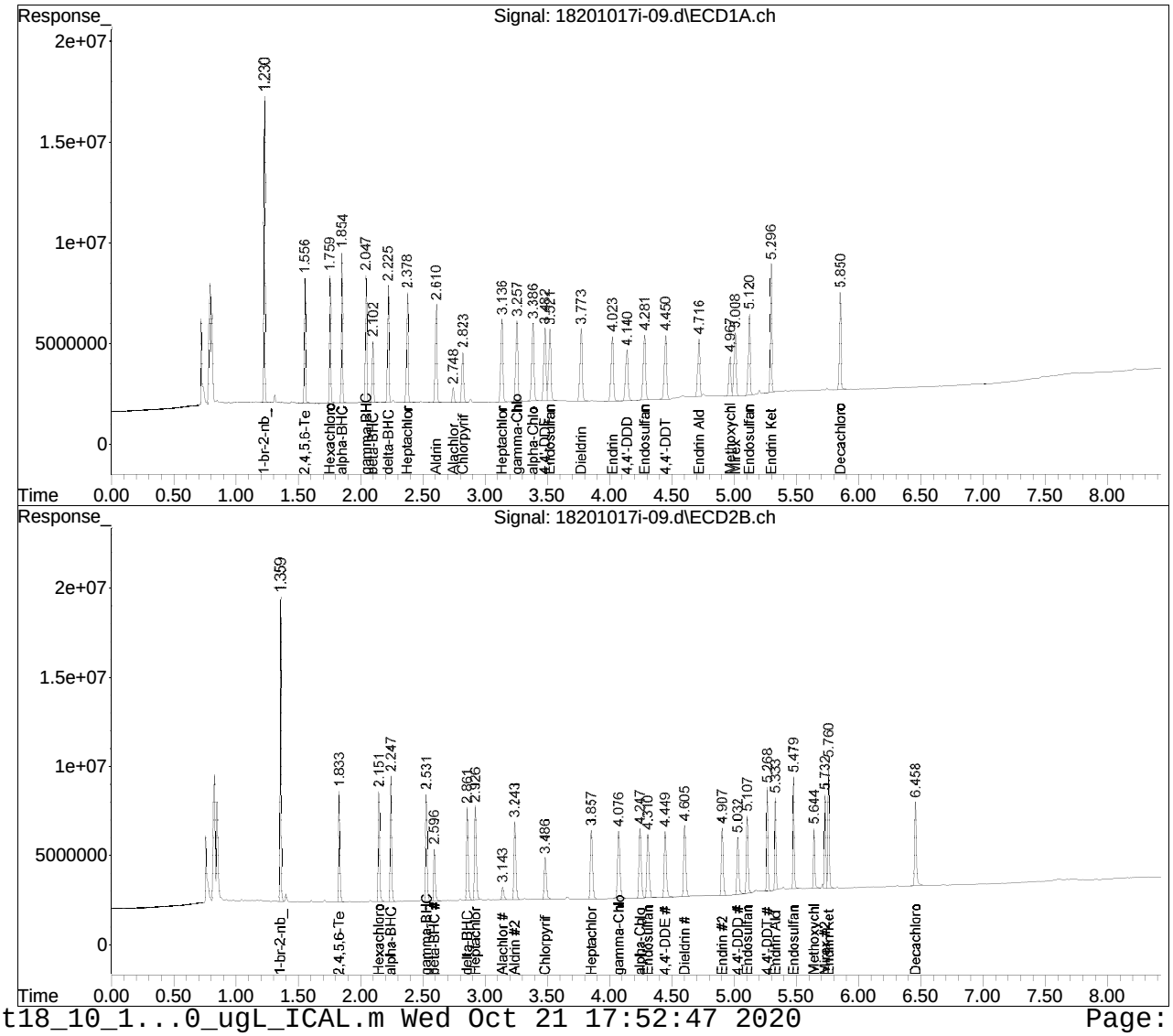
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 7:02 pm
Operator : PEST18:jmc
Sample : il7pest,42e,,pp10026
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:38:13 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:31:55 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

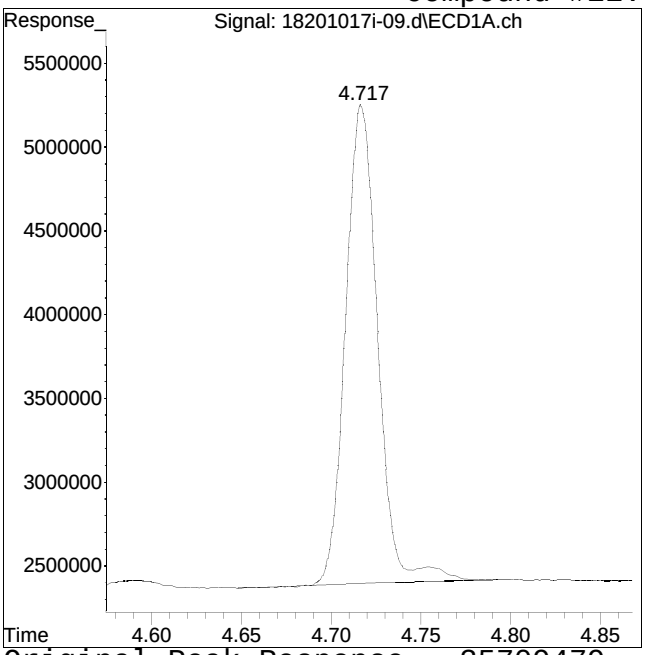


Manual Integration Report

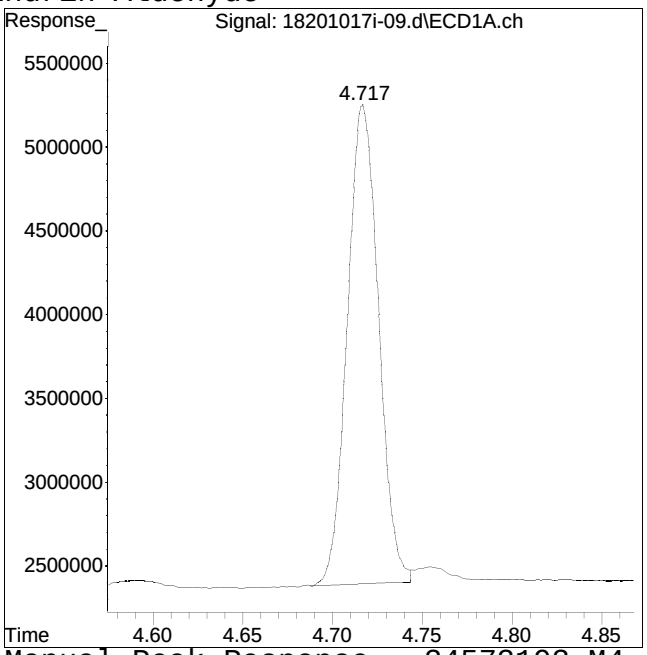
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-09.d
Date Inj'd : 10/19/2020 7:02 pm
Sample : il7pest,42e,,pp10026

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 8:32 am

Compound #22: Endrin Aldehyde



Original Peak Response = 35709479



Manual Peak Response = 34573193 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-10.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 7:12 pm
Operator : PEST18:jmc
Sample : ii8pest,42e,,pp10025
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:38:37 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:30:05 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
	Internal Standards							
1) i	1-br-2-nb_Pe	1.230	1.359	84414882	97773840	25.000	25.000	
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d	
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d	
	System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.557	1.833	183.9E6	212.0E6	51.413	51.166	
	Spiked Amount 50.000	Range 30 - 150		Recovery =		102.83%	102.33%	
27) s	Decachlorobi	5.851	6.457	189.1E6	217.0E6	51.521	50.741	
	Spiked Amount 50.000	Range 30 - 150		Recovery =		103.04%	101.48%	
	Target Compounds							
3)	Hexachlorobe	1.759	2.151	194.8E6	227.7E6	51.620	51.125	
4)	alpha-BHC	1.854	2.248	252.8E6	288.0E6	50.993	50.144	
5)	gamma-BHC (l	2.048	2.532	232.6E6	264.1E6	51.052	100.198	D
6)	beta-BHC	2.102	2.596	106.8E6	122.6E6	51.817	50.953	
7)	delta-BHC	2.225	2.862	231.9E6	258.5E6	50.901	49.972	
8)	Heptachlor	2.378	2.926	229.8E6	266.5E6	51.232	50.418	
9)	Aldrin	2.610	3.243	225.0E6	245.0E6	51.027	50.015	
10)	Alachlor	2.747	3.143	33354962	36961124	52.465	51.735	
11)	Chlorpyrifos	2.823	3.486	118.7E6	129.1E6	52.149	51.396	
12)	Heptachlor E	3.137	3.857	213.2E6	236.9E6	51.123	50.150	
13)	gamma-Chlord	3.257	4.076	220.5E6	247.3E6	51.010	50.247	
14)	alpha-Chlord	3.386	4.248	217.9E6	242.8E6	51.153	50.392	
15)	4,4'-DDE	3.482	4.450	213.1E6	238.6E6	50.561	49.653	
16)	Endosulfan I	3.521	4.311	207.5E6	223.7E6	51.265	50.351	
17)	Dieldrin	3.773	4.606	218.9E6	236.8E6	50.994	49.839	
18)	Endrin	4.023	4.907	202.1E6	212.2E6	50.676	48.952	
19)	4,4'-DDD	4.140	5.033	171.3E6	184.1E6	51.016	49.524	
20)	Endosulfan I	4.280	5.108	200.1E6	218.8E6	50.974	50.244	
21)	4,4'-DDT	4.450	5.269	194.6E6	232.1E6	50.654	49.860	
22)	Endrin Aldeh	4.716	5.333	163.8E6	187.1E6	49.494M4	50.227	
23)	Methoxychlor	4.967	5.644	102.8E6	128.3E6	51.472	50.840	

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-10.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 7:12 pm
Operator : PEST18:jmc
Sample : ii8pest,42e,,pp10025
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:38:37 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:30:05 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24)	Mirex	5.008	5.732	167.9E6	192.3E6	51.980	51.135
25)	Endosulfan S	5.121	5.479	195.1E6	215.0E6	51.234	50.098
26)	Endrin Keton	5.296	5.760	224.9E6	270.5E6	51.499	50.853
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

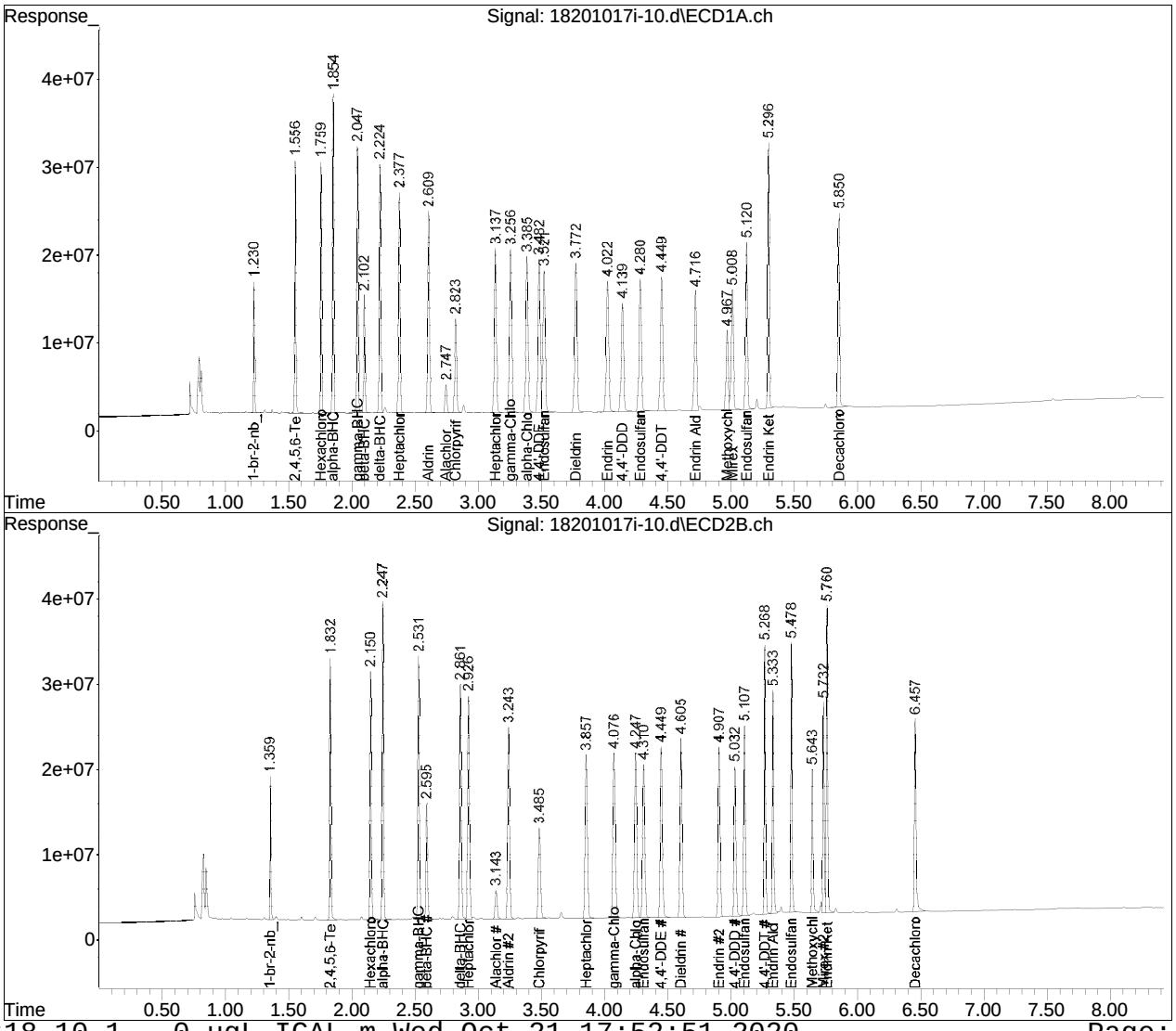
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-10.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 7:12 pm
Operator : PEST18:jmc
Sample : ii8pest,42e,,pp10025
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:38:37 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:30:05 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

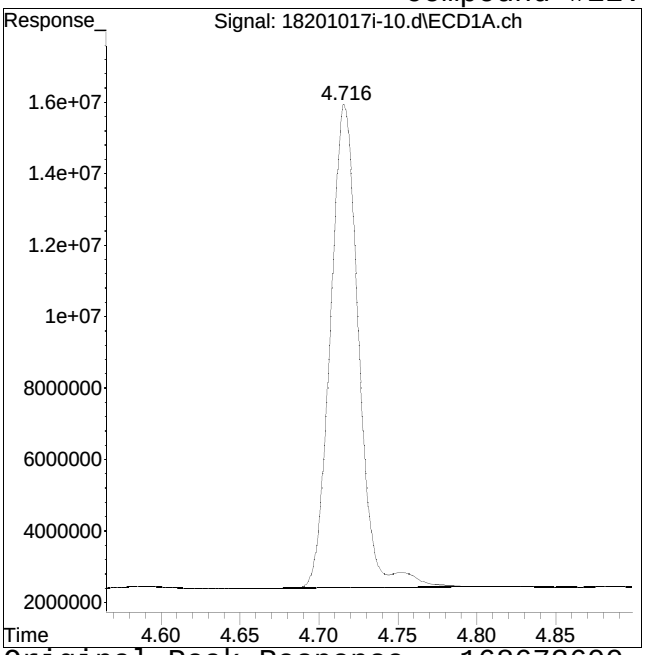


Manual Integration Report

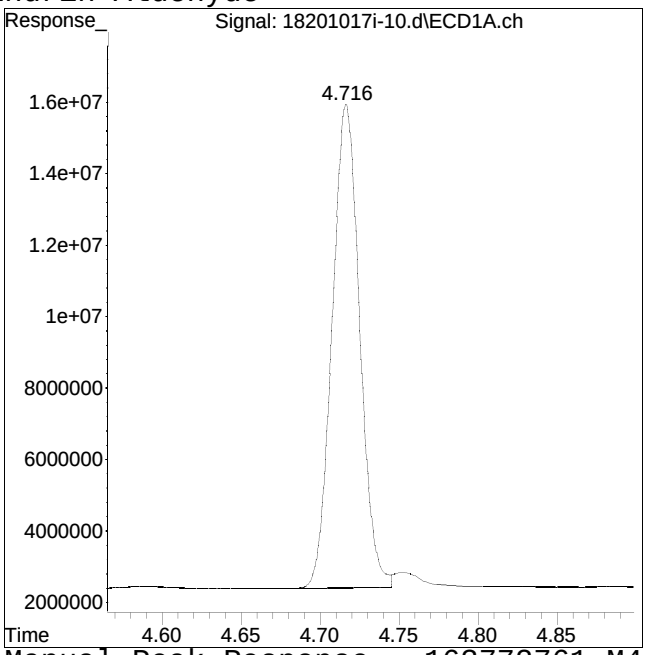
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-10.d
Date Inj'd : 10/19/2020 7:12 pm
Sample : ii8pest,42e,,pp10025

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 8:30 am

Compound #22: Endrin Aldehyde



Original Peak Response = 168673600



Manual Peak Response = 163772761 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-11.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 7:22 pm
Operator : PEST18:jmc
Sample : il9pest,42e,,pp10024
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:39:05 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:27:20 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
	Internal Standards							
1) i	1-br-2-nb_Pe	1.230	1.359	90381348	104.1E6	25.000	25.000	
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d	
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d	
	System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.557	1.833	372.1E6	431.1E6	94.503	95.444	
	Spiked Amount 50.000	Range 30 - 150		Recovery =		189.01%#	190.89%#	
27) s	Decachlorobi	5.851	6.457	380.9E6	448.6E6	94.095	97.081	
	Spiked Amount 50.000	Range 30 - 150		Recovery =		188.19%#	194.16%#	
	Target Compounds							
3)	Hexachlorobe	1.759	2.151	390.9E6	463.6E6	93.724	95.598	
4)	alpha-BHC	1.854	2.248	520.3E6	609.8E6	96.107	99.425	
5)	gamma-BHC (l	2.048	2.532	477.6E6	556.9E6	95.878	12363.630	D
6)	beta-BHC	2.102	2.596	212.6E6	251.4E6	92.988	96.258	
7)	delta-BHC	2.225	2.862	479.1E6	551.2E6	96.459	100.112	
8)	Heptachlor	2.378	2.927	468.3E6	558.3E6	95.191	98.343	
9)	Aldrin	2.610	3.243	462.5E6	521.6E6	95.974	99.939	
10)	Alachlor	2.747	3.143	64714424	73444782	90.605	93.294	
11)	Chlorpyrifos	2.824	3.486	233.1E6	260.0E6	91.759	94.569	
12)	Heptachlor E	3.137	3.857	436.4E6	501.5E6	95.606	99.402	
13)	gamma-Chlord	3.257	4.076	453.6E6	521.6E6	96.041	99.018	
14)	alpha-Chlord	3.386	4.248	445.5E6	509.1E6	95.491	98.442	
15)	4,4'-DDE	3.483	4.450	446.2E6	515.3E6	97.779	101.396	
16)	Endosulfan I	3.522	4.311	422.3E6	469.8E6	95.066	98.605	
17)	Dieldrin	3.773	4.606	450.5E6	507.7E6	96.103	100.647	
18)	Endrin	4.023	4.907	421.2E6	471.3E6	97.331	104.281	
19)	4,4'-DDD	4.140	5.032	352.3E6	399.7E6	96.017	101.923	
20)	Endosulfan I	4.281	5.107	412.0E6	461.5E6	96.177	99.030	
21)	4,4'-DDT	4.450	5.269	405.9E6	497.1E6	97.416	100.562	
22)	Endrin Aldeh	4.716	5.333	337.0E6	394.9E6	93.290M4	99.097	
23)	Methoxychlor	4.968	5.643	207.6E6	264.2E6	94.281	96.695	

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-11.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 7:22 pm
Operator : PEST18:jmc
Sample : il9pest,42e,,pp10024
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:39:05 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:27:20 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24)	Mirex	5.008	5.732	332.1E6	391.4E6	92.381	95.560
25)	Endosulfan S	5.121	5.479	397.6E6	456.1E6	95.184	99.608
26)	Endrin Keton	5.296	5.760	453.6E6	556.8E6	94.177	96.644
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

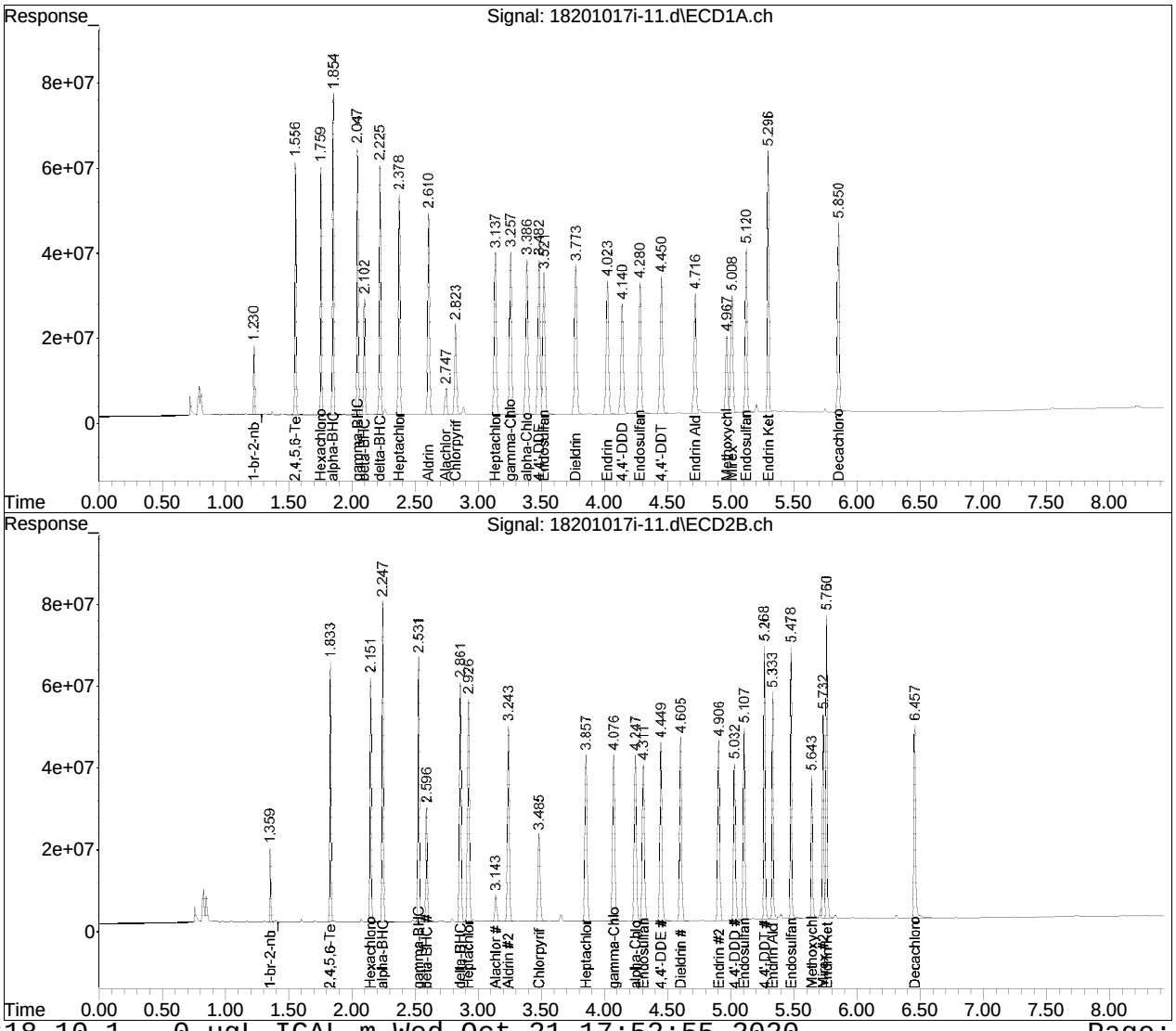
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-11.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 7:22 pm
Operator : PEST18:jmc
Sample : il9pest,42e,,pp10024
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:39:05 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:27:20 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

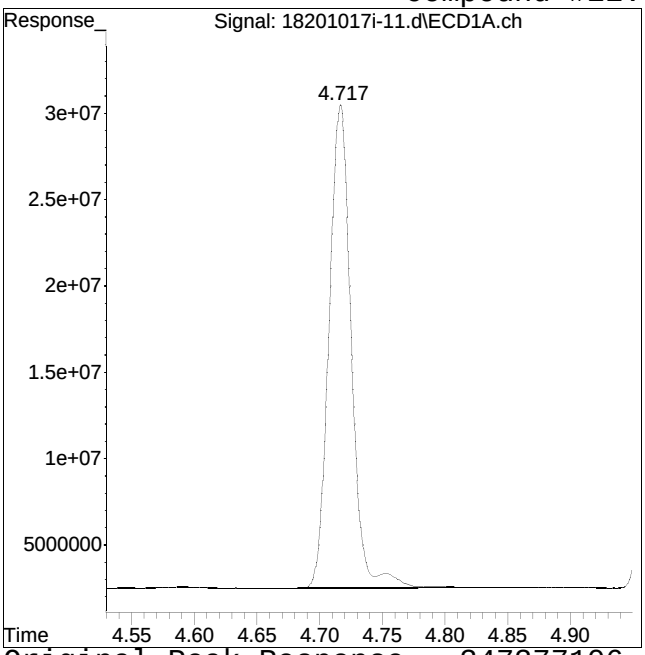


Manual Integration Report

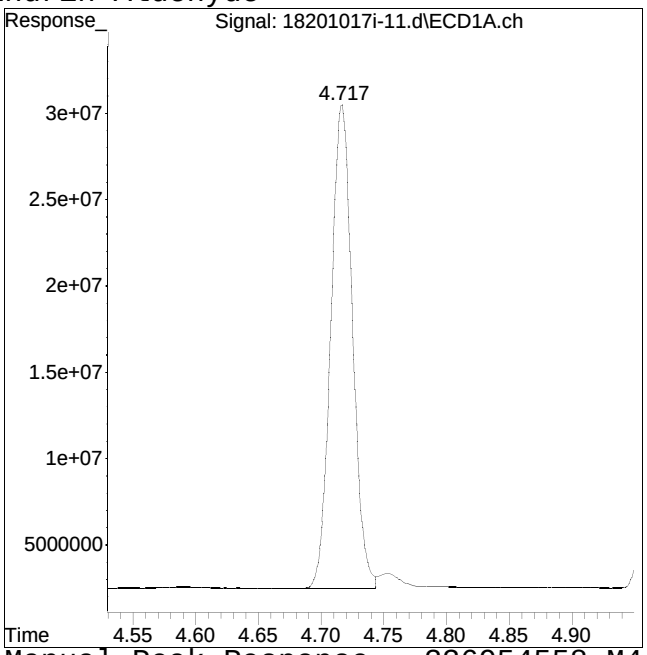
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-11.d
Date Inj'd : 10/19/2020 7:22 pm
Sample : il9pest,42e,,pp10024

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 8:27 am

Compound #22: Endrin Aldehyde



Original Peak Response = 347377106



Manual Peak Response = 336954558 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-12.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 7:32 pm
Operator : PEST18:jmc
Sample : il10pest,42e,,pp10023
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:39:30 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:30:55 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.231	1.360	83477352	93534503	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.557	1.833	663.0E6	788.6E6	187.469	198.914
	Spiked Amount	50.000	Range 30 - 150		Recovery =	374.94%#	397.83%#
27) s	Decachlorobi	5.850	6.457	605.0E6	706.5E6	166.716	172.710
	Spiked Amount	50.000	Range 30 - 150		Recovery =	333.43%#	345.42%#
	Target Compounds						
3)	Hexachlorobe	1.760	2.151	690.2E6	826.0E6	184.946	193.869
4)	alpha-BHC	1.855	2.248	928.6E6	1106.0E6	189.419	201.309
5)	gamma-BHC (l	2.048	2.532	845.7E6	999.9E6	187.671	198.872
6)	beta-BHC	2.102	2.596	374.6E6	444.0E6	183.829	192.833
7)	delta-BHC	2.226	2.862	845.6E6	987.5E6	187.656	199.554
8)	Heptachlor	2.378	2.927	788.0E6	953.3E6	177.670	188.503
9)	Aldrin	2.610	3.243	774.0E6	890.1E6	177.468	189.923
10)	Alachlor	2.747	3.142	103.3E6	119.3E6	164.309	174.557
11)	Chlorpyrifos	2.823	3.486	369.1E6	420.4E6	164.044	175.017
12)	Heptachlor E	3.137	3.857	718.4E6	839.7E6	174.231	185.834
13)	gamma-Chlord	3.257	4.076	739.8E6	865.5E6	173.020	183.798
14)	alpha-Chlord	3.386	4.248	722.1E6	840.1E6	171.444	182.258
15)	4,4'-DDE	3.482	4.449	719.8E6	848.8E6	172.685	184.637
16)	Endosulfan I	3.522	4.310	686.4E6	778.8E6	171.504	183.241
17)	Dieldrin	3.773	4.606	735.3E6	846.6E6	173.203	186.243
18)	Endrin	4.023	4.907	663.3E6	753.8E6	168.213	181.777
19)	4,4'-DDD	4.139	5.032	567.4E6	657.1E6	170.854	184.767
20)	Endosulfan I	4.280	5.107	659.8E6	750.8E6	170.001	180.230
21)	4,4'-DDT	4.450	5.269	645.4E6	796.8E6	169.884	178.919
22)	Endrin Aldeh	4.716	5.333	553.8E6	652.8E6	169.249M3	183.176
23)	Methoxychlor	4.967	5.643	323.7E6	415.6E6	163.850	172.160

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-12.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 7:32 pm
Operator : PEST18:jmc
Sample : il10pest,42e,,pp10023
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:39:30 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:30:55 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24)	Mirex	5.008	5.732	514.9E6	613.8E6	161.211	170.619
25)	Endosulfan S	5.120	5.479	636.4E6	727.8E6	169.031	177.271
26)	Endrin Keton	5.296	5.760	746.8E6	915.5E6	172.899	179.924
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

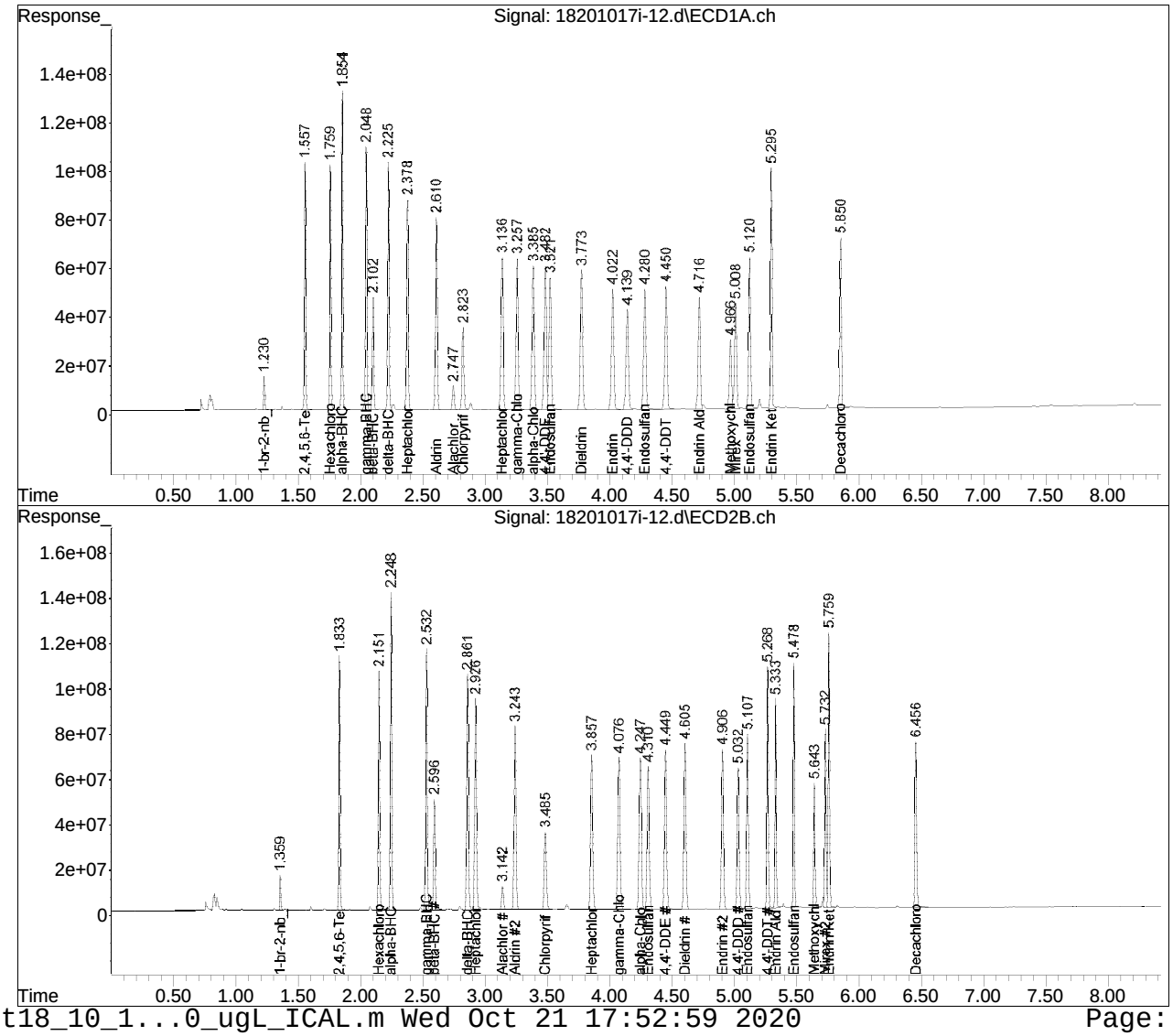
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-12.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 7:32 pm
Operator : PEST18:jmc
Sample : il10pest,42e,,pp10023
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 08:39:30 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 08:30:55 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

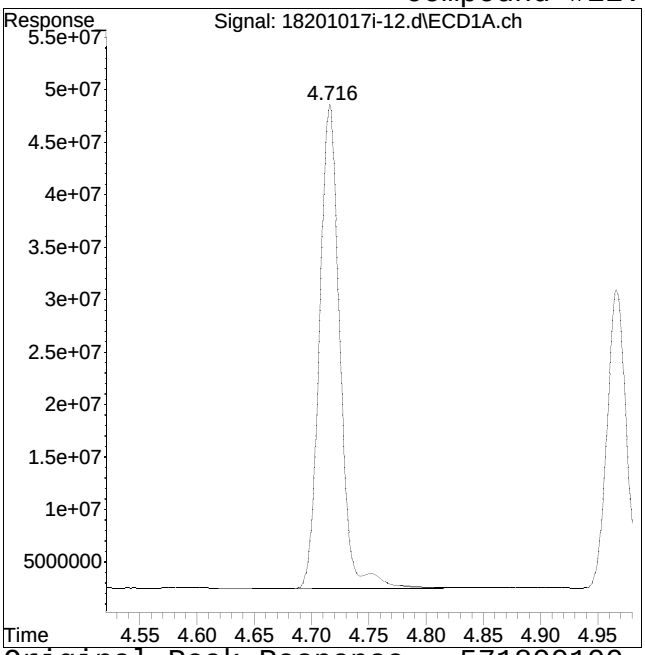


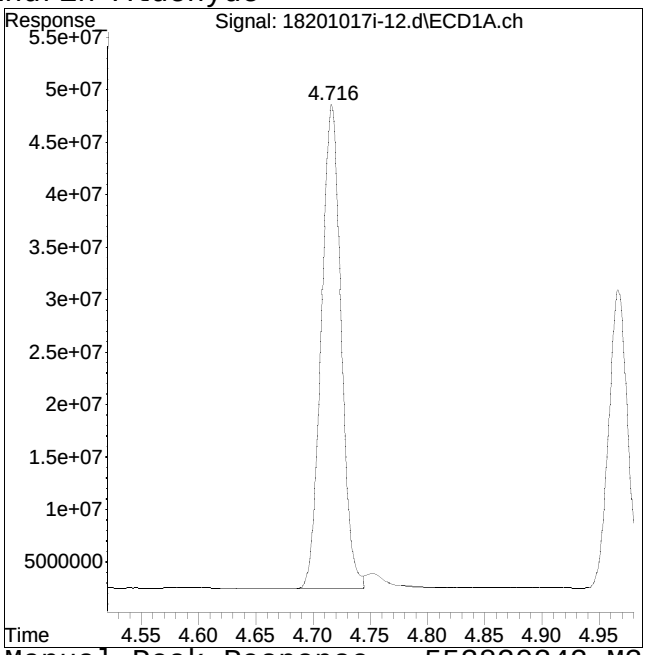
Manual Integration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-12.d
Date Inj'd : 10/19/2020 7:32 pm
Sample : il10pest,42e,,pp10023

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 8:31 am

Compound #22: Endrin Aldehyde





Original Peak Response = 571800100 Manual Peak Response = 553820242 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-15.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 8:03 pm
Operator : PEST18:jmc
Sample : il2chlor,42,, pp10163
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:25:18 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:23:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.230	1.359	79364360	91433525	25.000M4	25.000
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-15.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 8:03 pm
Operator : PEST18:jmc
Sample : il2chlor,42,, pp10163
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:25:18 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:23:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d	
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d	
29) l1	chlordane-1	2.318	2.792	3568832	3127146	23.035	18.827	
30) l1	chlordane-3	2.719	3.395	3683680	3081767	21.992	18.399	
31) l1	chlordane-4	3.257	4.187	11759829	8042894	21.728	16.933	
32) l1	chlordane-5	3.380	4.247	17627903	8565975	20.830	18.275	
Sum	chlordane-1			36640244	22817783	NoCal	NoCal	D
Average	chlordane-1					21.896	18.109	
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d	
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d	
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d	
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	toxaphene-1			0	0	N.D.	N.D.	
Average	toxaphene-1					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.	
Average	toxaphene-1					0.000	0.000	

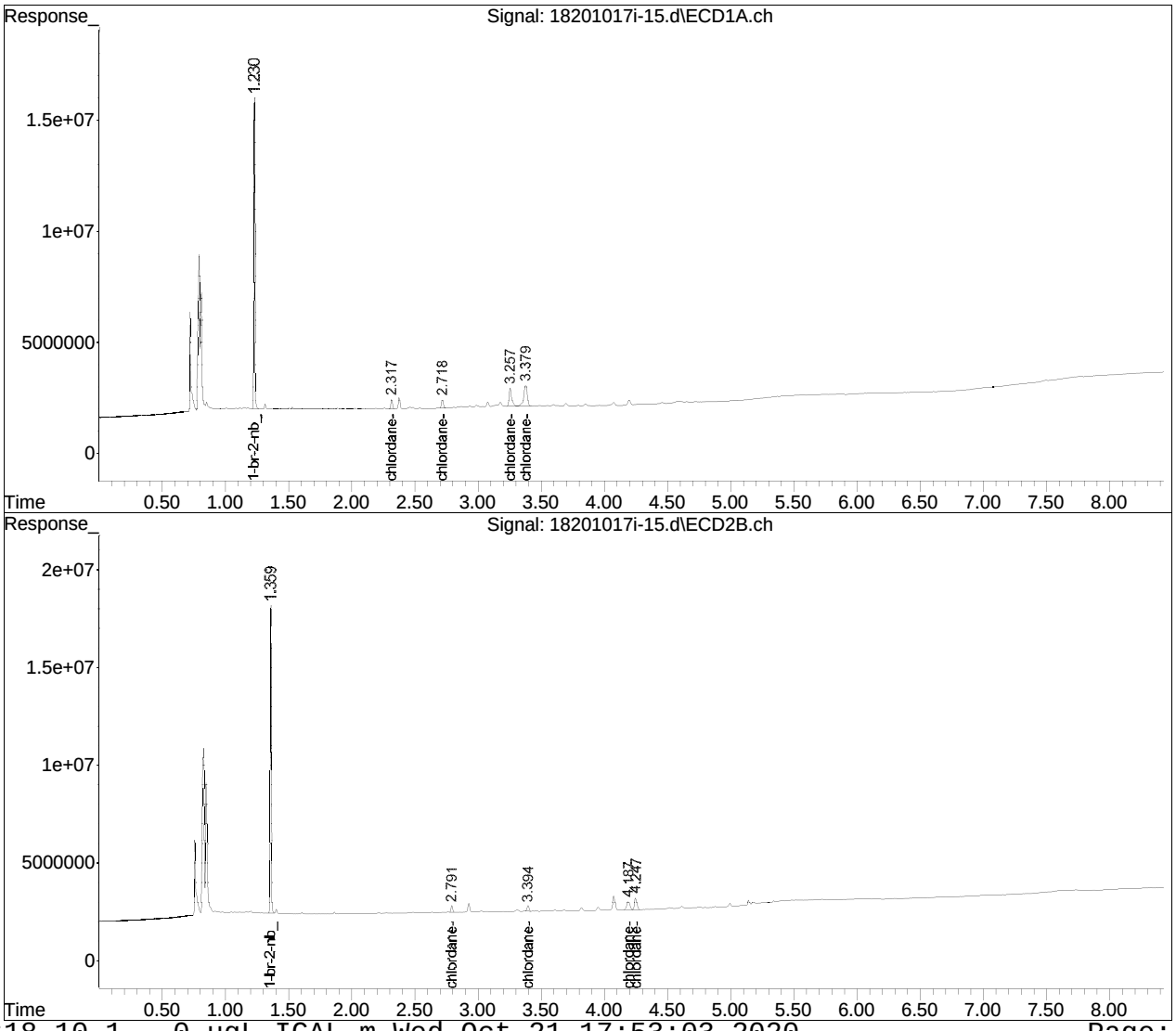
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-15.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 8:03 pm
Operator : PEST18:jmc
Sample : il2chlor,42,, pp10163
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:25:18 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:23:19 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

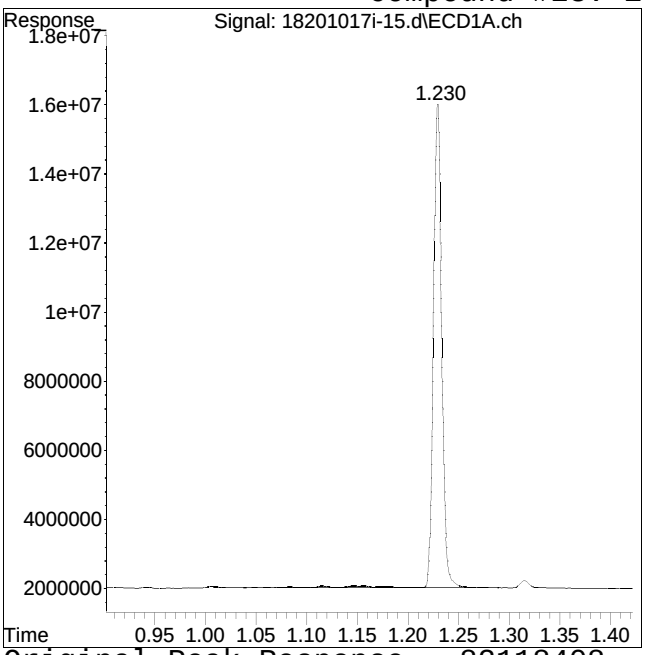


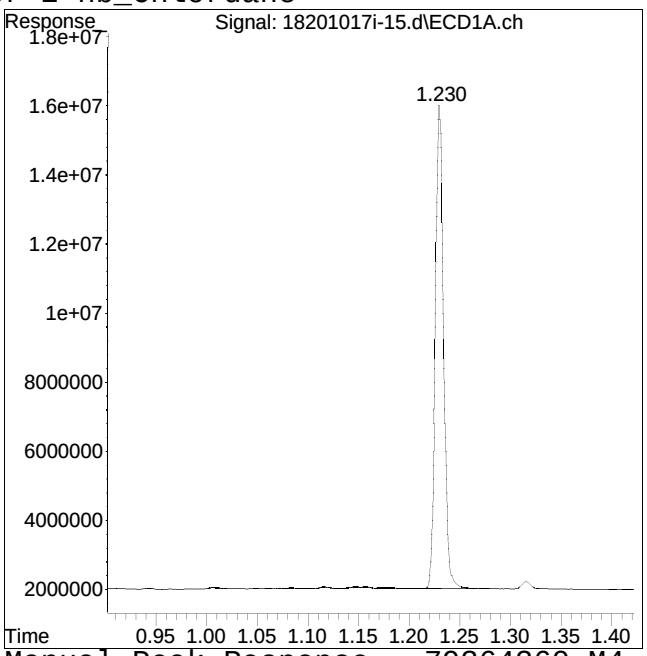
Manual Integration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-15.d
Date Inj'd : 10/19/2020 8:03 pm
Sample : il2chlor,42,, pp10163

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 9:24 am

Compound #28: 1-br-2-nb_Chlordane





Original Peak Response = 82118408 Manual Peak Response = 79364360 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-16.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 8:13 pm
Operator : PEST18:jmc
Sample : il7chlor,42e,,pp10110
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:23:10 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:22:30 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.230	1.359	87407698	102.3E6	25.000M4	25.000
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-16.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 8:13 pm
Operator : PEST18:jmc
Sample : il7chlor,42e,,pp10110
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:23:10 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:22:30 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.319	2.792	170.6E6	185.8E6	NoCal	NoCal
30) l1	chlordane-3	2.720	3.395	184.5E6	187.4E6	NoCal	NoCal
31) l1	chlordane-4	3.258	4.188	596.1E6	531.3E6	NoCal	NoCal
32) l1	chlordane-5	3.381	4.248	932.0E6	524.3E6	NoCal	NoCal
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

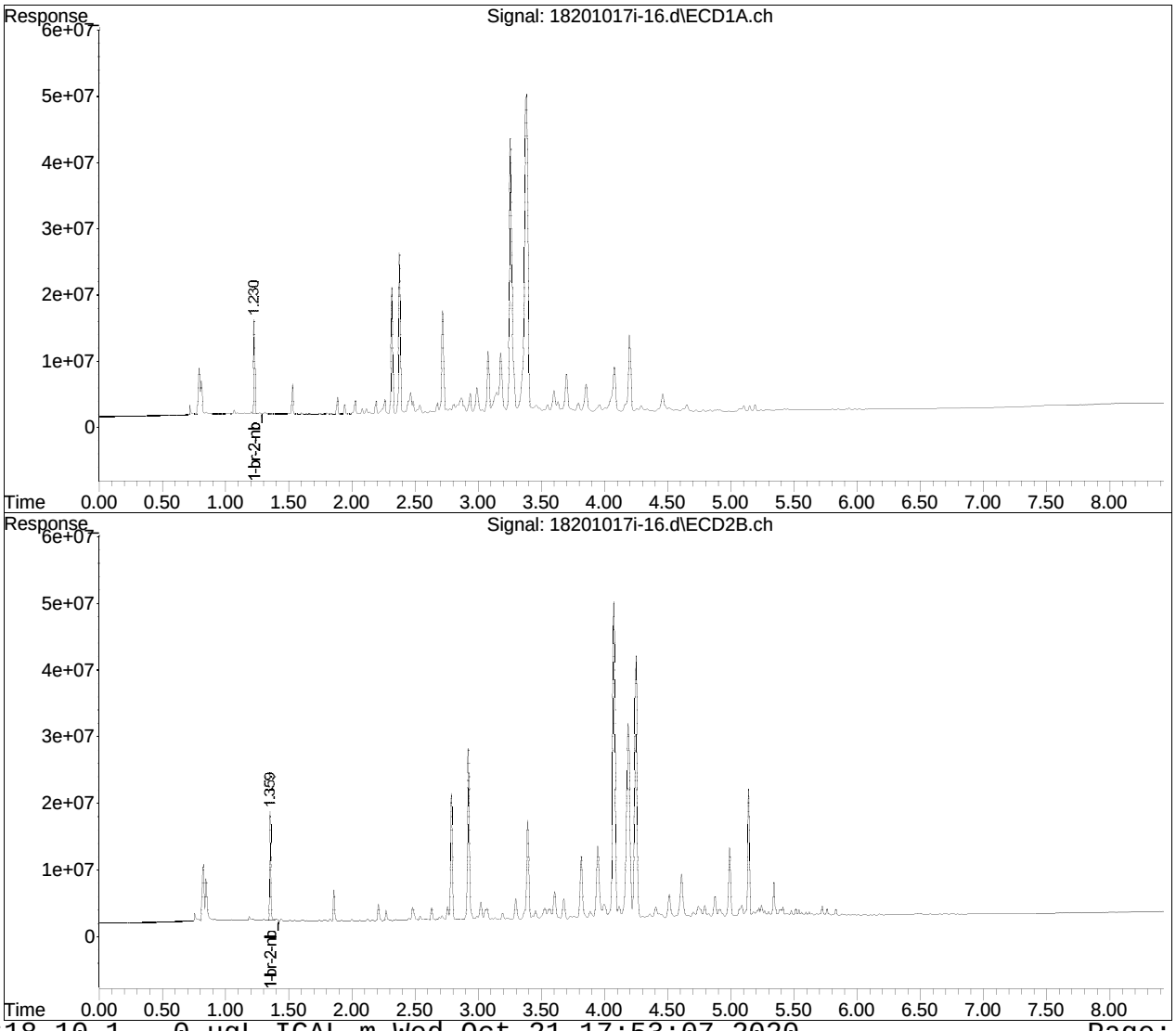
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-16.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 8:13 pm
Operator : PEST18:jmc
Sample : il7chlor,42e,,pp10110
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:23:10 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:22:30 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

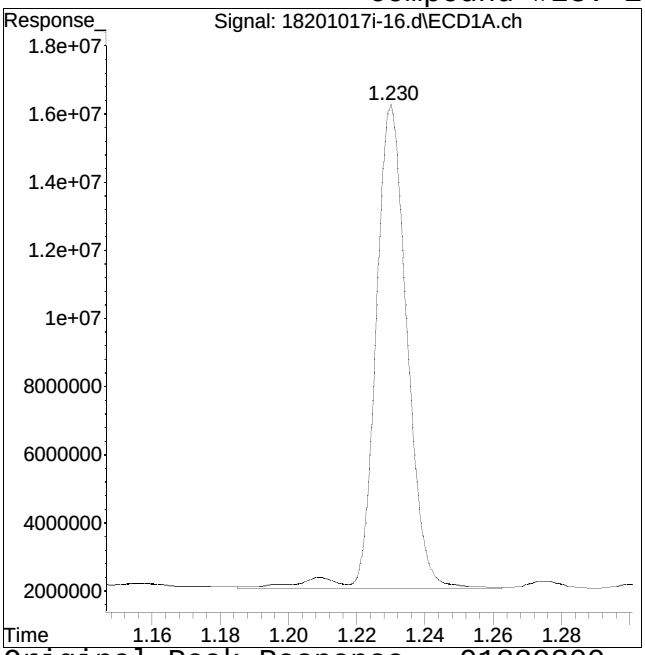


Manual Integration Report

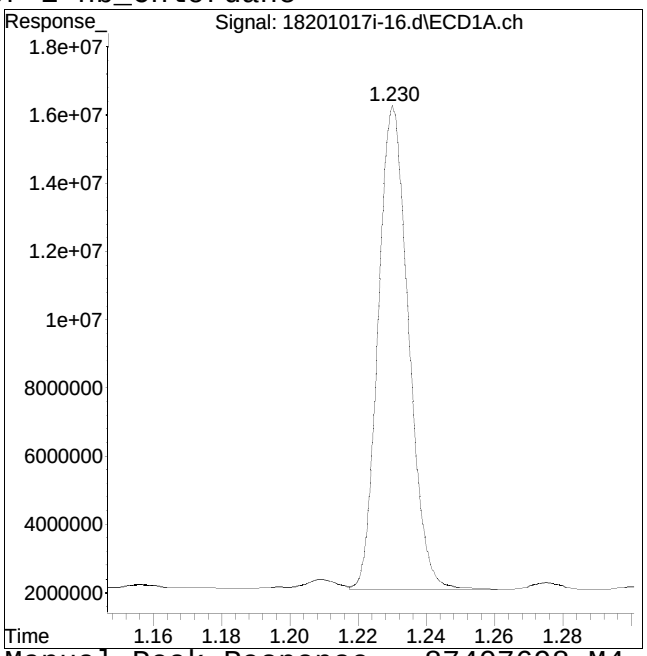
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-16.d
Date Inj'd : 10/19/2020 8:13 pm
Sample : il7chlor,42e,,pp10110

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 9:22 am

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 91339300



Manual Peak Response = 87407698 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-18.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 8:33 pm
Operator : PEST18:jmc
Sample : il2tox,42e,,100x
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:47:20 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:44:30 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.232	1.360	88948297	102.6E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-18.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 8:33 pm
Operator : PEST18:jmc
Sample : il2tox,42e,,100x
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:47:20 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:44:30 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
		Sum chlordane-1			0	0	N.D.	N.D.
		Average chlordane-1					0.000	0.000
34)	l2	toxaphene-1	4.265	5.094	3665624	2580103	16.608M2	17.930M2
35)	l2	toxaphene-2	4.397	5.173	3783866	5666966	23.843M2	20.504
36)	l2	toxaphene-3	4.635	5.337	2935140	3755896	17.478M2	20.851
37)	l2	toxaphene-4	5.023	5.602	2964872	2641131	20.295M2	15.808
		Sum toxaphene-1			13349502	14644096	78.223	75.094
		Average toxaphene-1					19.556	18.773

SemiQuant Compounds - Not Calibrated on this Instrument

		Sum toxaphene-1			13349502	14644096	78.223	75.094
		Average toxaphene-1					19.556	18.773

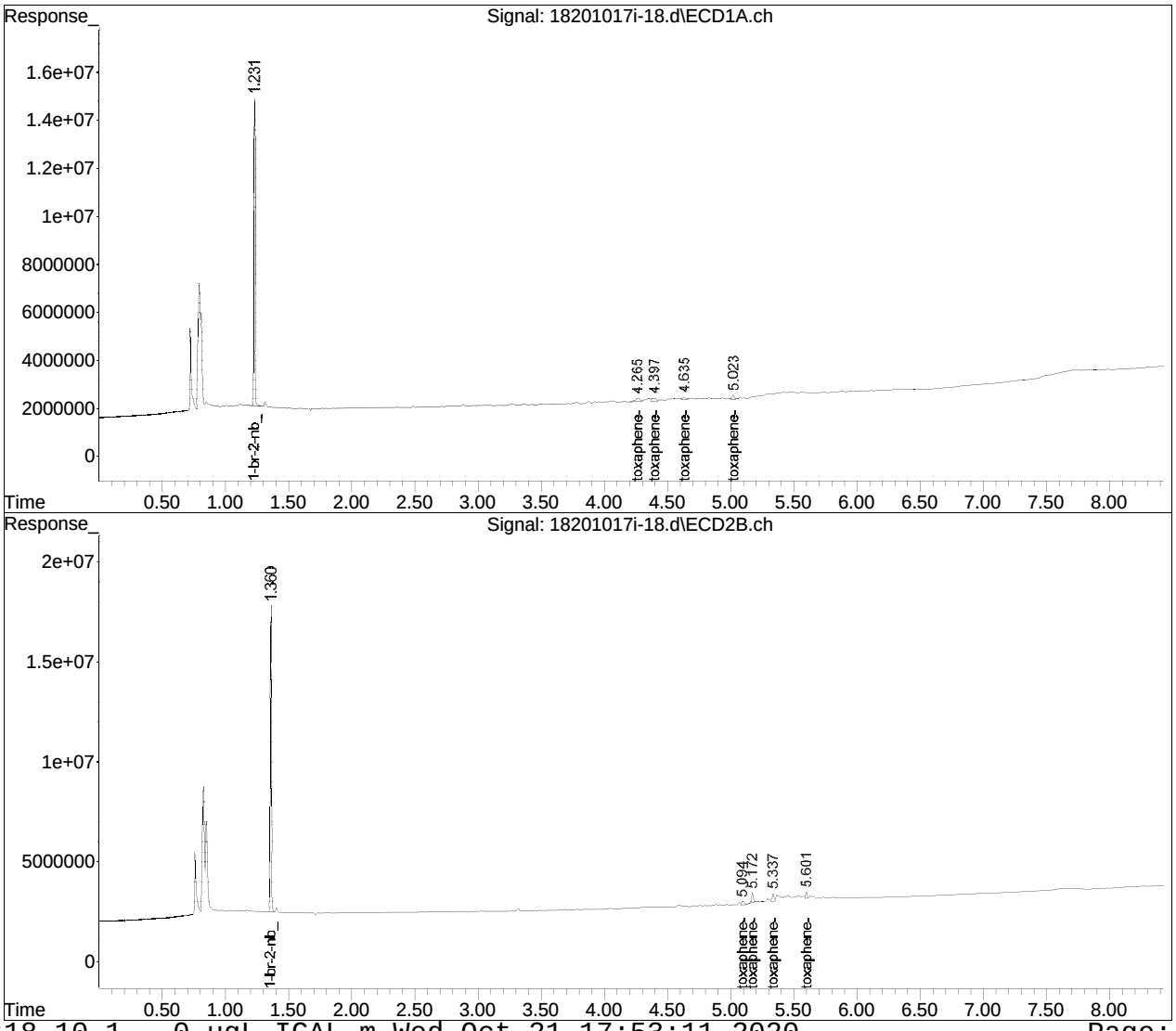
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-18.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 8:33 pm
Operator : PEST18:jmc
Sample : il2tox,42e,,100x
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:47:20 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:44:30 2020
Response via : Initial Calibration
Integrator: ChemStation

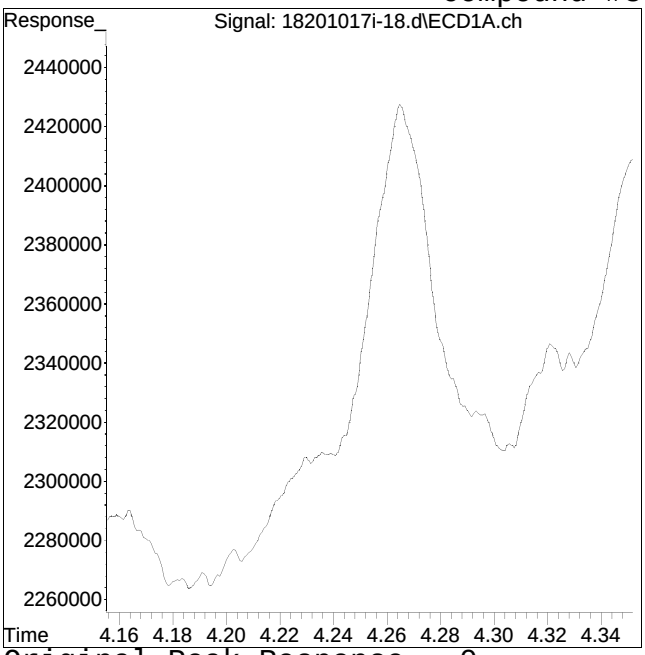
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



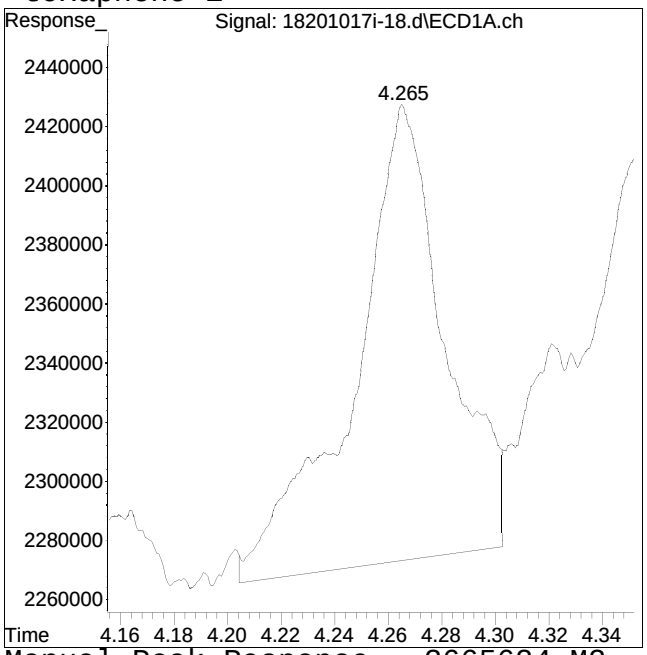
Manual Integration Report

Data Path	: I:\Pest18\201019ICAL\	QMethod	: pest18_10_17_20_ugL_ICAL
Data File	: 18201017i-18.d	Operator	: PEST18:jmc
Date Inj'd	: 10/19/2020 8:33 pm	Instrument	: Pest 18
Sample	: il2tox,42e,,100x	Quant Date	: 10/20/2020 9:44 am

Compound #34: toxaphene-1



Original Peak Response = 0



Manual Peak Response = 3665624 M2

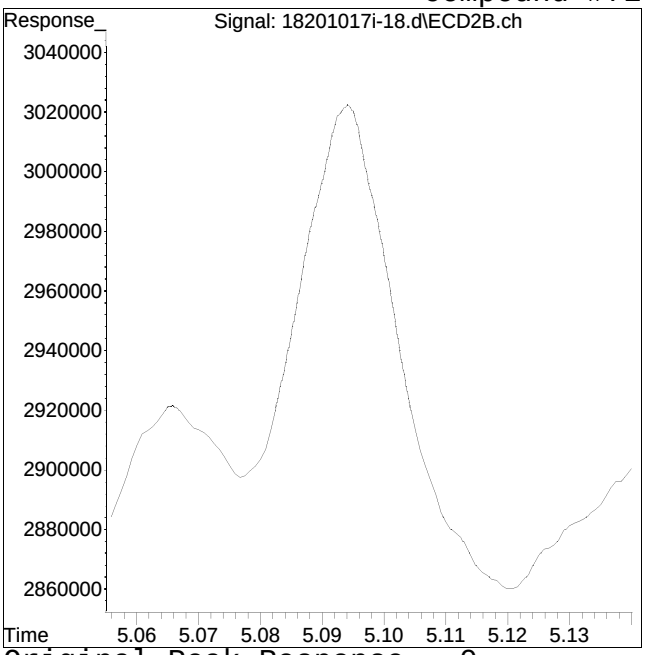
M2 = Peak not found by automatic integration algorithm.

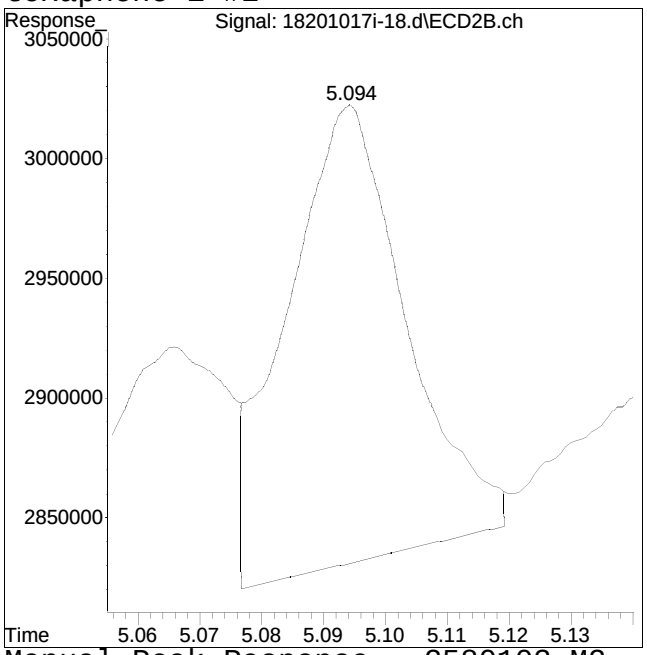
Manual Integration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-18.d
Date Inj'd : 10/19/2020 8:33 pm
Sample : il2tox,42e,,100x

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 9:44 am

Compound #72: toxaphene-1 #2





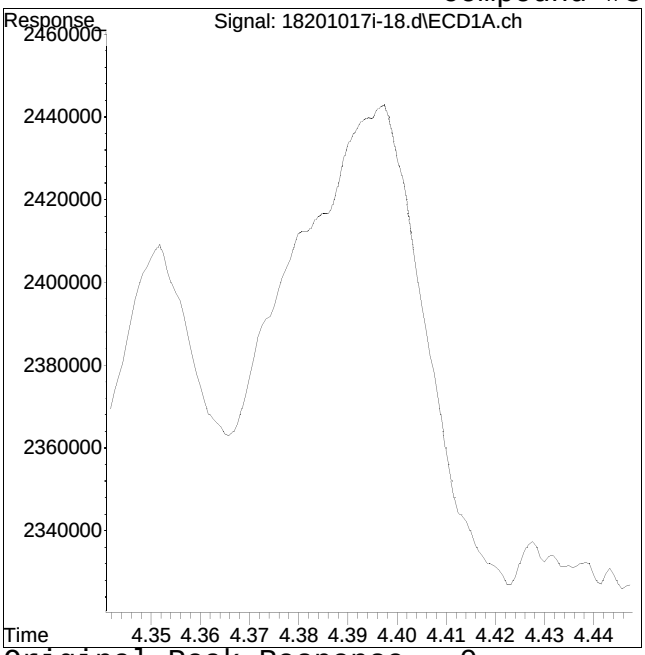
Original Peak Response = 0
Manual Peak Response = 2580103 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

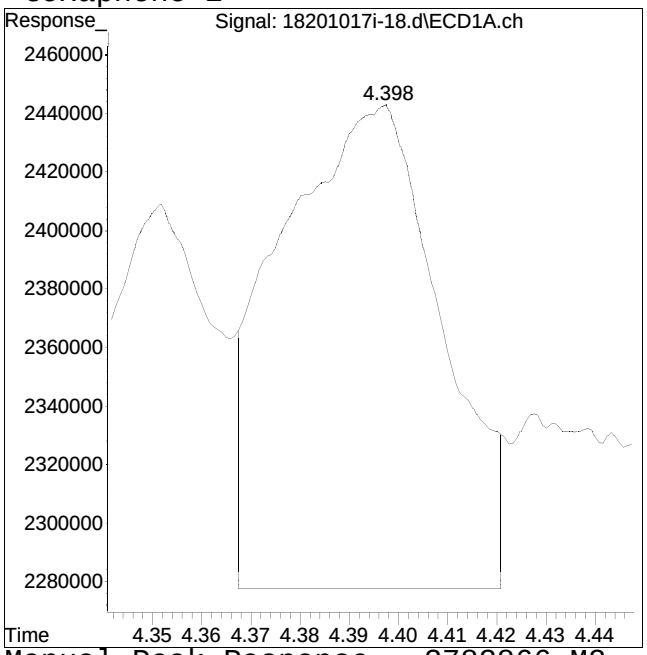
Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-18.d
Date Inj'd : 10/19/2020 8:33 pm
Sample : il2tox,42e,,100x

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 9:44 am

Compound #35: toxaphene-2



Original Peak Response = 0



Manual Peak Response = 3783866 M2

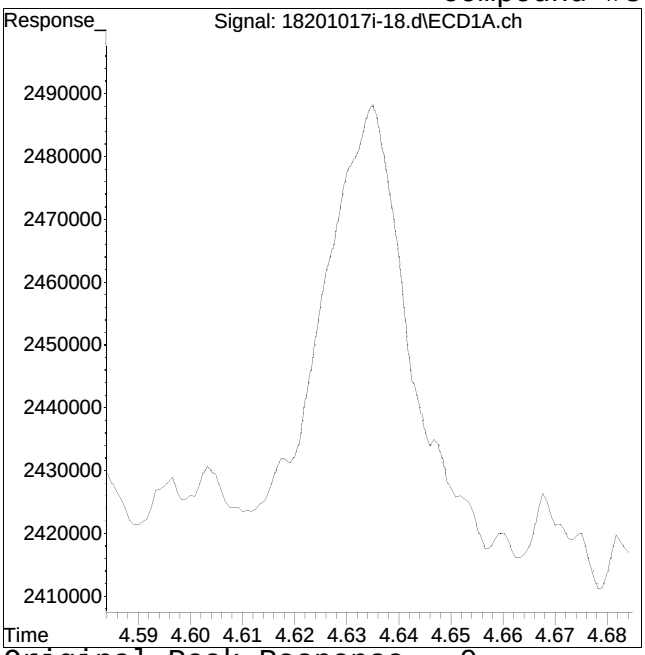
M2 = Peak not found by automatic integration algorithm.

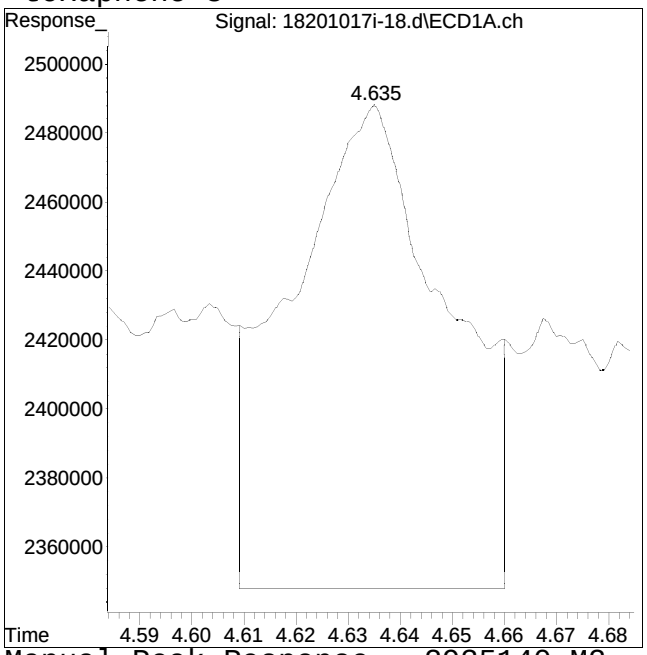
Manual Integration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-18.d
Date Inj'd : 10/19/2020 8:33 pm
Sample : il2tox,42e,,100x

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 9:44 am

Compound #36: toxaphene-3





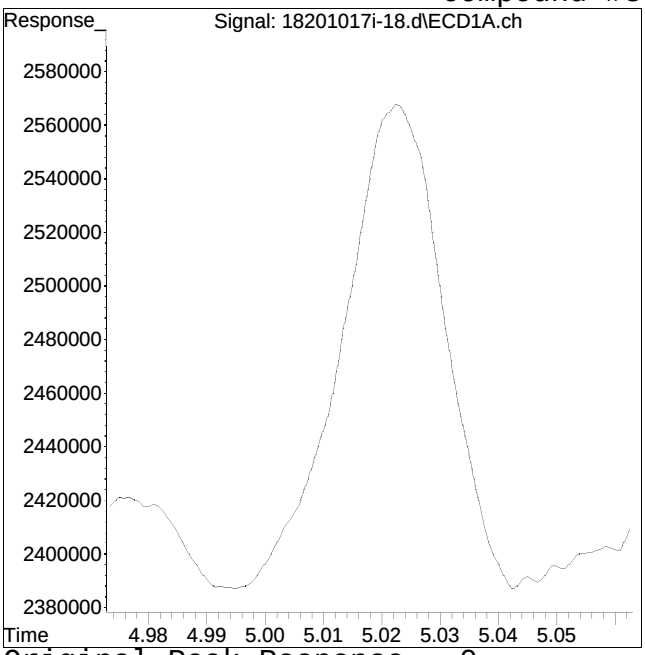
Original Peak Response = 0
Manual Peak Response = 2935140 M2
M2 = Peak not found by automatic integration algorithm.

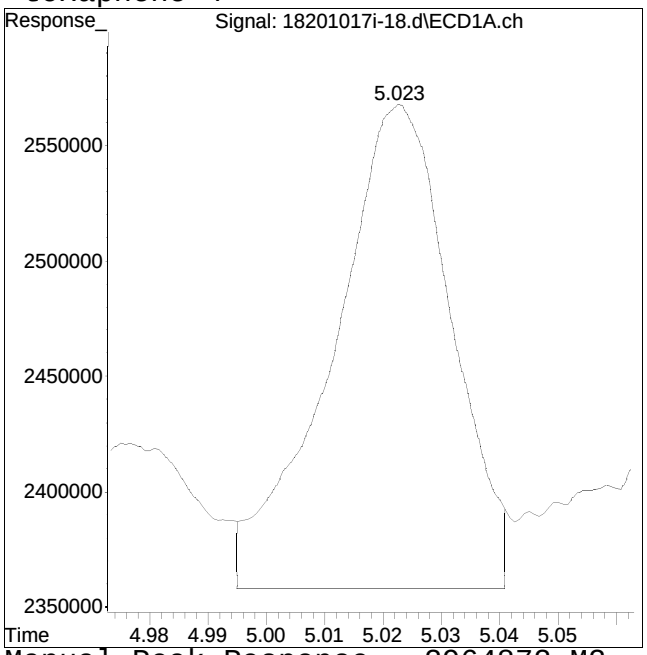
Manual Integration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-18.d
Date Inj'd : 10/19/2020 8:33 pm
Sample : il2tox,42e,,100x

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:jmc
Instrument : Pest 18
Quant Date : 10/20/2020 9:44 am

Compound #37: toxaphene-4





Original Peak Response = 0
Manual Peak Response = 2964872 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-19.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 8:43 pm
Operator : PEST18:jmc
Sample : il7tox,42e,,pp10038
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:42:43 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:27:47 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.231	1.360	94324326	107.8E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-19.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 8:43 pm
Operator : PEST18:jmc
Sample : il7tox,42e,,pp10038
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:42:43 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:27:47 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum	chlordane-1			0	0	N.D.	N.D.
Average		chlordane-1					0.000	0.000
34)	l2	toxaphene-1	4.266	5.094	498.1E6	302.4E6	NoCal	NoCal
35)	l2	toxaphene-2	4.395	5.172	382.7E6	585.2E6	NoCal	NoCal
36)	l2	toxaphene-3	4.634	5.337	376.0E6	384.0E6	NoCal	NoCal
37)	l2	toxaphene-4	5.023	5.602	327.5E6	356.6E6	NoCal	NoCal
	Sum	toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum	toxaphene-1			0	0	N.D.	N.D.
Average		toxaphene-1					0.000	0.000

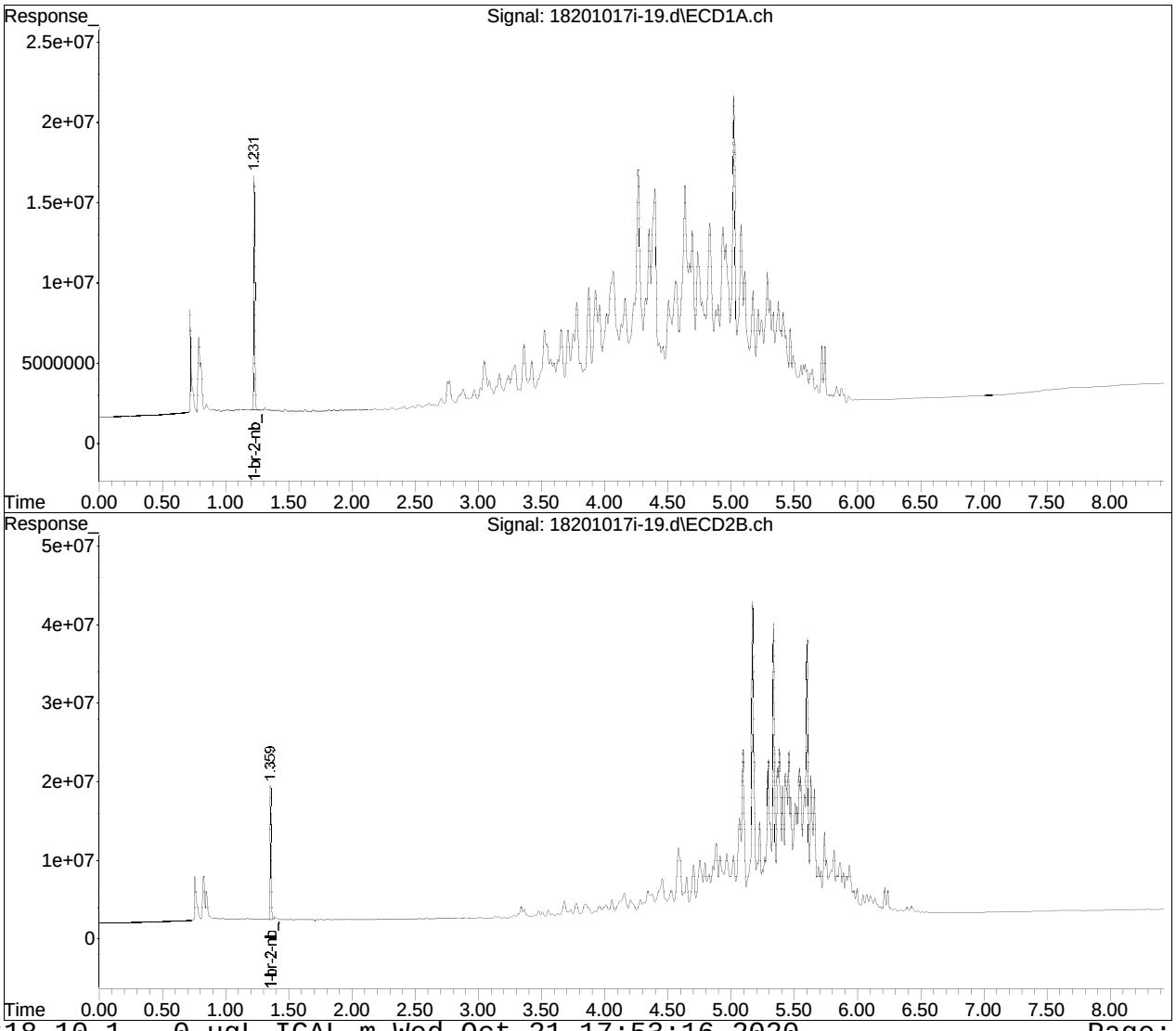
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-19.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 8:43 pm
Operator : PEST18:jmc
Sample : il7tox,42e,,pp10038
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:42:43 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:27:47 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest18\201019ICAL\	QMethod	: pest18_10_17_20_ugL_ICAL
Data File	: 18201017i-19.d	Operator	: PEST18:jmc
Date Inj'd	: 10/19/2020 8:43 pm	Instrument	: Pest 18
Sample	: il7tox,42e,,pp10038	Quant Date	: 10/20/2020 9:27 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-20.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 8:53 pm
Operator : PEST18:jmc
Sample : il8tox,42e,,pp10039
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:44:21 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:43:40 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.232	1.361	97439000	107.3E6	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-20.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 8:53 pm
Operator : PEST18:jmc
Sample : il8tox,42e,,pp10039
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:44:21 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:43:40 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.265	5.094	1131.6E6	752.5E6	4398.557	5001.941
35) l2	toxaphene-2	4.395	5.172	750.1E6	1434.3E6	3794.883	4926.025
36) l2	toxaphene-3	4.634	5.337	868.7E6	928.5E6	4473.100	4860.448
37) l2	toxaphene-4	5.022	5.601	754.7E6	860.2E6	4462.117	4848.385
Sum	toxaphene-1			3505.1E6	3975.5E6	17128.658	19636.799
Average	toxaphene-1					4282.165	4909.200

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			3505.1E6	3975.5E6	17128.658	19636.799
Average	toxaphene-1					4282.165	4909.200

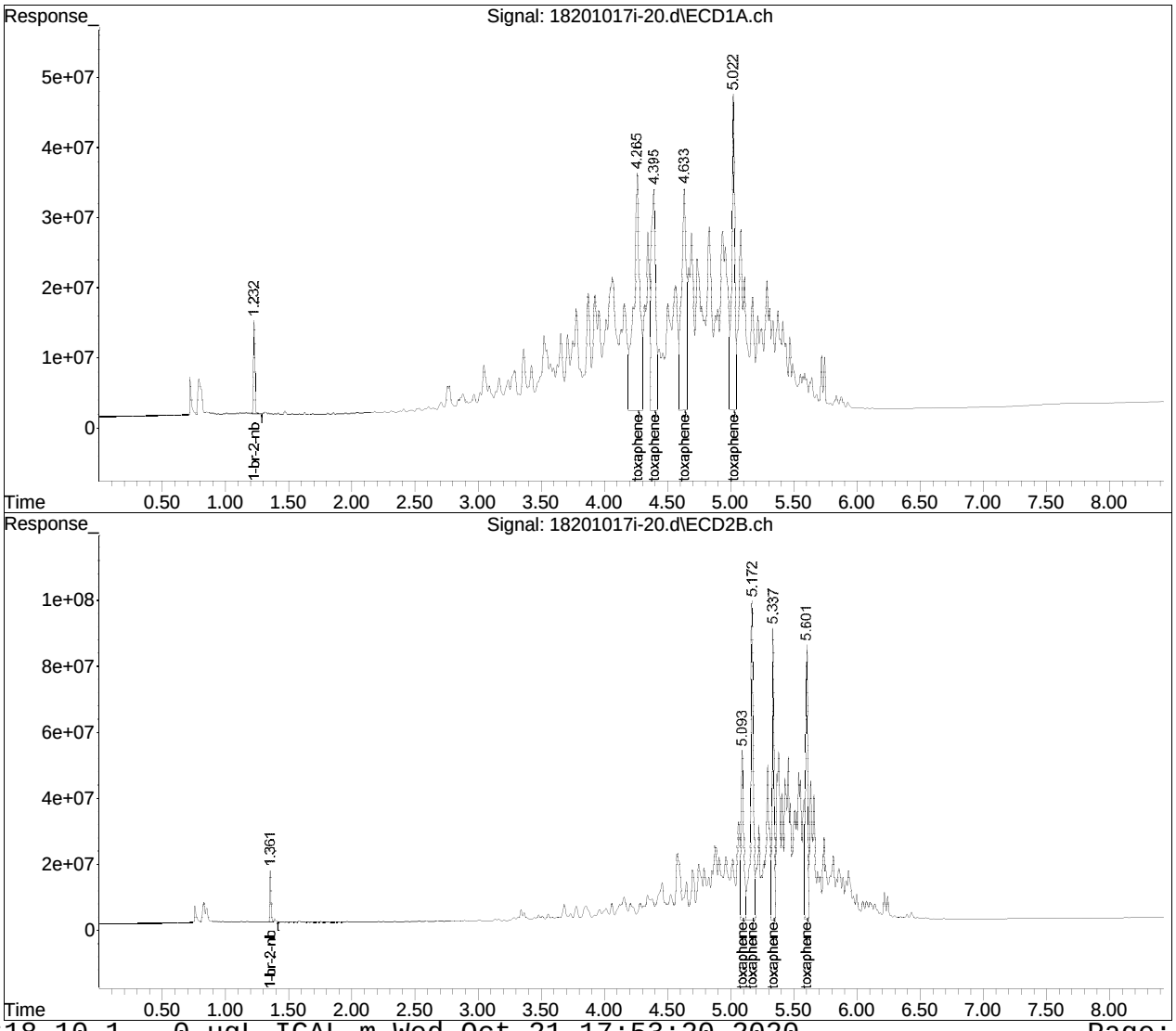
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-20.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 8:53 pm
Operator : PEST18:jmc
Sample : il8tox,42e,,pp10039
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:44:21 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:43:40 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest18\201019ICAL\	QMethod	: pest18_10_17_20_ugL_ICAL
Data File	: 18201017i-20.d	Operator	: PEST18:jmc
Date Inj'd	: 10/19/2020 8:53 pm	Instrument	: Pest 18
Sample	: il8tox,42e,,pp10039	Quant Date	: 10/20/2020 9:43 am

There are no manual integrations or false positives in this file.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 19 Oct 2020   9:03 pm
Operator : PEST18:jmc
Sample   : cicvtox,42e,,pp10098
Misc   : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 21   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:48:22 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:47:28 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	97	0.00
34	l2	toxaphene-1	2000.000	2059.149	-3.0	88	0.00
35	l2	toxaphene-2	2000.000	1686.956	15.7	76	0.00
36	l2	toxaphene-3	2000.000	2061.972	-3.1	90	0.00
37	l2	toxaphene-4	2000.000	1932.576	3.4	89	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	92	0.00
34	l2	toxaphene-1	2000.000	2066.961	-3.3	92	0.00
35	l2	toxaphene-2	2000.000	1987.272	0.6	92	0.00
36	l2	toxaphene-3	2000.000	1966.037	1.7	91	0.00
37	l2	toxaphene-4	2000.000	2156.124	-7.8	91	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	0	-1.23#
2	s	2,4,5,6-Tetrachloro-m-xylen	10.000	0.000	100.0#	0	-1.56#
3		Hexachlorobenzene	10.000	0.000	100.0#	0	-1.76#
4		alpha-BHC	10.000	0.000	100.0#	0	-1.85#
5		gamma-BHC (lindane)	10.000	0.000	100.0#	0	-2.05#
6		beta-BHC	10.000	0.000	100.0#	0	-2.10#
7		delta-BHC	10.000	0.000	100.0#	0	-2.23#
8		Heptachlor	10.000	0.000	100.0#	0	-2.38#
9		Aldrin	10.000	0.000	100.0#	0	-2.61#
10		Alachlor	10.000	0.000	100.0#	0	-2.75#
11		Chlorpyrifos	10.000	0.000	100.0#	0	-2.82#
12		Heptachlor Epoxide	10.000	0.000	100.0#	0	-3.14#
13		gamma-Chlordane (trans)	10.000	0.000	100.0#	0	-3.26#

Evaluate Continuing Calibration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 19 Oct 2020   9:03 pm
Operator : PEST18:jmc
Sample   : cicvtox,42e,,pp10098
Misc   : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 21   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:48:22 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:47:28 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)	10.000	0.000	100.0#	0	-3.39#
15		4,4'-DDE	10.000	0.000	100.0#	0	-3.48#
16		Endosulfan I	10.000	0.000	100.0#	0	-3.52#
17		Dieldrin	10.000	0.000	100.0#	0	-3.77#
18		Endrin	10.000	0.000	100.0#	0	-4.02#
19		4,4'-DDD	10.000	0.000	100.0#	0	-4.14#
20		Endosulfan II	10.000	0.000	100.0#	0	-4.28#
21		4,4'-DDT	10.000	0.000	100.0#	0	-4.45#
22		Endrin Aldehyde	10.000	0.000	100.0#	0	-4.72#
23		Methoxychlor	10.000	0.000	100.0#	0	-4.97#
24		Mirex	10.000	0.000	100.0#	0	-5.01#
25		Endosulfan Sulfate	10.000	0.000	100.0#	0	-5.12#
26		Endrin Ketone	10.000	0.000	100.0#	0	-5.30#
27	s	Decachlorobiphenyl	10.000	0.000	100.0#	0	-5.85#
28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	0	-1.23#
29	l1	chlordane-1	1000.000	0.000	100.0#	0	-2.32#
30	l1	chlordane-3	1000.000	0.000	100.0#	0	-2.72#
31	l1	chlordane-4	1000.000	0.000	100.0#	0	-3.26#
32	l1	chlordane-5	1000.000	0.000	100.0#	0	-3.38#

Signal #2

1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	0	-1.36#
2	s	2,4,5,6-Tetrachloro-m-xyl	10.000	0.000	100.0#	0	-1.83#
3		Hexachlorobenzene	10.000	0.000	100.0#	0	-2.15#
4		alpha-BHC	10.000	0.000	100.0#	0	-2.25#
5		gamma-BHC (lindane)	10.000	0.000	100.0#	0	-2.53#
6		beta-BHC	10.000	0.000	100.0#	0	-2.60#
7		delta-BHC	10.000	0.000	100.0#	0	-2.86#

Evaluate Continuing Calibration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 19 Oct 2020   9:03 pm
Operator : PEST18:jmc
Sample   : cicvtox,42e,,pp10098
Misc   : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 21   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:48:22 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:47:28 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
8		Heptachlor	10.000	0.000	100.0#	0	-2.93#
9		Aldrin	10.000	0.000	100.0#	0	-3.24#
10		Alachlor	10.000	0.000	100.0#	0	-3.14#
11		Chlorpyrifos	10.000	0.000	100.0#	0	-3.49#
12		Heptachlor Epoxide	10.000	0.000	100.0#	0	-3.86#
13		gamma-Chlordane (trans)	10.000	0.000	100.0#	0	-4.08#
14		alpha-Chlordane (cis)	10.000	0.000	100.0#	0	-4.25#
15		4,4'-DDE	10.000	0.000	100.0#	0	-4.45#
16		Endosulfan I	10.000	0.000	100.0#	0	-4.31#
17		Dieldrin	10.000	0.000	100.0#	0	-4.61#
18		Endrin	10.000	0.000	100.0#	0	-4.91#
19		4,4'-DDD	10.000	0.000	100.0#	0	-5.03#
20		Endosulfan II	10.000	0.000	100.0#	0	-5.11#
21		4,4'-DDT	10.000	0.000	100.0#	0	-5.27#
22		Endrin Aldehyde	10.000	0.000	100.0#	0	-5.33#
23		Methoxychlor	10.000	0.000	100.0#	0	-5.64#
24		Mirex	10.000	0.000	100.0#	0	-5.73#
25		Endosulfan Sulfate	10.000	0.000	100.0#	0	-5.48#
26		Endrin Ketone	10.000	0.000	100.0#	0	-5.76#
27	s	Decachlorobiphenyl	10.000	0.000	100.0#	0	-6.46#
28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	0	-1.36#
29	l1	chlordane-1	1000.000	0.000	100.0#	0	-2.79#
30	l1	chlordane-3	1000.000	0.000	100.0#	0	-3.40#
31	l1	chlordane-4	1000.000	0.000	100.0#	0	-4.19#
32	l1	chlordane-5	1000.000	0.000	100.0#	0	-4.25#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 9:03 pm
Operator : PEST18:jmc
Sample : cicvtox,42e,,pp10098
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:48:22 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:47:28 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.232	1.361	91055869	99714305	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 9:03 pm
Operator : PEST18:jmc
Sample : cicvtox,42e,,pp10098
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:48:22 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:47:28 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29)	l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30)	l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31)	l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32)	l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
		Sum chlordane-1			0	0	N.D.	N.D.
Average		chlordane-1					0.000	0.000
34)	l2	toxaphene-1	4.265	5.094	439.0E6	279.1E6	2059.149	2066.961
35)	l2	toxaphene-2	4.395	5.172	291.6E6	538.3E6	1686.956	1987.272
36)	l2	toxaphene-3	4.634	5.337	339.6E6	349.1E6	2061.972	1966.037
37)	l2	toxaphene-4	5.022	5.601	290.4E6	325.7E6	1932.576	2156.124
		Sum toxaphene-1			1360.6E6	1492.3E6	7740.653	8176.394
Average		toxaphene-1					1935.163	2044.098

SemiQuant Compounds - Not Calibrated on this Instrument

		Sum toxaphene-1			1360.6E6	1492.3E6	7740.653	8176.394
Average		toxaphene-1					1935.163	2044.098

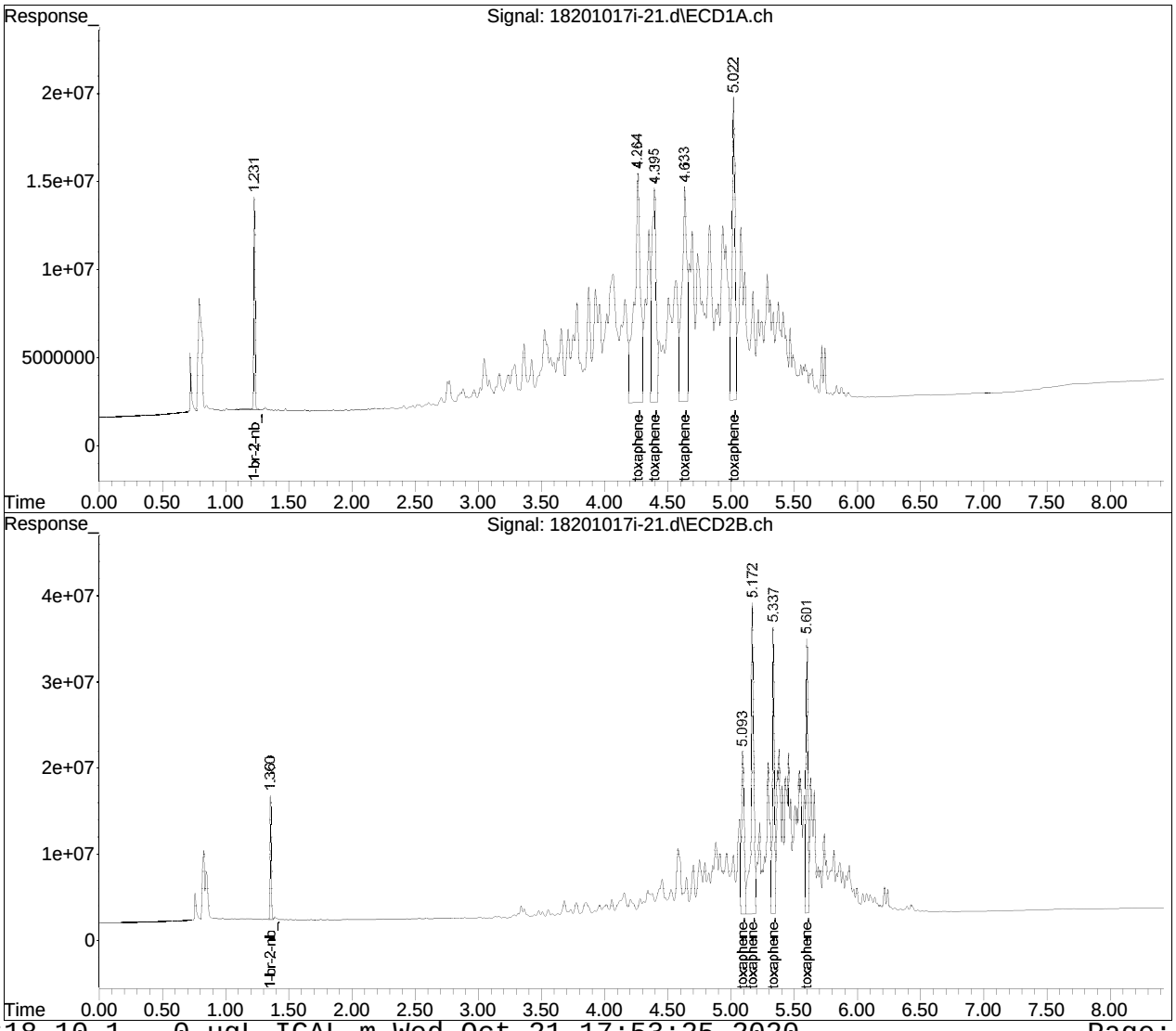
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-21.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Oct 2020 9:03 pm
Operator : PEST18:jmc
Sample : cicvtox,42e,,pp10098
Misc : WG1424178, (Sig #1); ical (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 09:48:22 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 09:47:28 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest18\201019ICAL\	QMethod	: pest18_10_17_20_ugL_ICAL
Data File	: 18201017i-21.d	Operator	: PEST18:jmc
Date Inj'd	: 10/19/2020 9:03 pm	Instrument	: Pest 18
Sample	: cicvtox,42e,,pp10098	Quant Date	: 10/20/2020 9:47 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-23.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2020 10:45 am
Operator : PEST18:jmc
Sample : pem18201017a02,42ee,,deg 10100 (Sig #1); deg 10100 (Sig #2)
Misc : WG1424178,
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 21 14:01:41 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Wed Oct 21 14:01:37 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.232	1.361	87580879	102.6E6	25.000	25.000
	System Monitoring Compounds						
	Target Compounds						
15)	4,4'-DDE	3.487	4.454	1519150	1468291	0.318M2	0.298M2
18)	Endrin	4.023	4.907	228.3E6	248.2E6	49.152	56.677
19)	4,4'-DDD	4.140	5.032	1707217	1533741	0.448M2	0.408M2
21)	4,4'-DDT	4.450	5.269	403.9E6	500.5E6	91.769	103.058
22)	Endrin Aldeh	4.717	5.333	3712726	5675712	1.034	1.417
26)	Endrin Keton	5.294	5.760	12910676	12538890	2.528	2.123
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

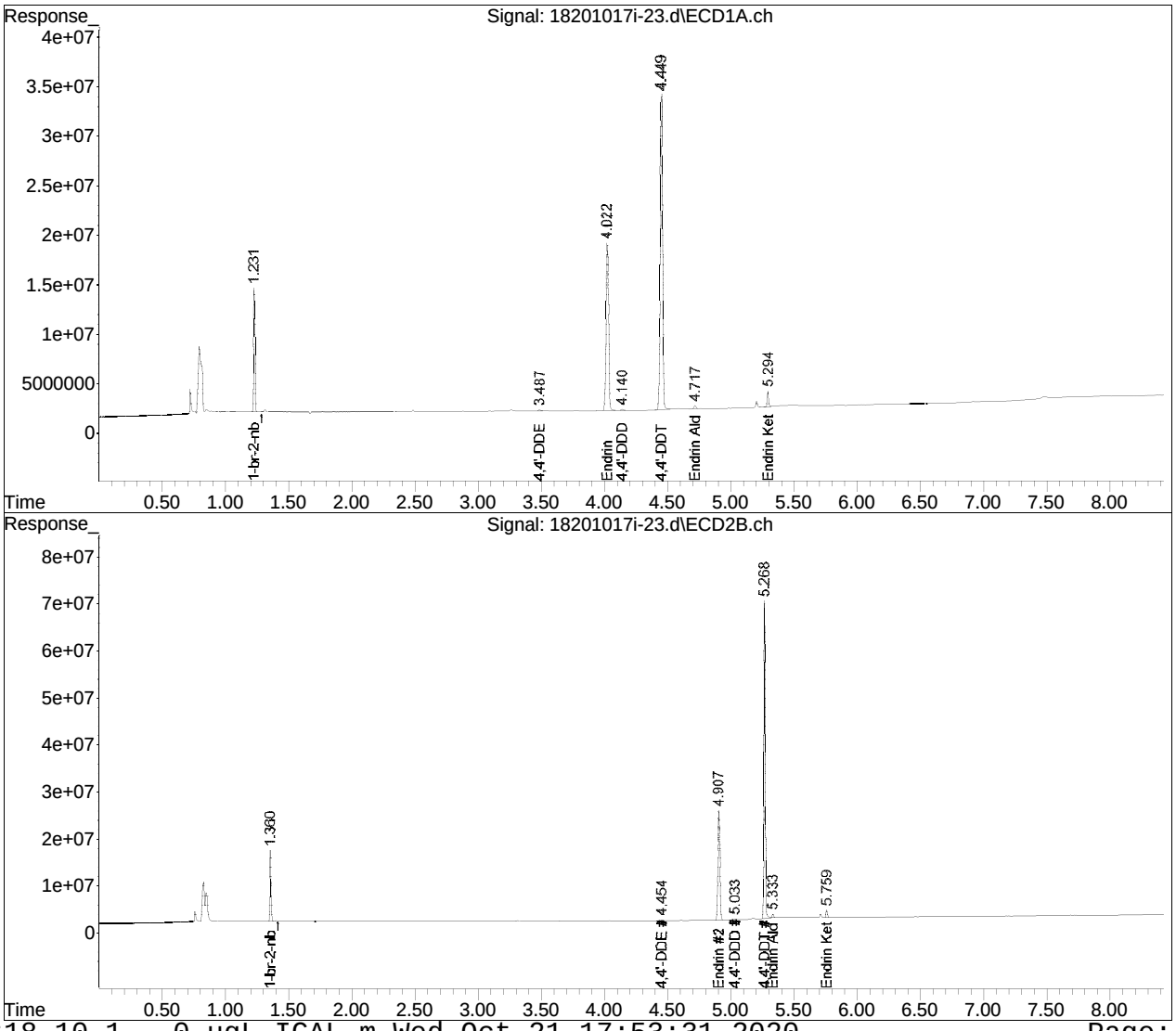
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-23.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2020 10:45 am
Operator : PEST18:jmc
Sample : pem18201017a02,42ee,,deg 10100 (Sig #1); deg 10100 (Sig #2)
Misc : WG1424178,
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 21 14:01:41 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Wed Oct 21 14:01:37 2020
Response via : Initial Calibration
Integrator: ChemStation

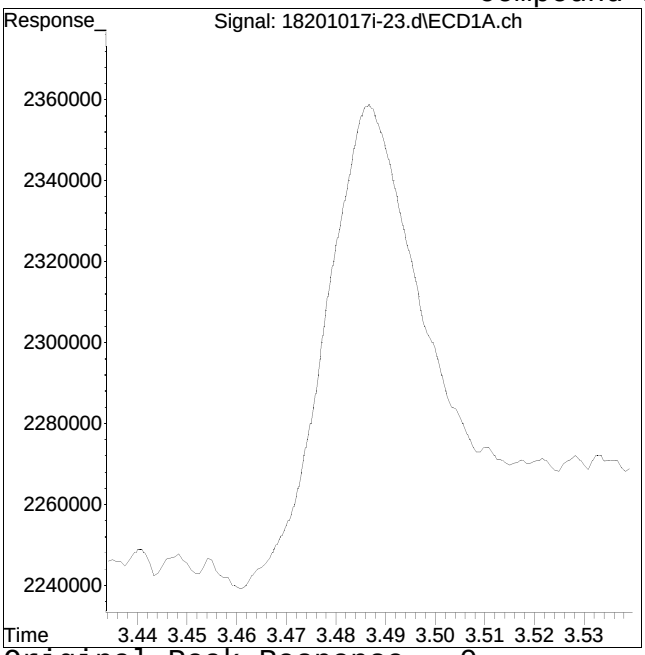
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



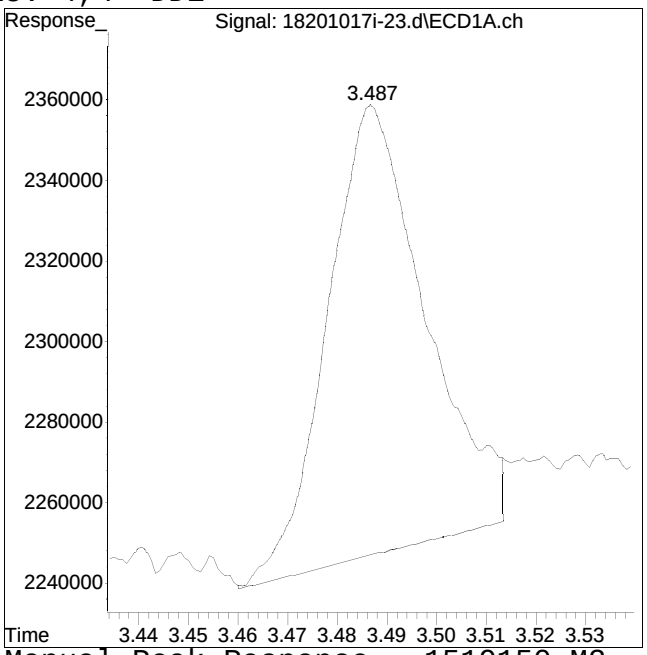
Manual Integration Report

Data Path : I:\Pest18\201019ICAL\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201017i-23.d Operator : PEST18:jmc
Date Inj'd : 10/20/2020 10:45 am Instrument : Pest 18
Sample : pem18201017a02,42ee,,deg 1Quant Date : 10/21/2020 2:01 pm

Compound #15: 4,4'-DDE



Original Peak Response = 0



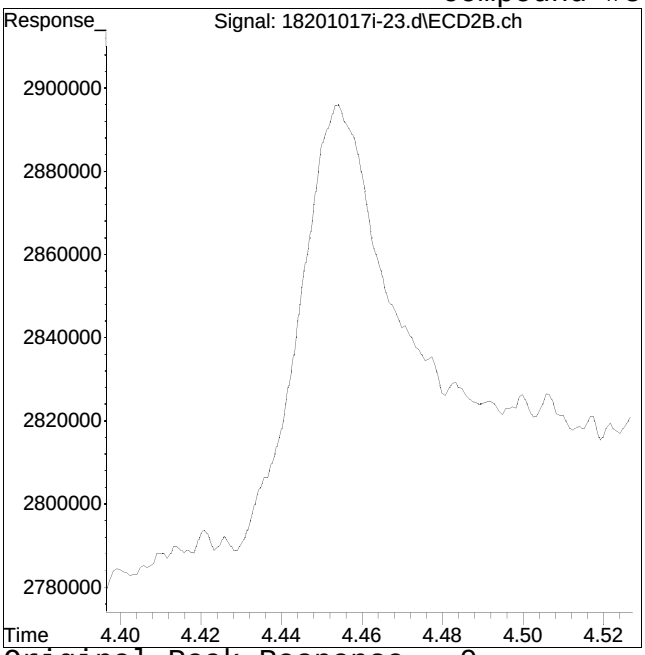
Manual Peak Response = 1519150 M2

M2 = Peak not found by automatic integration algorithm.

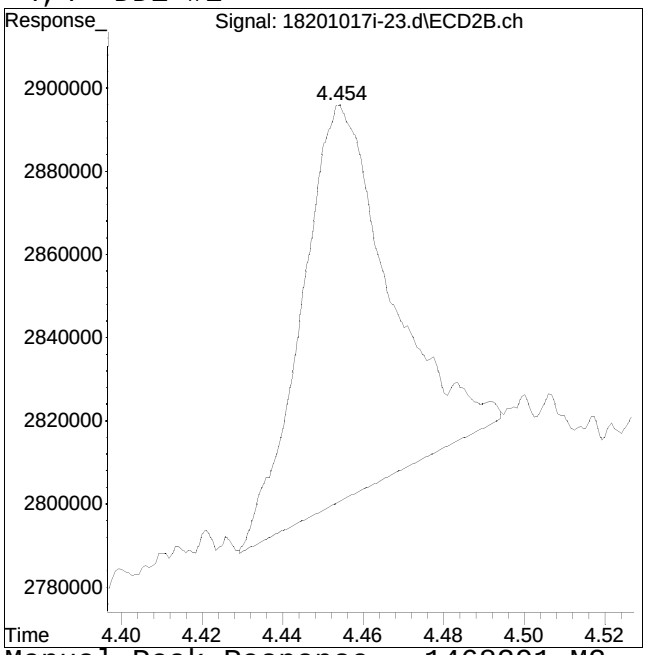
Manual Integration Report

Data Path : I:\Pest18\201019ICAL\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201017i-23.d Operator : PEST18:jmc
Date Inj'd : 10/20/2020 10:45 am Instrument : Pest 18
Sample : pem18201017a02,42ee,,deg 1Quant Date : 10/21/2020 2:01 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 0



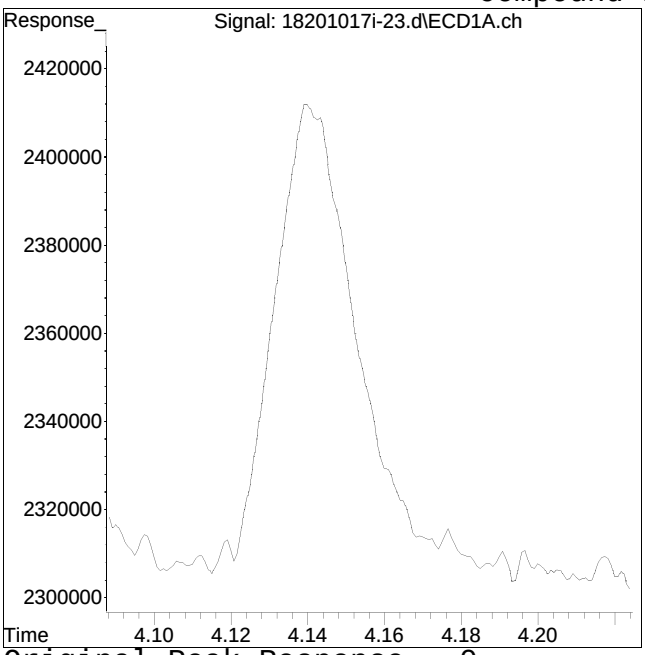
Manual Peak Response = 1468291 M2

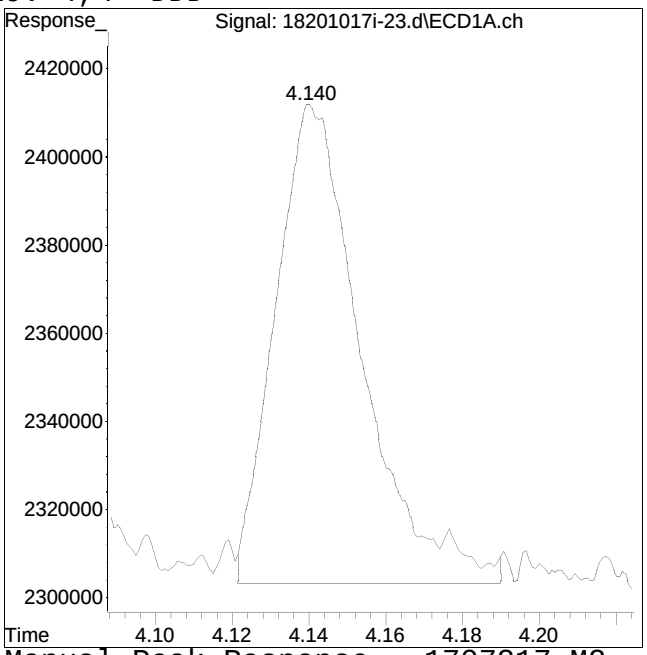
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest18\201019ICAL\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201017i-23.d Operator : PEST18:jmc
Date Inj'd : 10/20/2020 10:45 am Instrument : Pest 18
Sample : pem18201017a02,42ee,,deg 1Quant Date : 10/21/2020 2:01 pm

Compound #19: 4,4'-DDD



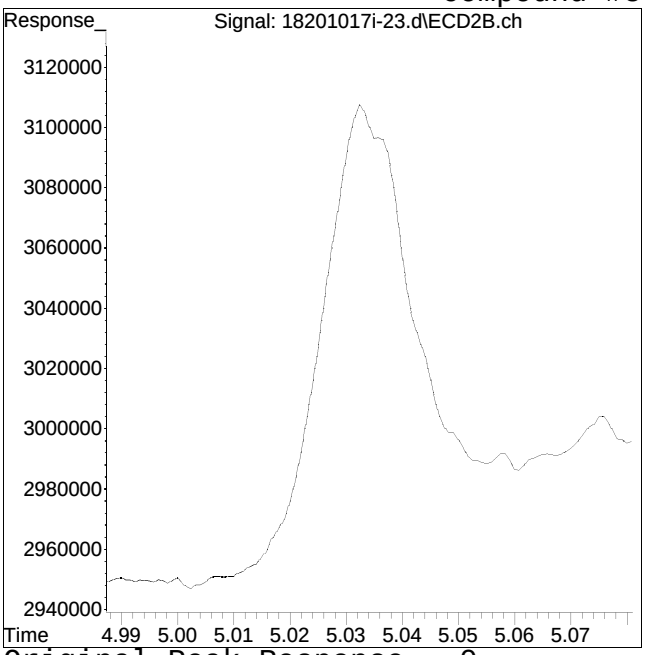


Original Peak Response = 0 Manual Peak Response = 1707217 M2
M2 = Peak not found by automatic integration algorithm.

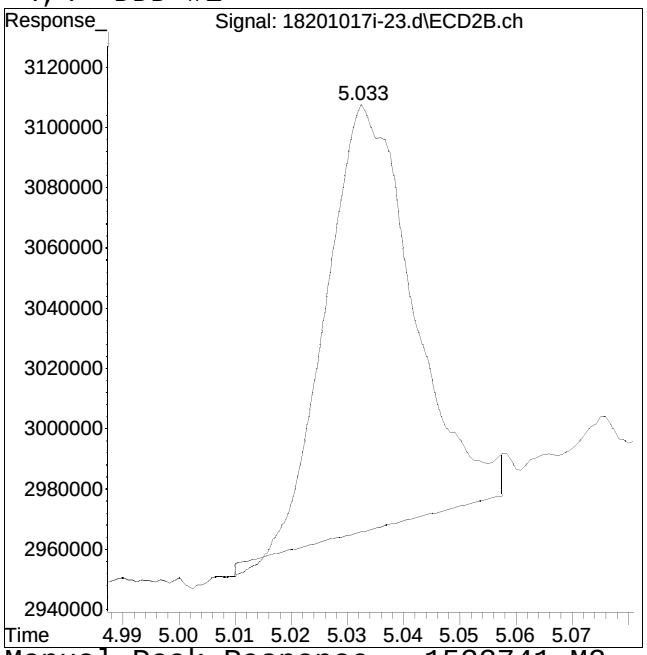
Manual Integration Report

Data Path : I:\Pest18\201019ICAL\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201017i-23.d Operator : PEST18:jmc
Date Inj'd : 10/20/2020 10:45 am Instrument : Pest 18
Sample : pem18201017a02,42ee,,deg 1Quant Date : 10/21/2020 2:01 pm

Compound #57: 4,4'-DDD #2



Original Peak Response = 0



Manual Peak Response = 1533741 M2

M2 = Peak not found by automatic integration algorithm.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-24.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 20 Oct 2020 10:55 am
Operator : PEST18:jmc
Sample   : cicvpest,42e,,pp10162
Misc   : WG1424178,
ALS Vial : 24   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 21 14:01:14 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Wed Oct 21 14:01:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	103	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	50.000	44.922	10.2	108	0.00
3		Hexachlorobenzene	50.000	43.274	13.5	108	0.00
4		alpha-BHC	50.000	43.347	13.3	99	0.00
5		gamma-BHC (lindane)	50.000	40.188	19.6	96	0.00
6		beta-BHC	50.000	41.142	17.7	99	0.00
7		delta-BHC	50.000	43.735	12.5	98	0.00
8		Heptachlor	50.000	46.806	6.4	95	0.00
9		Aldrin	50.000	43.212	13.6	98	0.00
10		Alachlor	50.000	46.708	6.6	111	0.00
11		Chlorpyrifos	50.000	58.416	-16.8	103	0.00
12		Heptachlor Epoxide	50.000	42.593	14.8	100	0.00
13		gamma-Chlordane (trans)	50.000	41.445	17.1	98	0.00
14		alpha-Chlordane (cis)	50.000	41.551	16.9	97	0.00
15		4,4'-DDE	50.000	42.804	14.4	95	0.00
16		Endosulfan I	50.000	42.632	14.7	98	0.00
17		Dieldrin	50.000	44.213	11.6	103	0.00
18		Endrin	50.000	43.052	13.9	99	0.00
19		4,4'-DDD	50.000	44.680	10.6	99	0.00
20		Endosulfan II	50.000	42.238	15.5	95	0.00
21		4,4'-DDT	50.000	41.190	17.6	93	0.00
22		Endrin Aldehyde	50.000	42.373	15.3	92	0.00
23		Methoxychlor	50.000	42.096	15.8	91	0.00
24		Mirex	50.000	57.277	-14.6	101	0.00
25		Endosulfan Sulfate	50.000	42.053	15.9	97	0.00
26		Endrin Ketone	50.000	43.024	14.0	97	0.00
27	s	Decachlorobiphenyl	50.000	56.532	-13.1	103	0.00

Signal #2

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-24.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 20 Oct 2020 10:55 am
Operator : PEST18:jmc
Sample   : cicvpest,42e,,pp10162
Misc   : WG1424178,
ALS Vial : 24   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 21 14:01:14 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Wed Oct 21 14:01:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	102	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	50.000	49.371	1.3	107	0.00
3		Hexachlorobenzene	50.000	46.805	6.4	109	0.00
4		alpha-BHC	50.000	47.470	5.1	98	0.00
5		gamma-BHC (lindane)	50.000	44.977	10.0	96	0.00
6		beta-BHC	50.000	43.403	13.2	97	0.00
7		delta-BHC	50.000	48.698	2.6	99	0.00
8		Heptachlor	50.000	43.550	12.9	97	0.00
9		Aldrin	50.000	47.998	4.0	100	0.00
10		Alachlor	50.000	53.609	-7.2	115	0.00
11		Chlorpyrifos	50.000	46.323	7.4	108	0.00
12		Heptachlor Epoxide	50.000	46.990	6.0	100	0.00
13		gamma-Chlordane (trans)	50.000	45.026	9.9	97	0.00
14		alpha-Chlordane (cis)	50.000	44.846	10.3	96	0.00
15		4,4'-DDE	50.000	47.282	5.4	95	0.00
16		Endosulfan I	50.000	45.979	8.0	98	0.00
17		Dieldrin	50.000	49.185	1.6	103	0.00
18		Endrin	50.000	50.038	-0.1	100	0.00
19		4,4'-DDD	50.000	51.232	-2.5	102	0.00
20		Endosulfan II	50.000	46.120	7.8	97	0.00
21		4,4'-DDT	50.000	45.906	8.2	93	0.00
22		Endrin Aldehyde	50.000	42.953	14.1	89	0.00
23		Methoxychlor	50.000	43.473	13.1	92	0.00
24		Mirex	50.000	43.067	13.9	103	0.00
25		Endosulfan Sulfate	50.000	44.506	11.0	99	0.00
26		Endrin Ketone	50.000	45.568	8.9	97	0.00
27	s	Decachlorobiphenyl	50.000	44.547	10.9	103	0.00

Evaluate Continuing Calibration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-24.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 20 Oct 2020 10:55 am
Operator : PEST18:jmc
Sample   : cicvpest,42e,,pp10162
Misc   : WG1424178,
ALS Vial : 24   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 21 14:01:14 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Wed Oct 21 14:01:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	0	-1.23#
29	l1	chlordane-1	2500.000	0.000	100.0#	0	-2.32#
30	l1	chlordane-3	2500.000	0.000	100.0#	0	-2.72#
31	l1	chlordane-4	2500.000	0.000	100.0#	0	-3.26#
32	l1	chlordane-5	2500.000	0.000	100.0#	0	-3.38#
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	0	-1.23#
34	l2	toxaphene-1	5000.000	0.000	100.0#	0	-4.26#
35	l2	toxaphene-2	5000.000	0.000	100.0#	0	-4.40#
36	l2	toxaphene-3	5000.000	0.000	100.0#	0	-4.63#
37	l2	toxaphene-4	5000.000	0.000	100.0#	0	-5.02#

Signal #2

28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	0	-1.36#
29	l1	chlordane-1	2500.000	0.000	100.0#	0	-2.79#
30	l1	chlordane-3	2500.000	0.000	100.0#	0	-3.40#
31	l1	chlordane-4	2500.000	0.000	100.0#	0	-4.19#
32	l1	chlordane-5	2500.000	0.000	100.0#	0	-4.25#
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	0	-1.36#
34	l2	toxaphene-1	5000.000	0.000	100.0#	0	-5.09#
35	l2	toxaphene-2	5000.000	0.000	100.0#	0	-5.17#
36	l2	toxaphene-3	5000.000	0.000	100.0#	0	-5.34#
37	l2	toxaphene-4	5000.000	0.000	100.0#	0	-5.60#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-24.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2020 10:55 am
Operator : PEST18:jmc
Sample : cicvpest,42e,,pp10162
Misc : WG1424178,
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 21 14:01:14 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Wed Oct 21 14:01:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.232	1.361	87174179	99749379	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.559	1.835	199.0E6	227.6E6	44.922	49.371
	Spiked Amount 50.000	Range 30 - 150		Recovery =		89.84%	98.74%
27) s	Decachlorobi	5.851	6.459	193.8E6	222.9E6	56.532	44.547
	Spiked Amount 50.000	Range 30 - 150		Recovery =		113.06%	89.09%
	Target Compounds						
3)	Hexachlorobe	1.761	2.152	211.3E6	248.0E6	43.274	46.805
4)	alpha-BHC	1.856	2.249	250.2E6	283.0E6	43.347	47.470
5)	gamma-BHC (l	2.049	2.533	224.3E6	254.0E6	40.188	44.977
6)	beta-BHC	2.103	2.597	105.4E6	119.0E6	41.142	43.403
7)	delta-BHC	2.226	2.862	226.3E6	256.7E6	43.735	48.698
8)	Heptachlor	2.379	2.927	217.8E6	257.9E6	46.806	43.550
9)	Aldrin	2.611	3.244	220.2E6	244.2E6	43.212	47.998
10)	Alachlor	2.747	3.143	36903206	42428477	46.708	53.609
11)	Chlorpyrifos	2.824	3.486	122.7E6	139.2E6	58.416	46.323
12)	Heptachlor E	3.137	3.858	212.3E6	236.6E6	42.593	46.990
13)	gamma-Chlord	3.257	4.077	215.1E6	241.0E6	41.445	45.026
14)	alpha-Chlord	3.386	4.248	210.4E6	234.1E6	41.551	44.846
15)	4,4'-DDE	3.482	4.450	203.3E6	226.6E6	42.804	47.282
16)	Endosulfan I	3.522	4.311	203.9E6	219.3E6	42.632	45.979
17)	Dieldrin	3.773	4.607	225.0E6	244.2E6	44.213	49.185
18)	Endrin	4.023	4.907	199.1E6	213.1E6	43.052	50.038
19)	4,4'-DDD	4.140	5.033	169.6E6	187.2E6	44.680	51.232
20)	Endosulfan I	4.280	5.108	190.3E6	211.3E6	42.238	46.120
21)	4,4'-DDT	4.450	5.269	180.4E6	216.8E6	41.190	45.906
22)	Endrin Aldeh	4.717	5.333	151.5E6	167.3E6	42.373	42.953
23)	Methoxychlor	4.968	5.644	93873257	118.1E6	42.096	43.473

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-24.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2020 10:55 am
Operator : PEST18:jmc
Sample : cicvpest,42e,,pp10162
Misc : WG1424178,
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 21 14:01:14 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Wed Oct 21 14:01:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24)	Mirex	5.008	5.733	169.4E6	198.6E6	57.277	43.067
25)	Endosulfan S	5.121	5.479	190.0E6	213.9E6	42.053	44.506
26)	Endrin Keton	5.296	5.760	218.7E6	261.6E6	43.024	45.568
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

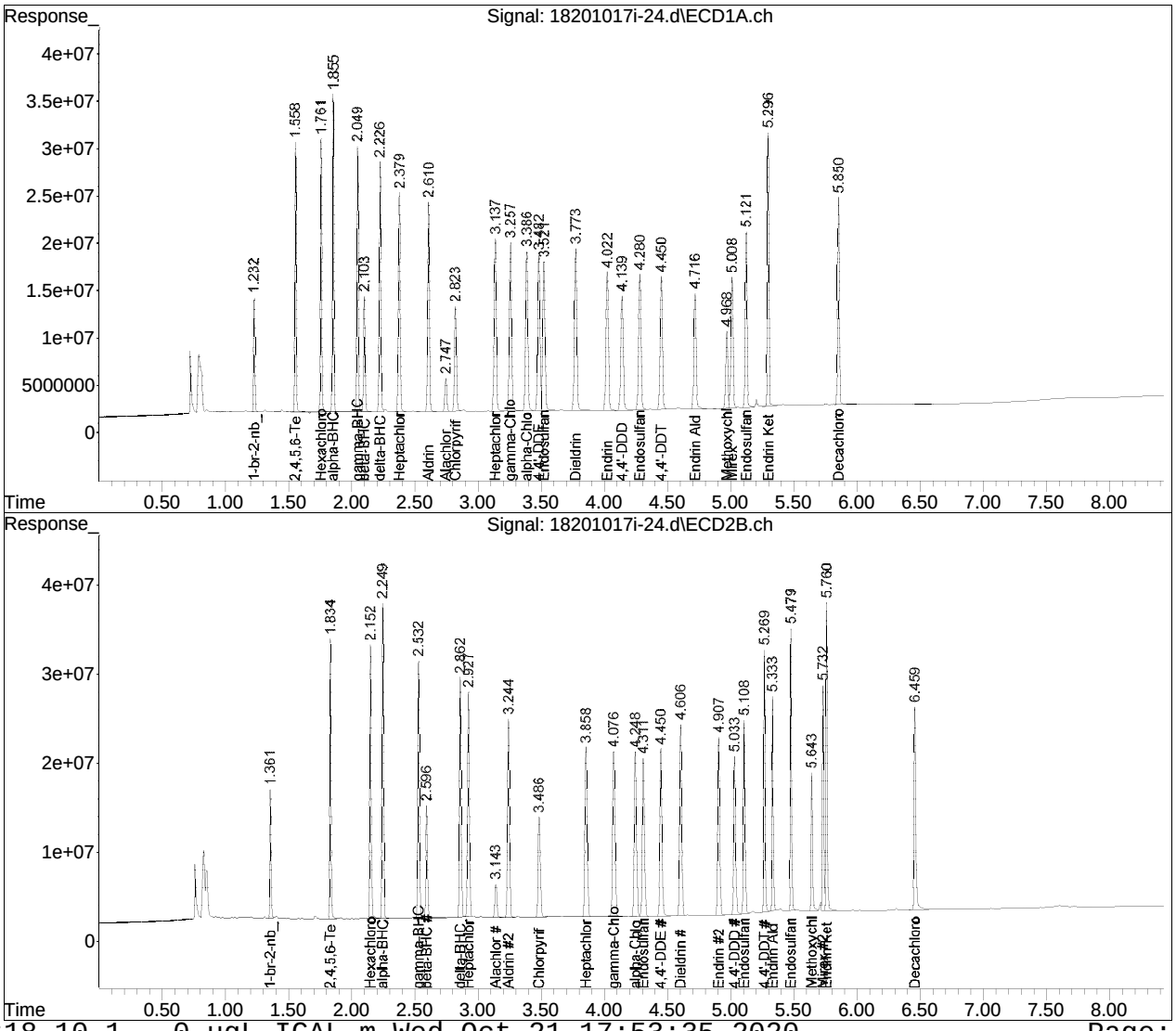
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-24.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2020 10:55 am
Operator : PEST18:jmc
Sample : cicvpest,42e,,pp10162
Misc : WG1424178,
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 21 14:01:14 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Wed Oct 21 14:01:09 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest18\201019ICAL\	QMethod	: pest18_10_17_20_ugL_ICAL
Data File	: 18201017i-24.d	Operator	: PEST18:jmc
Date Inj'd	: 10/20/2020 10:55 am	Instrument	: Pest 18
Sample	: cicvpest,42e,,pp10162	Quant Date	: 10/21/2020 2:01 pm

There are no manual integrations or false positives in this file.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-25.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 20 Oct 2020 11:05 am
Operator : PEST18:jmc
Sample   : cicvchlor,42e,,pp10129
Misc   : WG1424178,
ALS Vial : 25   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 12:17:58 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 12:16:10 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	106	0.00
29	l1	chlordane-1	1000.000	793.536	20.6#	84	0.00
30	l1	chlordane-3	1000.000	858.459	14.2	91	0.00
31	l1	chlordane-4	1000.000	930.119	7.0	99	0.00
32	l1	chlordane-5	1000.000	1000.089	-0.0	106	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	102	0.00
29	l1	chlordane-1	1000.000	820.444	18.0	84	0.00
30	l1	chlordane-3	1000.000	934.402	6.6	95	0.00
31	l1	chlordane-4	1000.000	1265.717	-26.6#	129	0.00
32	l1	chlordane-5	1000.000	878.064	12.2	90	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	0	-1.23#
2	s	2,4,5,6-Tetrachloro-m-xylen	10.000	0.000	100.0#	0	-1.56#
3		Hexachlorobenzene	10.000	0.000	100.0#	0	-1.76#
4		alpha-BHC	10.000	0.000	100.0#	0	-1.85#
5		gamma-BHC (lindane)	10.000	0.000	100.0#	0	-2.05#
6		beta-BHC	10.000	0.000	100.0#	0	-2.10#
7		delta-BHC	10.000	0.000	100.0#	0	-2.23#
8		Heptachlor	10.000	0.000	100.0#	0	-2.38#
9		Aldrin	10.000	0.000	100.0#	0	-2.61#
10		Alachlor	10.000	0.000	100.0#	0	-2.75#
11		Chlorpyrifos	10.000	0.000	100.0#	0	-2.82#
12		Heptachlor Epoxide	10.000	0.000	100.0#	0	-3.14#
13		gamma-Chlordane (trans)	10.000	0.000	100.0#	0	-3.26#

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-25.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 20 Oct 2020 11:05 am
Operator : PEST18:jmc
Sample   : cicvchlor,42e,,pp10129
Misc   : WG1424178,
ALS Vial : 25   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 12:17:58 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 12:16:10 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)	10.000	0.000	100.0#	0	-3.39#
15		4,4'-DDE	10.000	0.000	100.0#	0	-3.48#
16		Endosulfan I	10.000	0.000	100.0#	0	-3.52#
17		Dieldrin	10.000	0.000	100.0#	0	-3.77#
18		Endrin	10.000	0.000	100.0#	0	-4.02#
19		4,4'-DDD	10.000	0.000	100.0#	0	-4.14#
20		Endosulfan II	10.000	0.000	100.0#	0	-4.28#
21		4,4'-DDT	10.000	0.000	100.0#	0	-4.45#
22		Endrin Aldehyde	10.000	0.000	100.0#	0	-4.72#
23		Methoxychlor	10.000	0.000	100.0#	0	-4.97#
24		Mirex	10.000	0.000	100.0#	0	-5.01#
25		Endosulfan Sulfate	10.000	0.000	100.0#	0	-5.12#
26		Endrin Ketone	10.000	0.000	100.0#	0	-5.30#
27	s	Decachlorobiphenyl	10.000	0.000	100.0#	0	-5.85#
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	0	-1.23#
34	l2	toxaphene-1	2000.000	0.000	100.0#	0	-4.26#
35	l2	toxaphene-2	2000.000	0.000	100.0#	0	-4.40#
36	l2	toxaphene-3	2000.000	0.000	100.0#	0	-4.63#
37	l2	toxaphene-4	2000.000	0.000	100.0#	0	-5.02#

Signal #2

1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	0	-1.36#
2	s	2,4,5,6-Tetrachloro-m-xyl	10.000	0.000	100.0#	0	-1.83#
3		Hexachlorobenzene	10.000	0.000	100.0#	0	-2.15#
4		alpha-BHC	10.000	0.000	100.0#	0	-2.25#
5		gamma-BHC (lindane)	10.000	0.000	100.0#	0	-2.53#
6		beta-BHC	10.000	0.000	100.0#	0	-2.60#
7		delta-BHC	10.000	0.000	100.0#	0	-2.86#

Evaluate Continuing Calibration Report

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-25.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 20 Oct 2020 11:05 am
Operator : PEST18:jmc
Sample   : cicvchlor,42e,,pp10129
Misc   : WG1424178,
ALS Vial : 25   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 12:17:58 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 12:16:10 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
8		Heptachlor	10.000	0.000	100.0#	0	-2.93#
9		Aldrin	10.000	0.000	100.0#	0	-3.24#
10		Alachlor	10.000	0.000	100.0#	0	-3.14#
11		Chlorpyrifos	10.000	0.000	100.0#	0	-3.49#
12		Heptachlor Epoxide	10.000	0.000	100.0#	0	-3.86#
13		gamma-Chlordane (trans)	10.000	0.000	100.0#	0	-4.08#
14		alpha-Chlordane (cis)	10.000	0.000	100.0#	0	-4.25#
15		4,4'-DDE	10.000	0.000	100.0#	0	-4.45#
16		Endosulfan I	10.000	0.000	100.0#	0	-4.31#
17		Dieldrin	10.000	0.000	100.0#	0	-4.61#
18		Endrin	10.000	0.000	100.0#	0	-4.91#
19		4,4'-DDD	10.000	0.000	100.0#	0	-5.03#
20		Endosulfan II	10.000	0.000	100.0#	0	-5.11#
21		4,4'-DDT	10.000	0.000	100.0#	0	-5.27#
22		Endrin Aldehyde	10.000	0.000	100.0#	0	-5.33#
23		Methoxychlor	10.000	0.000	100.0#	0	-5.64#
24		Mirex	10.000	0.000	100.0#	0	-5.73#
25		Endosulfan Sulfate	10.000	0.000	100.0#	0	-5.48#
26		Endrin Ketone	10.000	0.000	100.0#	0	-5.76#
27	s	Decachlorobiphenyl	10.000	0.000	100.0#	0	-6.46#
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	0	-1.36#
34	l2	toxaphene-1	2000.000	0.000	100.0#	0	-5.09#
35	l2	toxaphene-2	2000.000	0.000	100.0#	0	-5.17#
36	l2	toxaphene-3	2000.000	0.000	100.0#	0	-5.34#
37	l2	toxaphene-4	2000.000	0.000	100.0#	0	-5.60#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-25.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2020 11:05 am
Operator : PEST18:jmc
Sample : cicvchlor,42e,,pp10129
Misc : WG1424178,
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 12:17:58 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 12:16:10 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.231	1.360	92573808	104.4E6	25.000	25.000
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-25.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2020 11:05 am
Operator : PEST18:jmc
Sample : cicvchlor,42e,,pp10129
Misc : WG1424178,
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 12:17:58 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 12:16:10 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
24)		Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
25)		Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d	
26)		Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d	
29)	l1	chlordane-1	2.318	2.792	143.4E6	155.7E6	793.536	820.444	
30)	l1	chlordane-3	2.719	3.395	167.7E6	178.8E6	858.459	934.402	
31)	l1	chlordane-4	3.257	4.188	587.2E6	686.7E6	930.119	1265.717	
32)	l1	chlordane-5	3.377	4.248	987.2E6	470.1E6	1000.089	878.064	
	Sum	chlordane-1			1885.5E6	1491.2E6	N.D.	N.D.	D
Average		chlordane-1					895.551	974.657	
34)	l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d	
35)	l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d	
36)	l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d	
37)	l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d	
	Sum	toxaphene-1			0	0	N.D.	N.D.	
Average		toxaphene-1					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum	toxaphene-1			0	0	N.D.	N.D.	
Average		toxaphene-1					0.000	0.000	

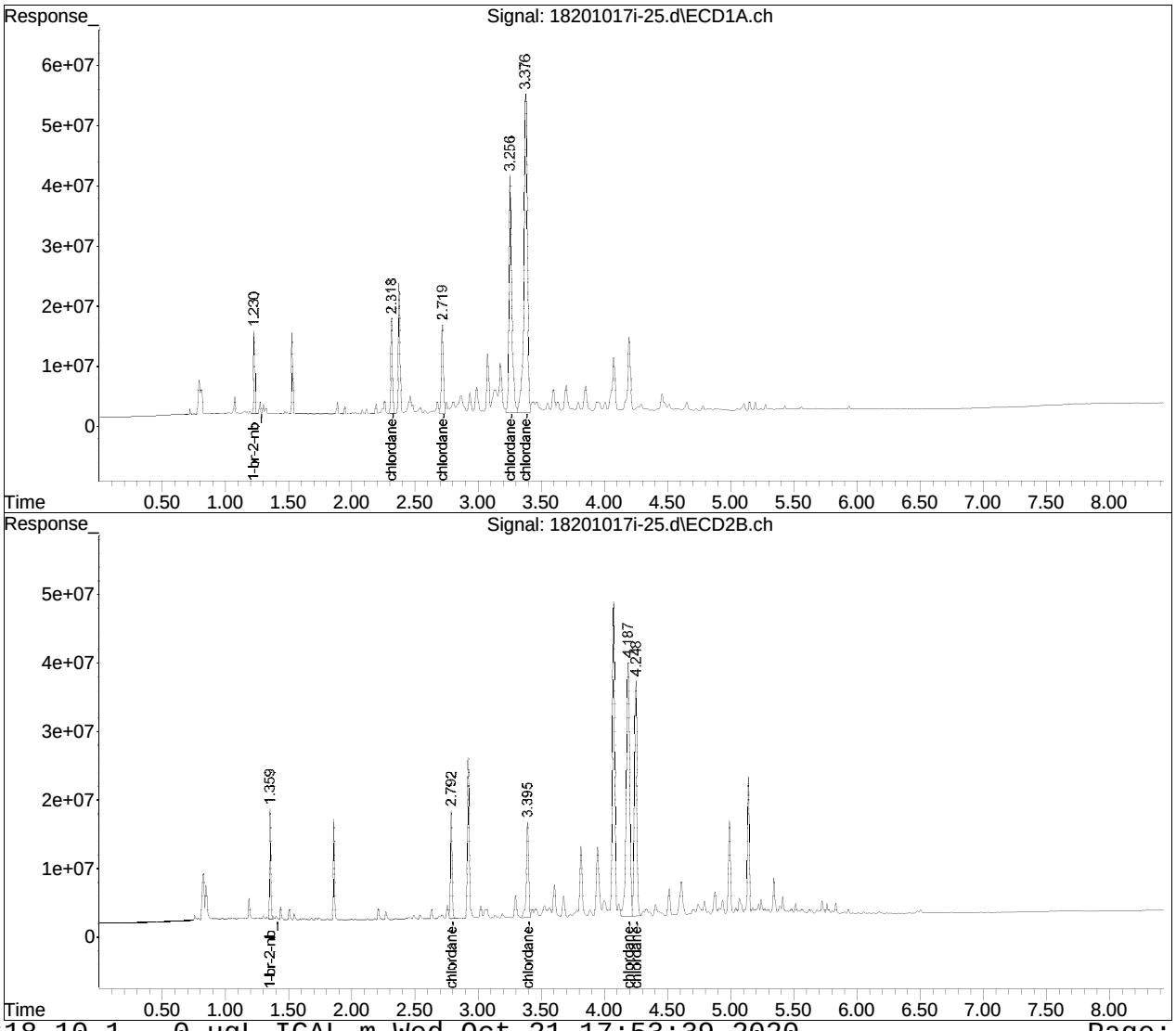
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201019ICAL\
Data File : 18201017i-25.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Oct 2020 11:05 am
Operator : PEST18:jmc
Sample : cicvchlor,42e,,pp10129
Misc : WG1424178,
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Oct 20 12:17:58 2020
Quant Method : I:\Pest18\201019ICAL\pest18_10_17_20_ugL_ICAL.m
Quant Title : pest
QLast Update : Tue Oct 20 12:16:10 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest18\201019ICAL\	QMethod	: pest18_10_17_20_ugL_ICAL
Data File	: 18201017i-25.d	Operator	: PEST18:jmc
Date Inj'd	: 10/20/2020 11:05 am	Instrument	: Pest 18
Sample	: cicvchlor,42e,,pp10129	Quant Date	: 10/20/2020 12:17 pm

There are no manual integrations or false positives in this file.

Response Factor Report Pest 11

Method Path : I:\Pest11\201105ICAL\
Method File : pest11_11_05_20_ugL_ICAL.M
Title : pest
Last Update : Wed Nov 11 09:00:29 2020
Response Via : Initial Calibration

Calibration Files
1 =11201105i-03.d 2 =11201105i-21.d 3 =11201105i-15.d 4 =11201105i-16.d 5 =11201105i-07.d
6 =11201105i-17.d 7 =11201105i-22.d 8 =11201105i-23.d 9 =11201105i-11.d 10 =11201105i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...		1.482	1.478	1.421	1.265	1.281	1.173	1.073	1.019	1.025	1.246	14.94
3)	t	Hexachloroben...		1.722	1.623	1.593	1.518	1.505	1.355	1.165	1.126	1.083	1.410	16.76
4)	t	alpha-BHC		1.646	1.585	1.496	1.403	1.422	1.374	1.391	1.375	1.418	1.457	6.75
5)	t	gamma-BHC (li...	1.614	1.587	1.517	1.459	1.384	1.444	1.339	1.305	1.266	1.297	1.421	8.69
6)	t	beta-BHC			0.955	0.878	0.828	0.846	0.757	0.647	0.593	0.574	*L	0.997
8														
7)	t	delta-BHC		1.696	1.552	1.393	1.346	1.371	1.312	1.309	1.269	1.313	1.396	9.99
8)	t	Heptachlor		1.843	1.755	1.635	1.475	1.506	1.422	1.292	1.218	1.223	*L	0.999
2														
9)	t	Aldrin		1.415	1.466	1.352	1.256	1.282	1.212	1.171	1.117	1.132	1.267	9.75
10)	t	Alachlor		0.271	0.330	0.262	0.264	0.275	0.282	0.223	0.193	0.172	0.253	19.16
11)	t	Chlorpyrifos		1.158	1.128	0.997	0.939	0.989	0.897	0.723	0.626		*Q	0.998
9														
12)	t	Heptachlor Ep...		1.574	1.557	1.431	1.360	1.419	1.297	1.175	1.090	1.092	1.333	13.78
13)	t	gamma-Chlorda...			1.720	1.572	1.405	1.506	1.333	1.202	1.114	1.126	*L	0.999
2														
14)	t	alpha-Chlorda...			1.628	1.456	1.385	1.424	1.320	1.195	1.099	1.103	*L	0.999
0														
15)	t	4,4'-DDE		1.492	1.431	1.255	1.154	1.279	1.190	1.169	1.097	1.131	*L	0.999
4														
16)	t	Endosulfan I		1.499	1.419	1.315	1.231	1.311	1.204	1.100	1.017	1.018	*L	0.998
6														

Response Factor Report Pest 11

Method Path : I:\Pest11\201105ICAL\
Method File : pest11_11_05_20_ugL_ICAL.M
Title : pest
Last Update : Wed Nov 11 09:00:29 2020
Response Via : Initial Calibration

Calibration Files
1 =11201105i-03.d 2 =11201105i-21.d 3 =11201105i-15.d 4 =11201105i-16.d 5 =11201105i-07.d
6 =11201105i-17.d 7 =11201105i-22.d 8 =11201105i-23.d 9 =11201105i-11.d 10 =11201105i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
17)	t	Dieldrin	1.547	1.438	1.312	1.228	1.302	1.221	1.162	1.087	1.115		1.268	11.86
18)	t	Endrin	1.513	1.503	1.316	1.252	1.344	1.271	1.223	1.143	1.165		1.303	10.17
19)	t	4,4'-DDD	1.241	1.215	0.989	0.941	1.029	0.970	0.944	0.877	0.903		1.012	12.87
20)	t	Endosulfan II	1.581	1.313	1.251	1.326	1.222	1.096	1.021	1.016			*L	0.999 1
21)	t	4,4'-DDT	1.512	1.188	1.151	1.235	1.156	1.117	1.035	1.070			1.183	12.43
22)	t	Endrin Aldehyde	1.360	1.115	1.031	1.169	1.014	0.965	0.882	0.886			1.053	15.15
23)	t	Methoxychlor	0.840	0.776	0.860	0.774	0.663	0.588	0.573				*L	0.996 7
24)	t	Mirex	1.973	1.821	1.445	1.343	1.439	1.266	1.018	0.894			*Q	0.998 6
25)	t	Endosulfan Su...	1.871	1.737	1.373	1.269	1.398	1.247	1.107	1.006	1.019		*L	0.998 2
26)	t	Endrin Ketone	1.762	1.491	1.373	1.502	1.357	1.256	1.157	1.192			1.386	14.27
27)	s	Decachlorobip...	1.888	1.741	1.354	1.268	1.364	1.279	1.081	0.988	0.974		*L	0.999 5
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1	0.093	0.085	0.070		0.061	0.059	0.050				*Q	0.999 7
30)	l1	chlordane-3	0.078	0.070	0.061		0.051	0.047	0.039				*Q	0.999 7
31)	l1	chlordane-4	0.252	0.218	0.171		0.153	0.150	0.127				*Q	0.999 7
32)	l1	chlordane-5	0.339	0.318	0.263		0.238	0.234	0.198				*Q	0.999 6

Method Path : I:\Pest11\201105ICAL\
Method File : pest11_11_05_20_ugL_ICAL.M
Title : pest
Last Update : Wed Nov 11 09:00:29 2020
Response Via : Initial Calibration

Calibration Files
1 =11201105i-03.d 2 =11201105i-21.d 3 =11201105i-15.d 4 =11201105i-16.d 5 =11201105i-07.d
6 =11201105i-17.d 7 =11201105i-22.d 8 =11201105i-23.d 9 =11201105i-11.d 10 =11201105i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-2	0.052						0.049	0.043			0.048	9.23
35)	l2	toxaphene-3	0.044						0.051	0.040			0.045	12.78
36)	l2	toxaphene-4	0.042						0.052	0.046			0.046	10.00
37)	l2	toxaphene-5	0.052						0.048	0.043			0.048	9.42

Signal #2 Calibration Files
1 =11201105i-03.d 2 =11201105i-21.d 3 =11201105i-15.d 4 =11201105i-16.d 5 =11201105i-07.d
6 =11201105i-17.d 7 =11201105i-22.d 8 =11201105i-23.d 9 =11201105i-11.d 10 =11201105i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
1)	i	1-br-2-nb_Pesticides	----------ISTD----------											
2)	s	2,4,5,6-Tetra...	1.418	1.340	1.283	1.260	1.269	1.147	1.113	1.077	1.099		1.223	9.73
3)	t	Hexachloroben...	1.686	1.602	1.520	1.481	1.471	1.319	1.200	1.145	1.154		1.397	14.33
4)	t	alpha-BHC	1.536	1.460	1.430	1.409	1.431	1.361	1.474	1.467	1.541		1.457	3.95
5)	t	gamma-BHC (li...	1.722	1.656	1.461	1.405	1.359	1.390	1.293	1.335	1.311	1.367	1.430	10.18
6)	t	beta-BHC	0.861	0.803	0.799	0.796	0.719	0.659	0.615	0.615			0.733	12.94
7)	t	delta-BHC	1.584	1.394	1.319	1.286	1.329	1.250	1.317	1.298	1.365		1.349	7.24
8)	t	Heptachlor	1.641	1.567	1.449	1.409	1.462	1.347	1.313	1.256	1.283		1.414	9.19
9)	t	Aldrin	1.316	1.294	1.171	1.122	1.209	1.128	1.142	1.106	1.147		1.182	6.45

Response Factor Report Pest 11

Method Path : I:\Pest11\201105ICAL\
Method File : pest11_11_05_20_ugL_ICAL.M
Title : pest
Last Update : Wed Nov 11 09:00:29 2020
Response Via : Initial Calibration

Calibration Files
1 =11201105i-03.d 2 =11201105i-21.d 3 =11201105i-15.d 4 =11201105i-16.d 5 =11201105i-07.d
6 =11201105i-17.d 7 =11201105i-22.d 8 =11201105i-23.d 9 =11201105i-11.d 10 =11201105i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
10)	t	Alachlor		0.275	0.286	0.253	0.248	0.262	0.241	0.210	0.181	0.167	0.236	17.50
11)	t	Chlorpyrifos		1.079	1.022	0.901	0.868	0.911	0.831	0.697	0.612		*Q	0.999
4														
12)	t	Heptachlor Ep...		1.430	1.372	1.263	1.215	1.275	1.183	1.112	1.046	1.068	1.218	10.82
13)	t	gamma-Chlorda...			1.498	1.329	1.240	1.311	1.193	1.118	1.051	1.084	1.228	12.13
14)	t	alpha-Chlorda...			1.336	1.215	1.162	1.238	1.150	1.081	1.013	1.040	1.154	9.39
15)	t	4,4'-DDE		1.195	1.149	0.994	0.967	1.050	1.003	1.033	0.990	1.046	1.047	7.30
16)	t	Endosulfan I		1.322	1.209	1.098	1.060	1.122	1.044	0.989	0.932	0.957	1.081	11.51
17)	t	Dieldrin		1.251	1.206	1.063	1.022	1.087	1.018	1.014	0.971	1.017	1.072	8.88
18)	t	Endrin		1.285	1.232	1.080	1.033	1.087	1.021	1.015	0.973	1.016	1.082	9.83
19)	t	4,4'-DDD		0.995	0.961	0.770	0.754	0.820	0.775	0.782	0.745	0.788	0.821	11.19
20)	t	Endosulfan II			1.191	0.988	0.973	1.040	0.961	0.900	0.860	0.875	0.973	11.00
21)	t	4,4'-DDT			1.105	0.895	0.862	0.949	0.885	0.884	0.833	0.875	0.911	9.34
22)	t	Endrin Aldehyde			0.965	0.842	0.795	0.860	0.791	0.757	0.704	0.723	0.805	10.44
23)	t	Methoxychlor				0.545	0.517	0.578	0.524	0.489	0.430	0.436	0.503	10.89
24)	t	Mirex		1.249	1.146	0.932	0.880	0.956	0.846	0.709	0.629		*Q	0.999
1														
25)	t	Endosulfan Su...		1.332	1.158	0.936	0.896	0.976	0.877	0.815	0.756	0.778	*L	0.999
2														

Method Path : I:\Pest11\201105ICAL\
Method File : pest11_11_05_20_ugL_ICAL.M
Title : pest
Last Update : Wed Nov 11 09:00:29 2020
Response Via : Initial Calibration

Calibration Files
1 =11201105i-03.d 2 =11201105i-21.d 3 =11201105i-15.d 4 =11201105i-16.d 5 =11201105i-07.d
6 =11201105i-17.d 7 =11201105i-22.d 8 =11201105i-23.d 9 =11201105i-11.d 10 =11201105i-12.d

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
26)	t	Endrin Ketone			1.190	0.978	0.936	1.026	0.928	0.902	0.839	0.882	0.960	11.37
27)	s	Decachlorobip...	1.136	1.192	0.926	0.888	0.973	0.864	0.752	0.682	0.693	*L	0.997	4
28)	i	1-br-2-nb_Chlordane	----------ISTD----------											
29)	l1	chlordane-1	0.088	0.082	0.071		0.062	0.060	0.057				*Q	0.999 7
30)	l1	chlordane-3	0.070	0.063	0.055		0.045	0.043	0.039				*Q	0.999 2
31)	l1	chlordane-4	0.181	0.158	0.143		0.129	0.127	0.120				*Q	0.999 9
32)	l1	chlordane-5	0.150	0.139	0.119		0.107	0.104	0.097				*Q	0.999 9
33)	i	1-br-2-nb_Toxaphene	----------ISTD----------											
34)	l2	toxaphene-2	0.020					0.023	0.020				0.021	7.00
35)	l2	toxaphene-3	0.032					0.033	0.030				0.032	4.68
36)	l2	toxaphene-4	0.033					0.038	0.034				0.035	7.05
37)	l2	toxaphene-5	0.030					0.034	0.030				0.031	6.51

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 4:43 pm
Operator : PEST11:kb
Sample : pem11201105a01,42ee,,deg pp 10100 (Sig #1); deg pp 10100 (Sig #2)
Misc : WG1432978,
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 15:49:35 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 15:19:46 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 4_DEG - deg check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.325	1.436	45254503	72753286	25.000	25.000
	System Monitoring Compounds						
	Target Compounds						
15) t	4,4'-DDE	3.669	4.592	414521	324496	N.D. M2	0.106M2
18) t	Endrin	4.240	5.039	107.2E6	144.9E6	45.429	45.988
19) t	4,4'-DDD	4.351	5.156	260178	510638	0.142M2	0.214M2
D							
21) t	4,4'-DDT	4.637	5.430	190.1E6	244.8E6	88.748	92.324
22) t	Endrin Aldeh	0.000	5.526	0	233197	N.D.	0.100M2
26) t	Endrin Keton	5.516	6.163	260186	347297	0.104M2	0.124M2
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
	Sum toxaphene-2			0	0	N.D.	N.D.
	Average toxaphene-2					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-2			0	0	N.D.	N.D.
	Average toxaphene-2					0.000	0.000

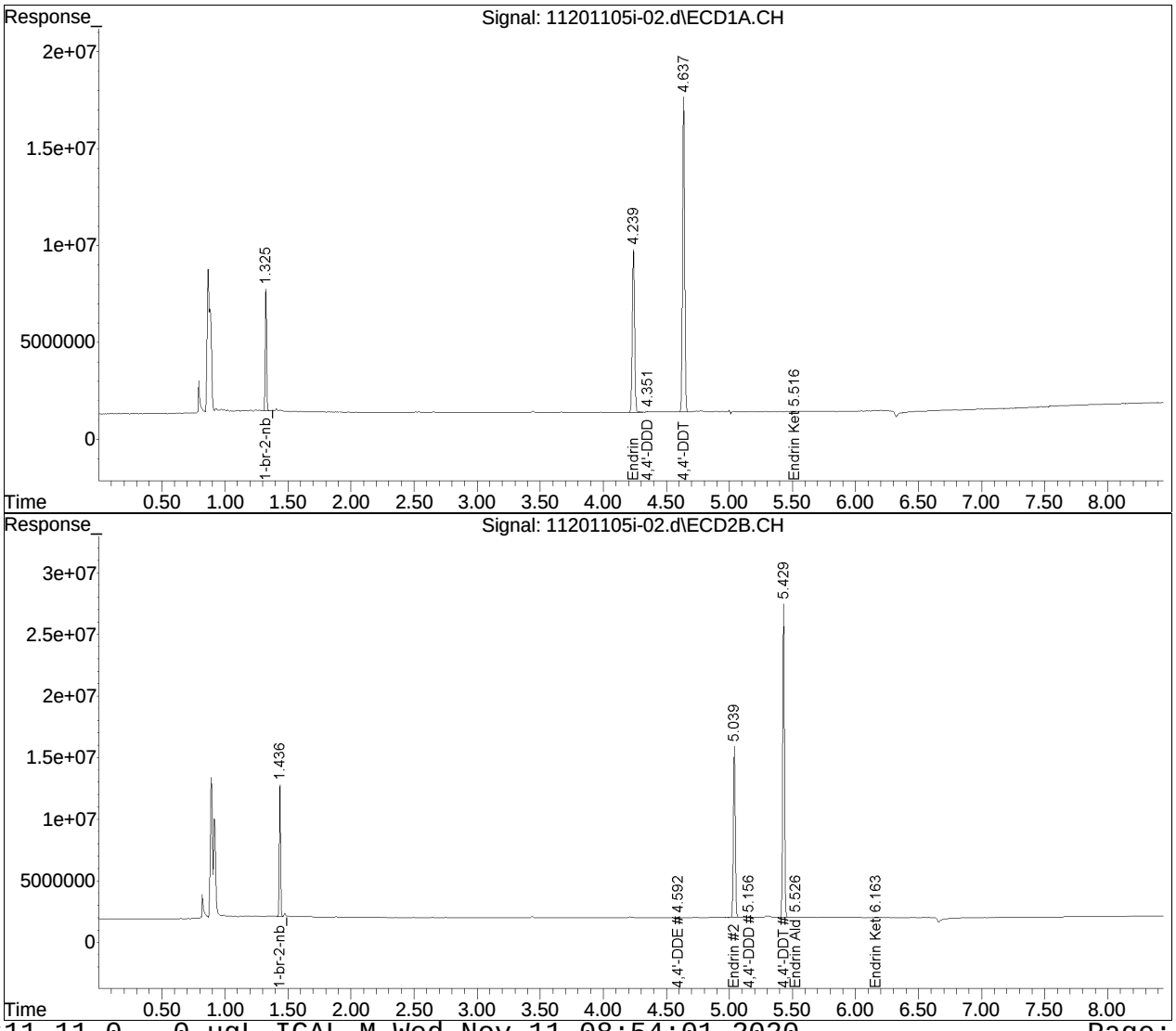
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 4_DEG - deg checkReport (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-02.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 4:43 pm
Operator : PEST11:kb
Sample : pem11201105a01,42ee,,deg pp 10100 (Sig #1); deg pp 10100 (Sig #2)
Misc : WG1432978,
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 15:49:35 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 15:19:46 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

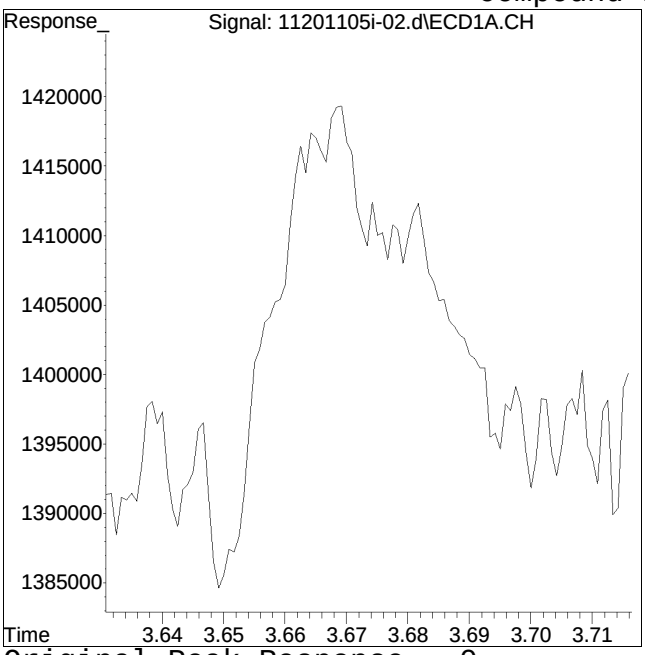
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

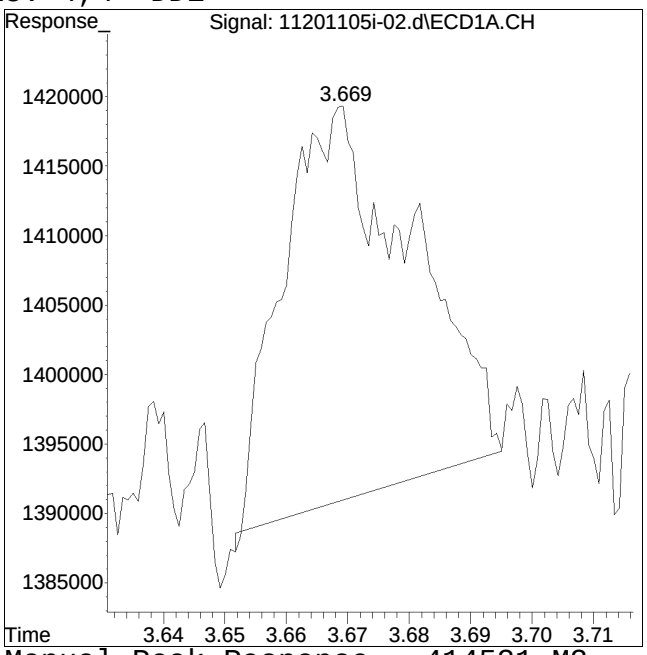


Manual Integration Report

Data Path : I:\Pest11\201105ICAL\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201105i-02.d Operator : PEST11:kb
Date Inj'd : 11/5/2020 4:43 pm Instrument : Pest 11
Sample : pem11201105a01,42ee,,deg pQuant Date : 11/6/2020 3:47 pm

Compound #15: 4,4'-DDE



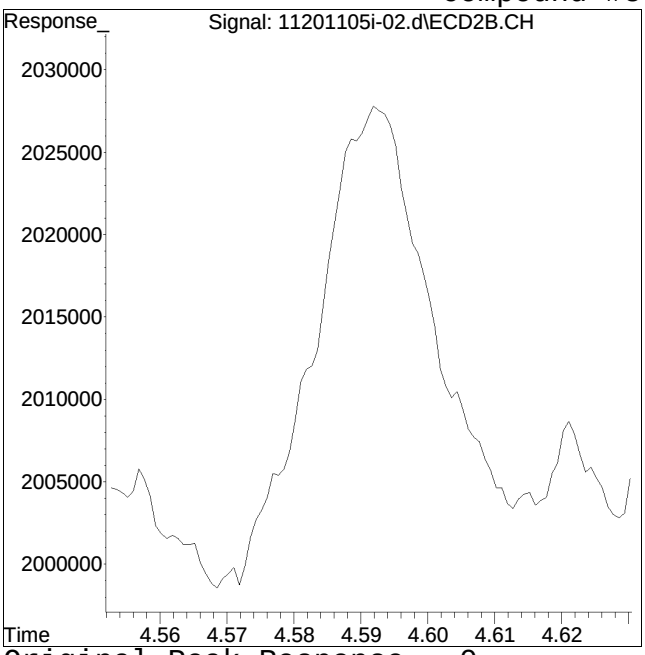


Original Peak Response = 0 Manual Peak Response = 414521 M2
M2 = Peak not found by automatic integration algorithm.

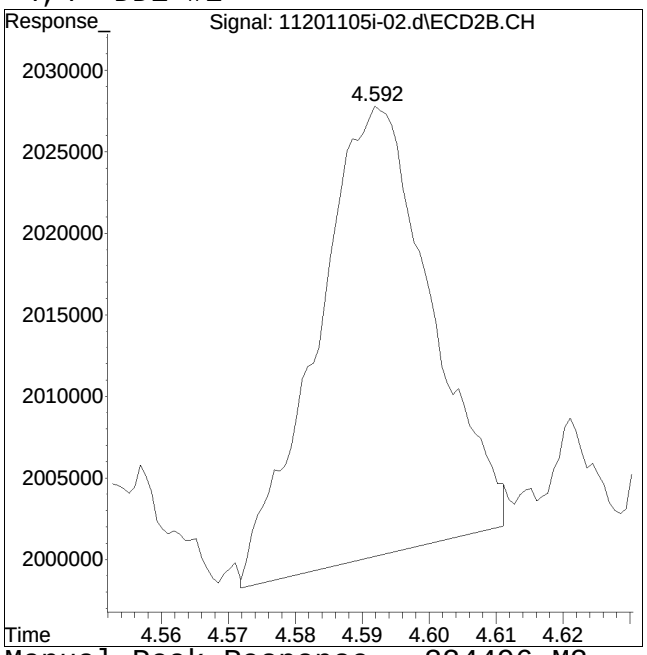
Manual Integration Report

Data Path : I:\Pest11\201105ICAL\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201105i-02.d Operator : PEST11:kb
Date Inj'd : 11/5/2020 4:43 pm Instrument : Pest 11
Sample : pem11201105a01,42ee,,deg pQuant Date : 11/6/2020 3:47 pm

Compound #53: 4,4'-DDE #2



Original Peak Response = 0



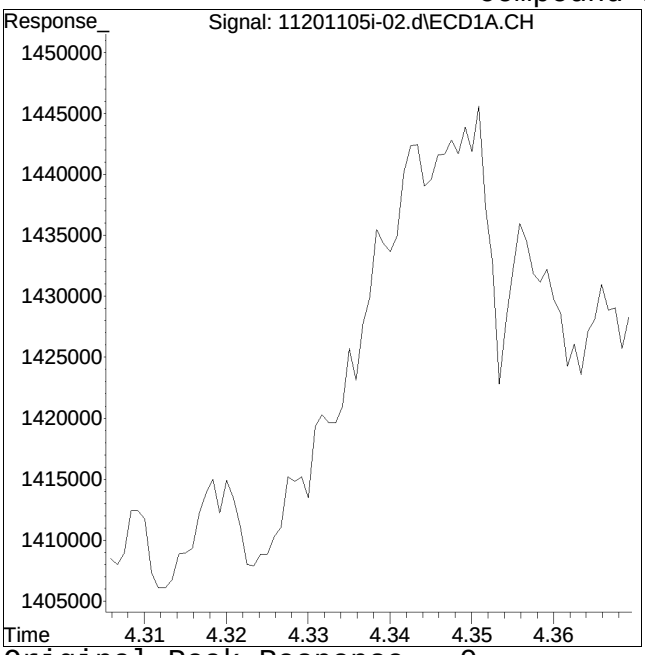
Manual Peak Response = 324496 M2

M2 = Peak not found by automatic integration algorithm.

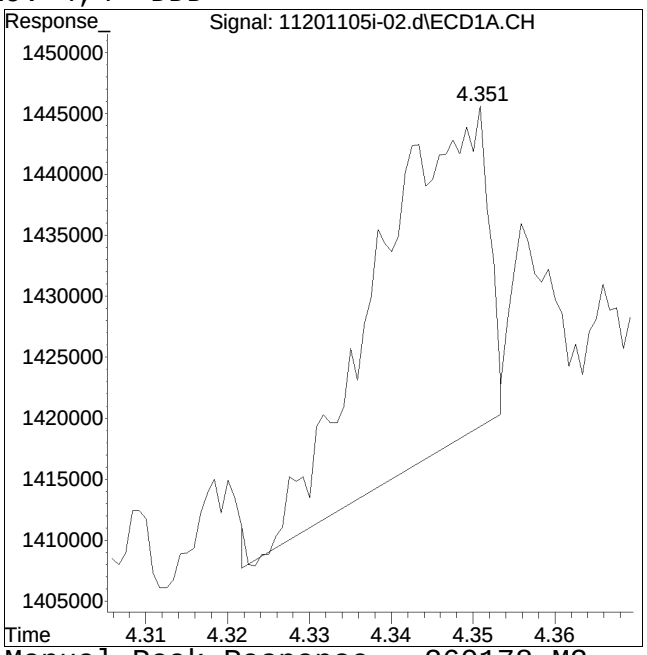
Manual Integration Report

Data Path : I:\Pest11\201105ICAL\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201105i-02.d Operator : PEST11:kb
Date Inj'd : 11/5/2020 4:43 pm Instrument : Pest 11
Sample : pem11201105a01,42ee,,deg pQuant Date : 11/6/2020 3:47 pm

Compound #19: 4,4'-DDD



Original Peak Response = 0



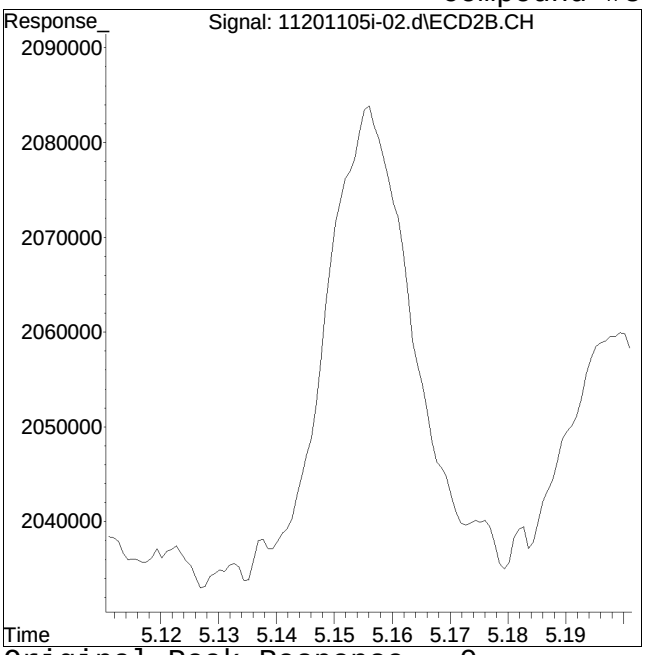
Manual Peak Response = 260178 M2

M2 = Peak not found by automatic integration algorithm.

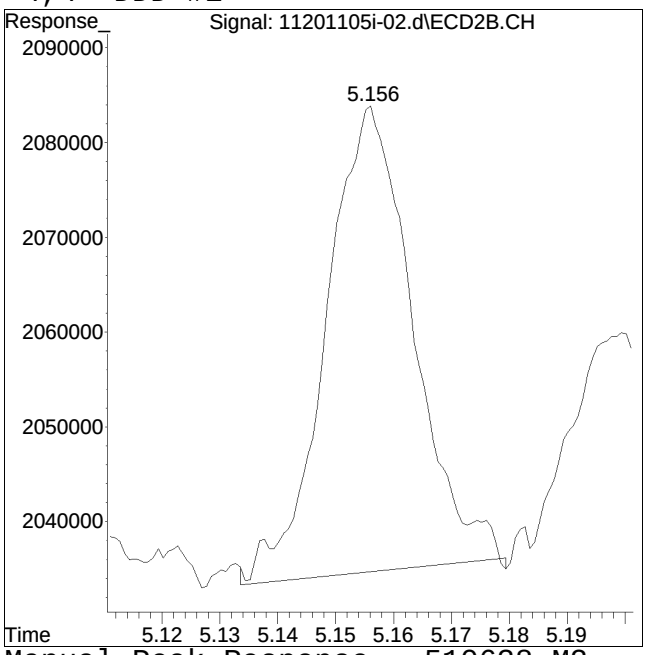
Manual Integration Report

Data Path : I:\Pest11\201105ICAL\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201105i-02.d Operator : PEST11:kb
Date Inj'd : 11/5/2020 4:43 pm Instrument : Pest 11
Sample : pem11201105a01,42ee,,deg pQuant Date : 11/6/2020 3:47 pm

Compound #57: 4,4'-DDD #2



Original Peak Response = 0



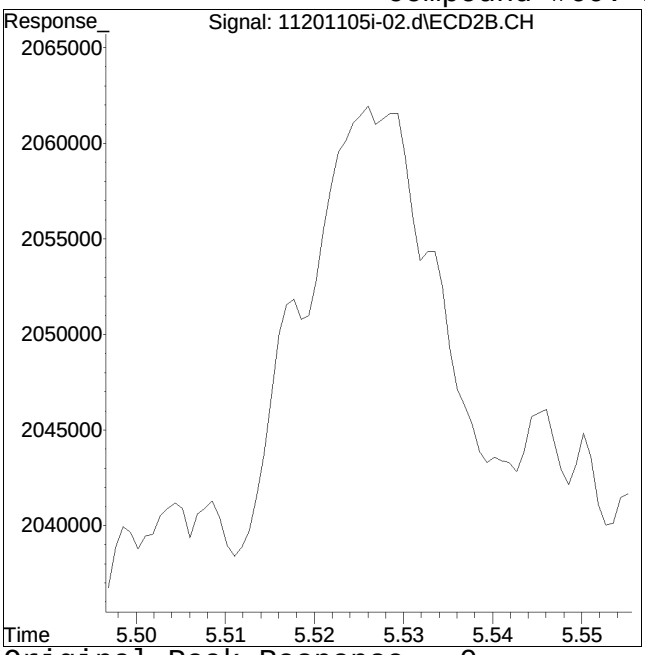
Manual Peak Response = 510638 M2

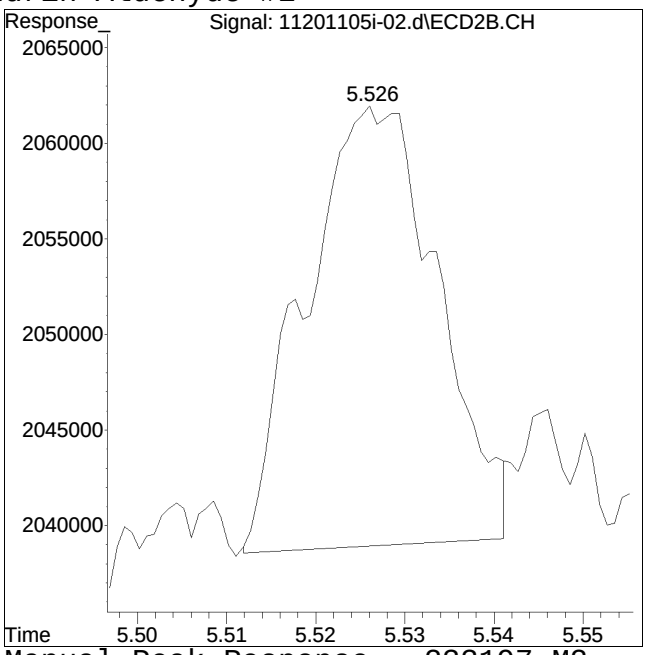
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest11\201105ICAL\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201105i-02.d Operator : PEST11:kb
Date Inj'd : 11/5/2020 4:43 pm Instrument : Pest 11
Sample : pem11201105a01,42ee,,deg pQuant Date : 11/6/2020 3:47 pm

Compound #60: Endrin Aldehyde #2



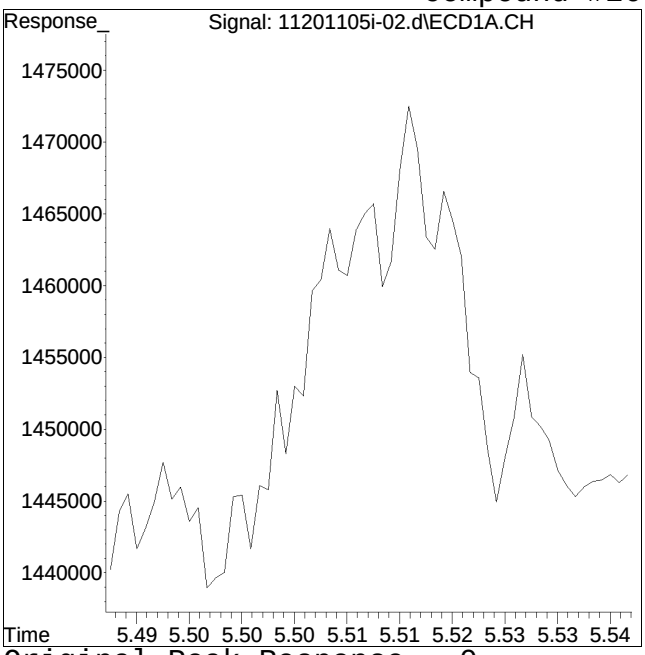


Original Peak Response = 0 Manual Peak Response = 233197 M2
M2 = Peak not found by automatic integration algorithm.

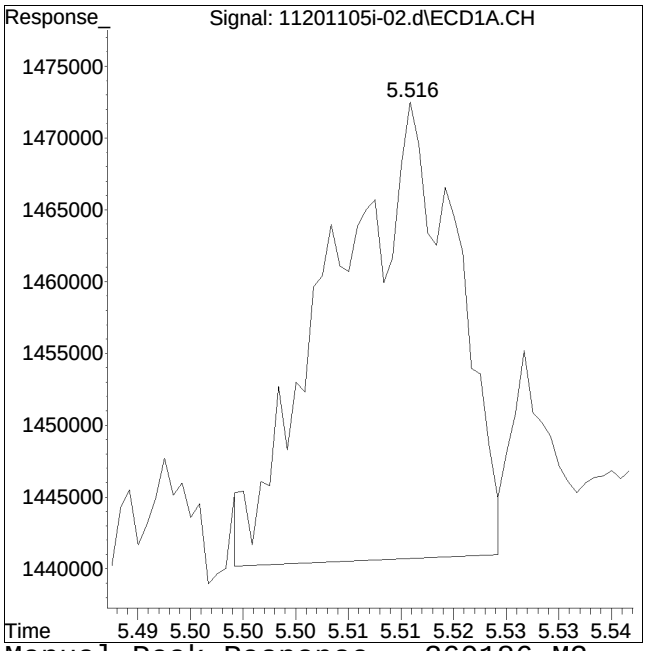
Manual Integration Report

Data Path : I:\Pest11\201105ICAL\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201105i-02.d Operator : PEST11:kb
Date Inj'd : 11/5/2020 4:43 pm Instrument : Pest 11
Sample : pem11201105a01,42ee,,deg pQuant Date : 11/6/2020 3:47 pm

Compound #26: Endrin Ketone



Original Peak Response = 0



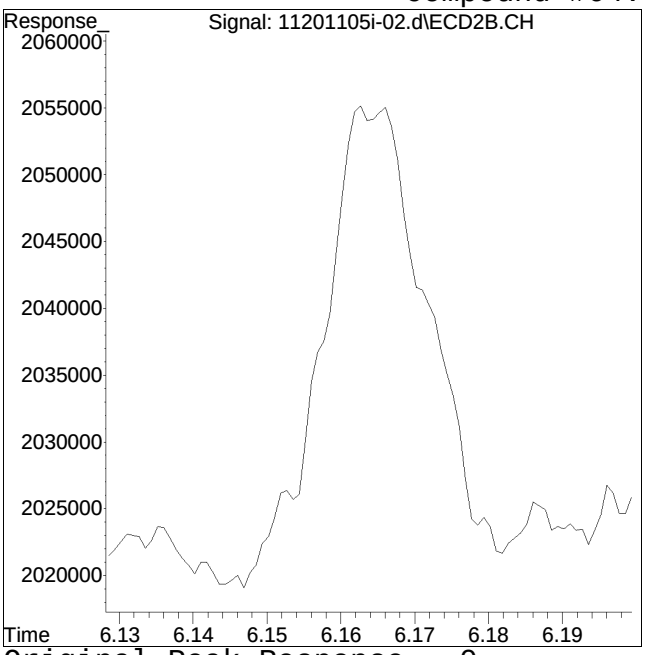
Manual Peak Response = 260186 M2

M2 = Peak not found by automatic integration algorithm.

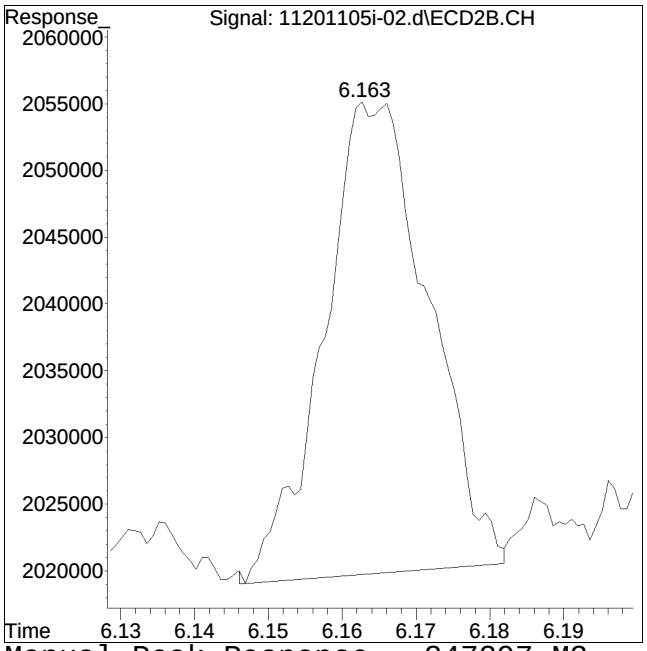
Manual Integration Report

Data Path : I:\Pest11\201105ICAL\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201105i-02.d Operator : PEST11:kb
Date Inj'd : 11/5/2020 4:43 pm Instrument : Pest 11
Sample : pem11201105a01,42ee,,deg pQuant Date : 11/6/2020 3:47 pm

Compound #64: Endrin Ketone #2



Original Peak Response = 0



Manual Peak Response = 347297 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 4:54 pm
Operator : PEST11:kb
Sample : il1pest,42e,, pp10032
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:03:45 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:03:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.324	1.437	44389970	72507440	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	2.182	2.649	1433347	2497721	0.577	0.616
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 4:54 pm
Operator : PEST11:kb
Sample : il1pest,42e,, pp10032
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:03:45 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:03:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

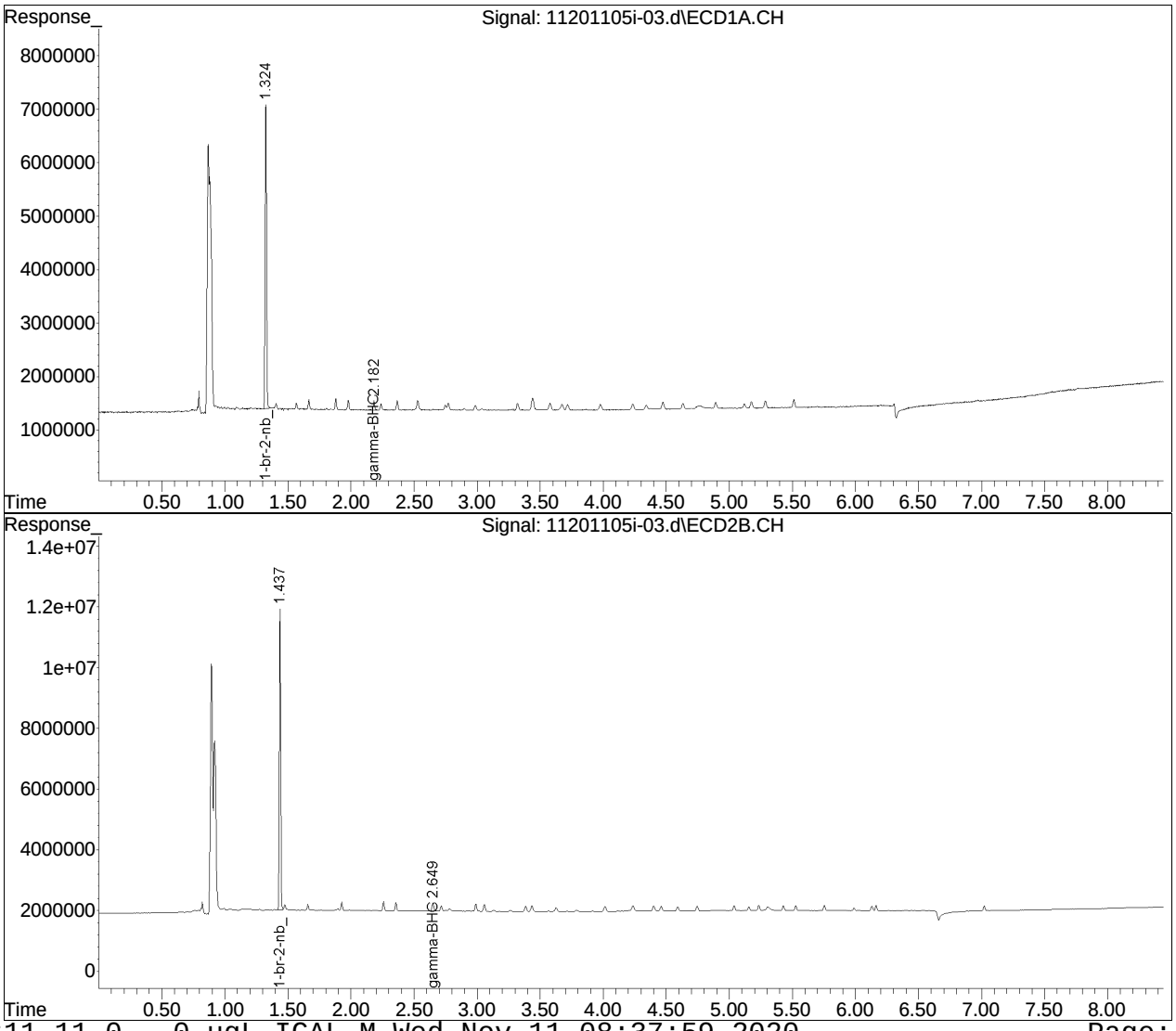
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 4:54 pm
Operator : PEST11:kb
Sample : il1pest,42e,, pp10032
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:03:45 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:03:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest11\201105ICAL\	QMethod	: pest11_11_05_20_ugL_ICAL
Data File	: 11201105i-03.d	Operator	: PEST11:kb
Date Inj'd	: 11/5/2020 4:54 pm	Instrument	: Pest 11
Sample	: il1pest,42e,, pp10032	Quant Date	: 11/6/2020 2:03 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 5:05 pm
Operator : PEST11:kb
Sample : il2pest,42e,, pp10031
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 15:19:56 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 15:19:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
	Internal Standards							
1) i	1-br-2-nb_Pe	1.325	1.436	45814002	73614593	25.000	25.000	
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d	
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d	
	System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.668	1.927	2715816	4174124	1.189	1.159	
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.38%#	2.32%#	
27) s	Decachlorobi	6.310	7.022	3460270	3345984	N.D.	0.537	
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	1.07%#	
	Target Compounds							
3) t	Hexachlorobe	1.883	2.259	3155017	4964936	1.221M4	1.207	
4) t	alpha-BHC	1.983	2.357	3016741	4521698	1.130	1.054	
5) t	gamma-BHC (l	2.187	2.651	2907544	4876536	1.116	1.158	
6) t	beta-BHC	2.243	2.717	2124376	3060449	0.282	1.418	D
7) t	delta-BHC	2.372	2.992	3108676	4664851	1.215	1.174	
8) t	Heptachlor	2.534	3.060	3377413	4830904	1.241M4	1.160	
9) t	Aldrin	2.777	3.387	2592205	3874986	1.117M4	1.114	
10) t	Alachlor	2.903	3.267	497215	811213	1.074M2	1.168M2	
11) t	Chlorpyrifos	2.993	3.629	2122372	3176151	0.848	0.901	
12) t	Heptachlor E	3.327	4.017	2884272	4209952	1.181	1.174	
13) t	gamma-Chlord	3.450	4.238	4171441	4346332	0.777	1.202M4	D
14) t	alpha-Chlord	3.586	4.403	3102347	4159566	0.410	1.224	D
15) t	4,4'-DDE	3.682	4.593	2734312	3517858	0.929	1.141	
16) t	Endosulfan I	3.724	4.463	2747626	3891899	0.707	1.222	D
17) t	Dieldrin	3.985	4.748	2835032	3683024	1.220	1.167	
18) t	Endrin	4.242	5.041	2772956	3784001	1.161	1.187	
19) t	4,4'-DDD	4.349	5.157	2274005	2928968	1.226	1.211	
20) t	Endosulfan I	4.480	5.236	3218417	3833301	0.574	1.337	D
21) t	4,4'-DDT	4.639	5.431	2784783	3441016	1.284	1.283	
22) t	Endrin Aldeh	4.898	5.528	2415964	3003988	1.252	1.268	

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 5:05 pm
Operator : PEST11:kb
Sample : il2pest,42e,, pp10031
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 15:19:56 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 15:19:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
23) t	Methoxychlor	5.125	5.990	2042727	2209408	0.051	1.492	D
24) t	Mirex	5.181	6.132	3616097	3678158	0.844	0.901	
25) t	Endosulfan S	5.291	5.755	3429040	3922625	0.686	0.884	
26) t	Endrin Keton	5.517	6.166	3682540	3924522	1.449	1.388	
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d	
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d	
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d	
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	chlordane-1			0	0	N.D.	N.D.	
Average	chlordane-1					0.000	0.000	
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d	
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d	
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d	
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	toxaphene-2			0	0	N.D.	N.D.	
Average	toxaphene-2					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.	
Average	toxaphene-2					0.000	0.000	

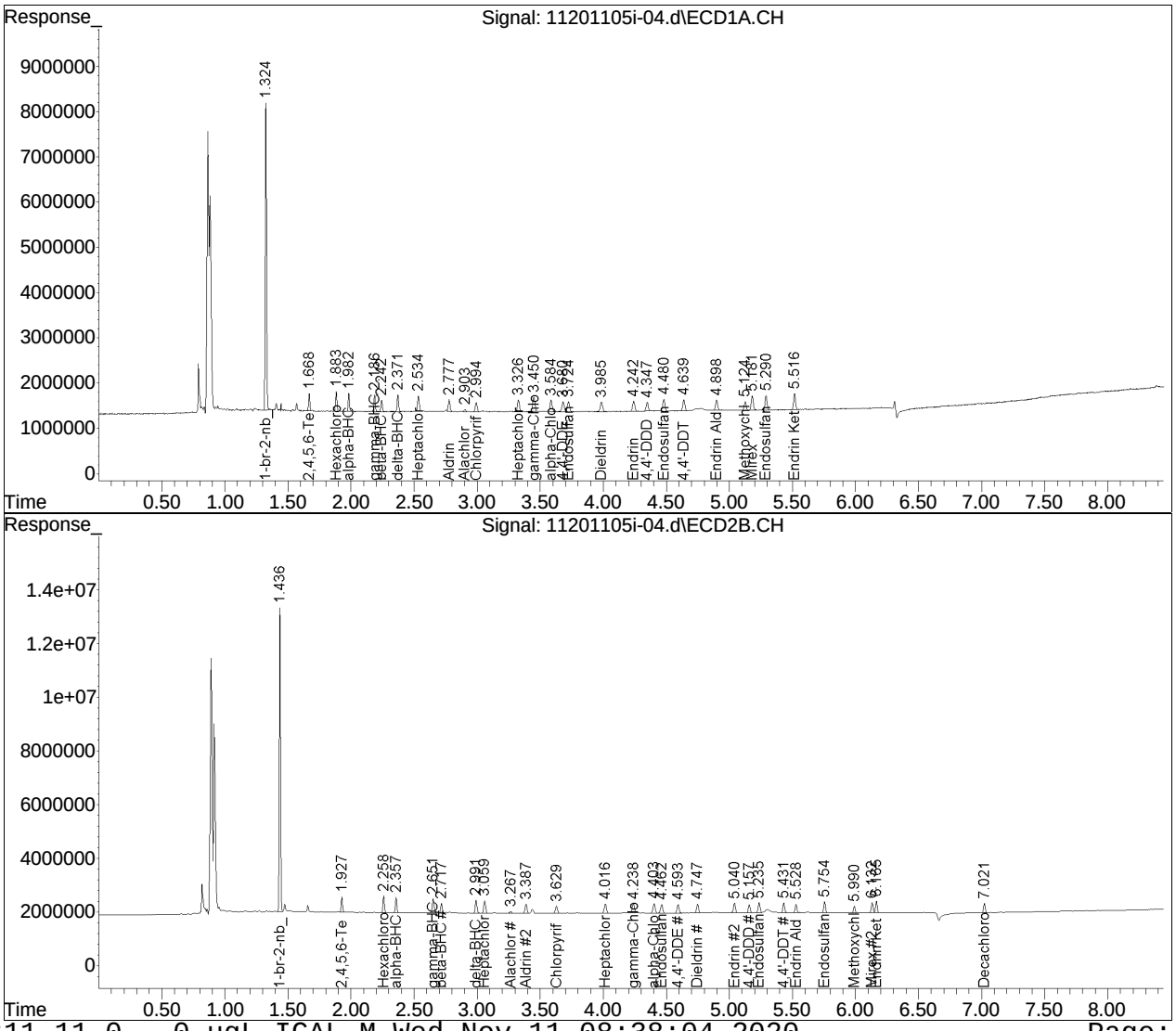
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 5:05 pm
Operator : PEST11:kb
Sample : il2pest,42e,, pp10031
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 15:19:56 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 15:19:52 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

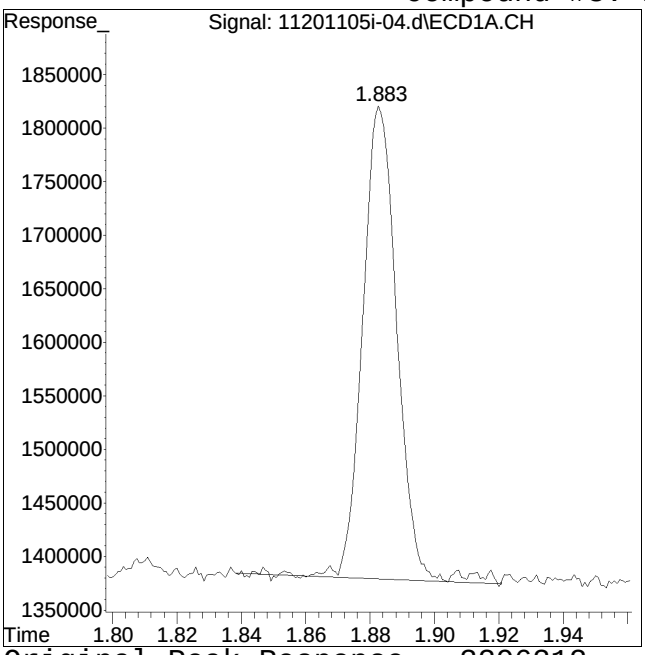


Manual Integration Report

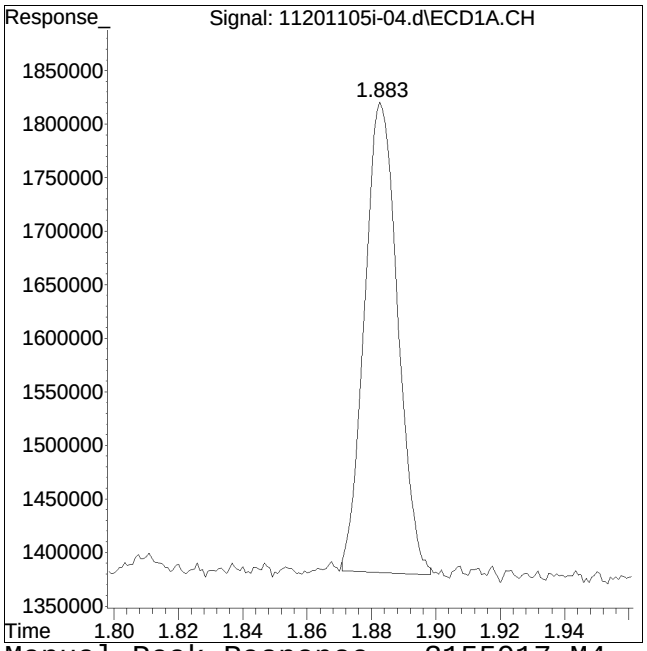
Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-04.d
Date Inj'd : 11/5/2020 5:05 pm
Sample : il2pest,42e,, pp10031

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:kb
Instrument : Pest 11
Quant Date : 11/6/2020 3:19 pm

Compound #3: Hexachlorobenzene



Original Peak Response = 3296212



Manual Peak Response = 3155017 M4

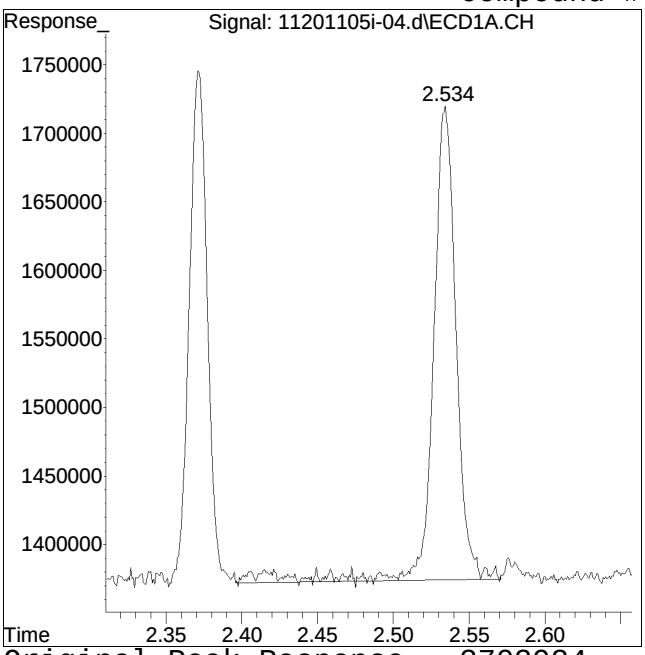
M4 = Poor automated baseline construction.

Manual Integration Report

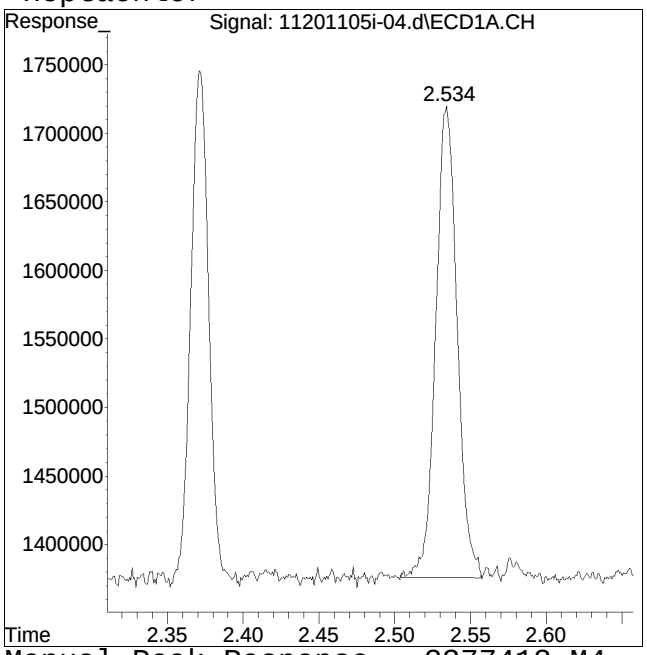
Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-04.d
Date Inj'd : 11/5/2020 5:05 pm
Sample : il2pest,42e,, pp10031

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:kb
Instrument : Pest 11
Quant Date : 11/6/2020 3:19 pm

Compound #8: Heptachlor



Original Peak Response = 3703924



Manual Peak Response = 3377413 M4

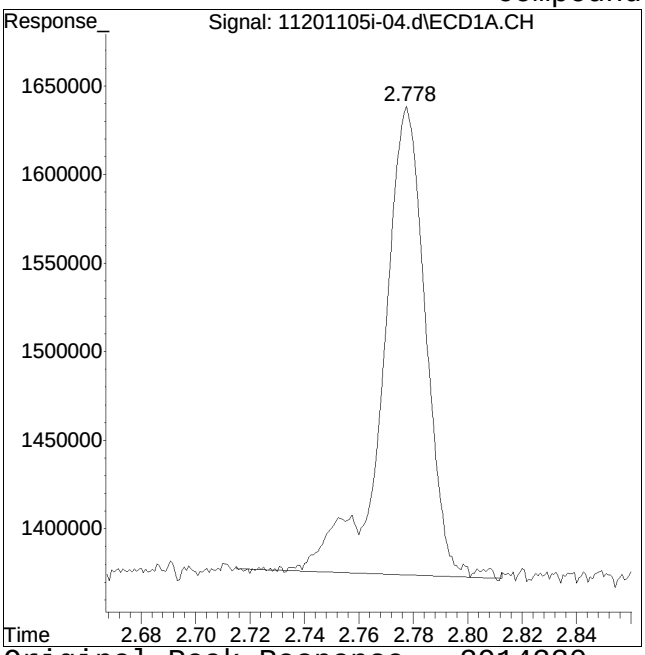
M4 = Poor automated baseline construction.

Manual Integration Report

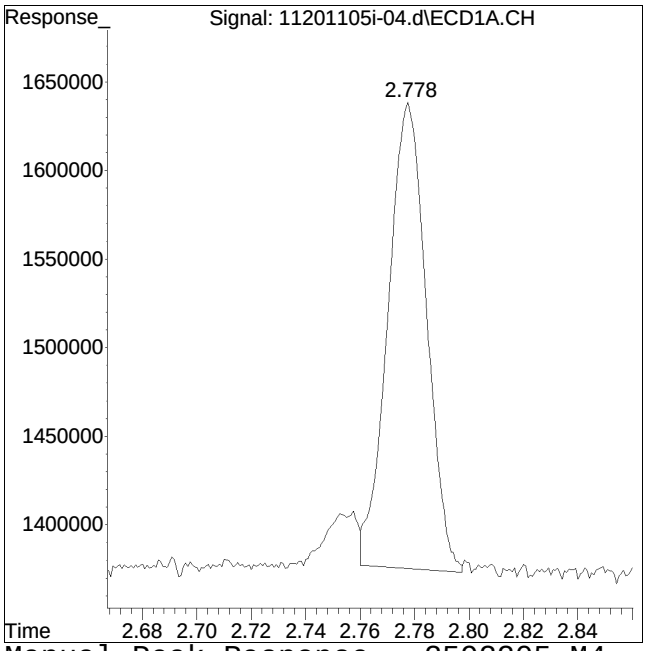
Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-04.d
Date Inj'd : 11/5/2020 5:05 pm
Sample : il2pest,42e,, pp10031

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:kb
Instrument : Pest 11
Quant Date : 11/6/2020 3:19 pm

Compound #9: Aldrin



Original Peak Response = 2914330



Manual Peak Response = 2592205 M4

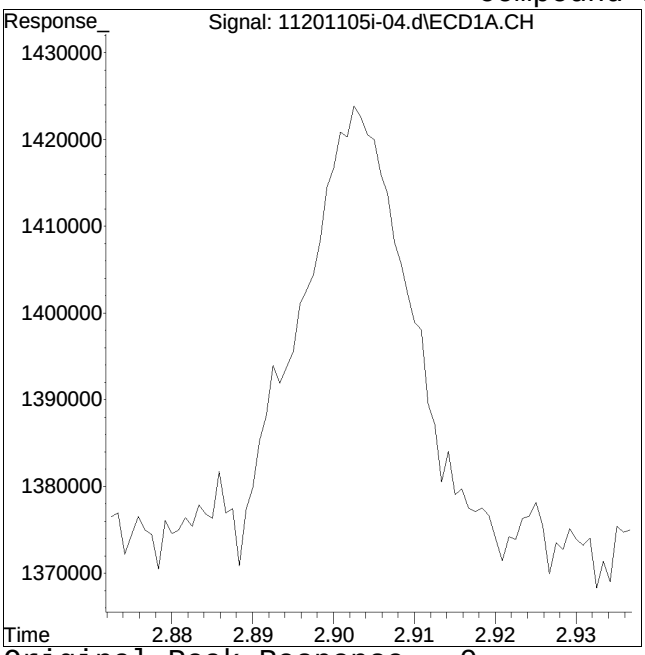
M4 = Poor automated baseline construction.

Manual Integration Report

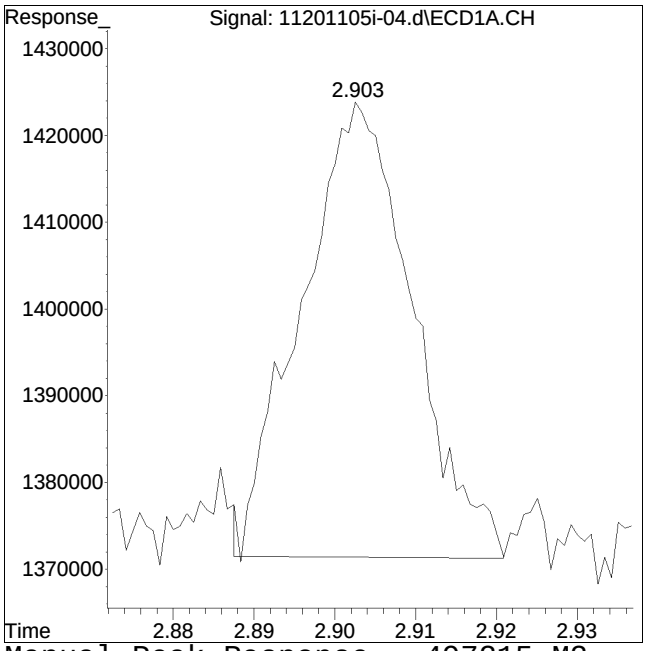
Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-04.d
Date Inj'd : 11/5/2020 5:05 pm
Sample : il2pest,42e,, pp10031

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:kb
Instrument : Pest 11
Quant Date : 11/6/2020 3:19 pm

Compound #10: Alachlor



Original Peak Response = 0



Manual Peak Response = 497215 M2

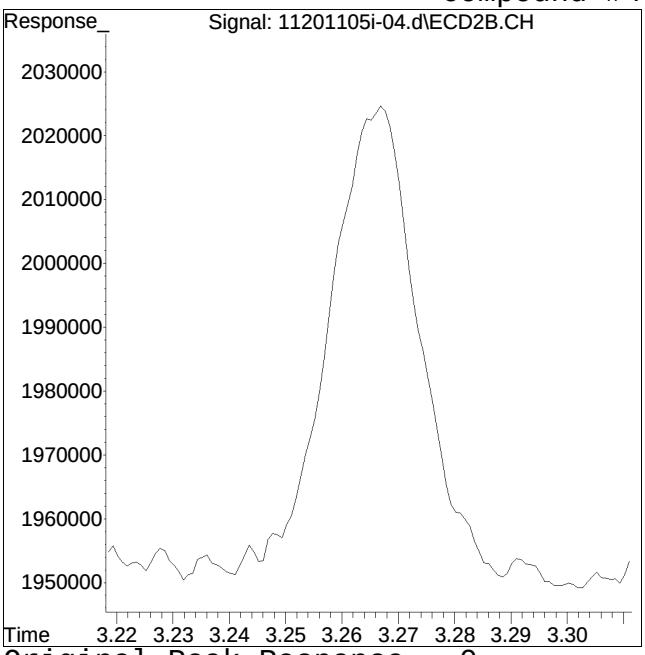
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

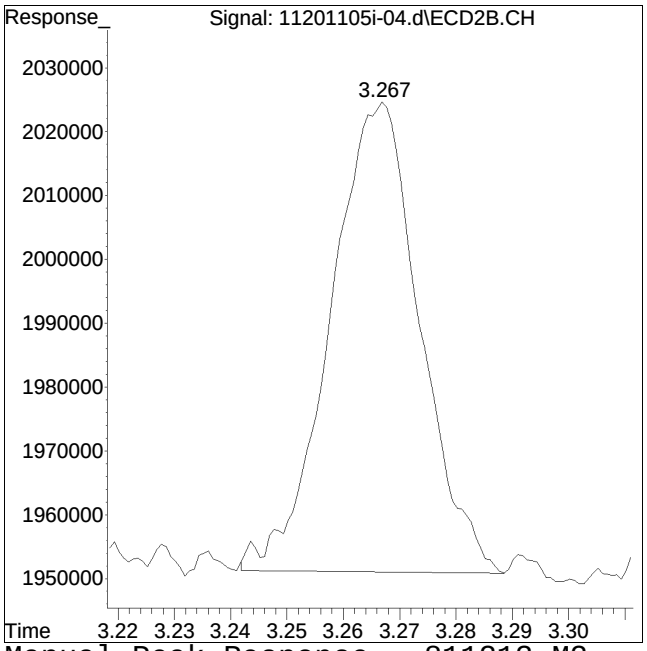
Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-04.d
Date Inj'd : 11/5/2020 5:05 pm
Sample : il2pest,42e,, pp10031

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:kb
Instrument : Pest 11
Quant Date : 11/6/2020 3:19 pm

Compound #48: Alachlor #2



Original Peak Response = 0



Manual Peak Response = 811213 M2

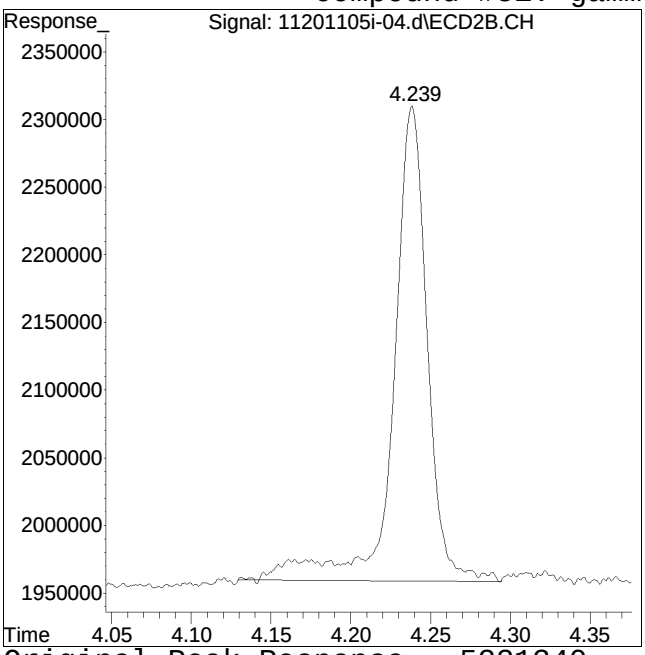
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

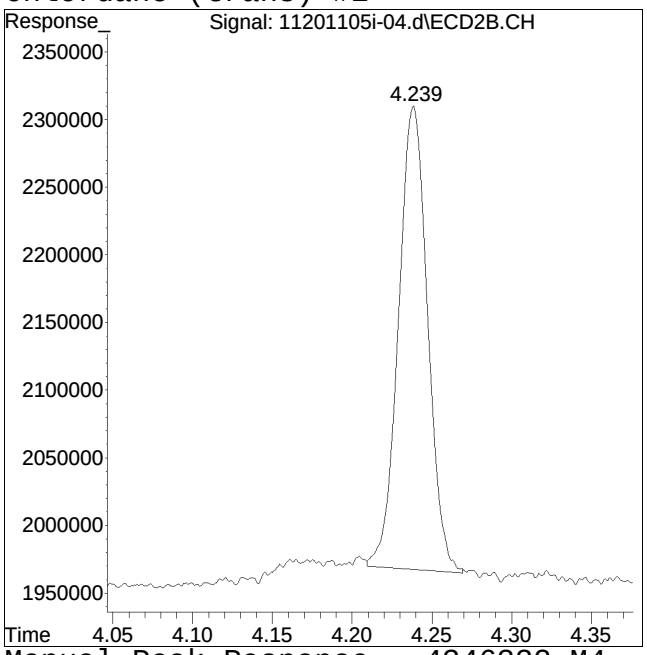
Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-04.d
Date Inj'd : 11/5/2020 5:05 pm
Sample : il2pest,42e,, pp10031

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:kb
Instrument : Pest 11
Quant Date : 11/6/2020 3:19 pm

Compound #51: gamma-Chlordane (trans) #2



Original Peak Response = 5221340



Manual Peak Response = 4346332 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 5:16 pm
Operator : PEST11:kb
Sample : il3pest,42e,, pp10030
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 15:20:36 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 15:20:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
	Internal Standards							
1) i	1-br-2-nb_Pe	1.323	1.435	46444656	74392345	25.000	25.000	
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d	
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d	
	System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.665	1.926	5489977	7977127	2.371	2.192	
	Spiked Amount 50.000	Range 30 - 150		Recovery =		4.74%#	4.38%#	
27) s	Decachlorobi	6.310	7.020	6468674	7096996	1.442	2.332	
	Spiked Amount 50.000	Range 30 - 150		Recovery =		2.88%#	4.66%#	
	Target Compounds							
3) t	Hexachlorobe	1.879	2.257	6029203	9532088	2.301M4	2.292	
4) t	alpha-BHC	1.979	2.356	5888647	8689266	2.176	2.005	
5) t	gamma-BHC (l	2.182	2.650	5636759	8693276	2.135	2.043	
6) t	beta-BHC	2.238	2.716	3548598	5124368	1.569	2.349	
7) t	delta-BHC	2.367	2.990	5767993	8294762	2.225	2.066	
8) t	Heptachlor	2.529	3.058	6519699	9328715	2.362	2.217	
9) t	Aldrin	2.772	3.385	5445760	7701432	2.314	2.190	
10) t	Alachlor	2.897	3.264	1224531	1701014	2.610	2.424	
11) t	Chlorpyrifos	2.987	3.627	4191990	6081372	2.148	2.119	
12) t	Heptachlor E	3.322	4.014	5785672	8167444	2.337	2.253	
13) t	gamma-Chlord	3.444	4.236	6390278	8912376	1.813	2.439	
14) t	alpha-Chlord	3.580	4.401	6049316	7949471	1.823	2.315	
15) t	4,4'-DDE	3.676	4.591	5317826	6835816	2.148	2.194	
16) t	Endosulfan I	3.719	4.460	5273290	7194915	2.010	2.236	
17) t	Dieldrin	3.980	4.745	5342234	7179344	2.268	2.251	
18) t	Endrin	4.236	5.039	5584248	7331525	2.306	2.276	
19) t	4,4'-DDD	4.342	5.156	4513055	5721208	2.400	2.342	
20) t	Endosulfan I	4.475	5.234	5873469	7087754	1.951M4	2.447	
21) t	4,4'-DDT	4.634	5.429	5617632	6576203	2.556	2.426	
22) t	Endrin Aldeh	4.894	5.527	5052698	5740146	2.583	2.397	
23) t	Methoxychlor	5.121	5.989	3750576	4062164	1.603M4	2.714	D

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 5:16 pm
Operator : PEST11:kb
Sample : il3pest,42e,, pp10030
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 15:20:36 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 15:20:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	5.177	6.131	6767194	6817802	2.292	2.220
25) t	Endosulfan S	5.287	5.753	6452752	6894160	2.254	2.159
26) t	Endrin Keton	5.513	6.164	6547945	7084422	2.542	2.479
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

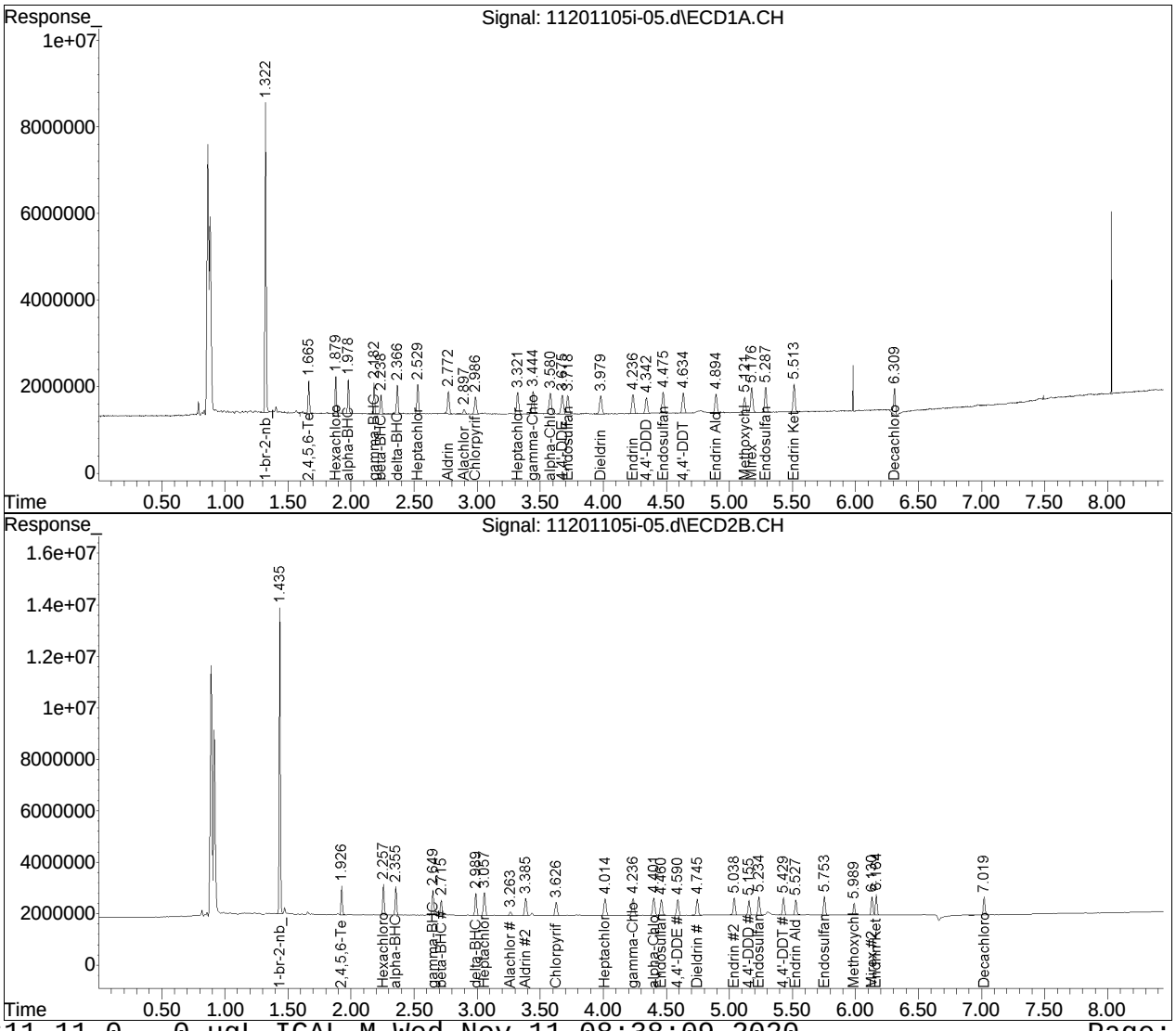
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-05.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 5:16 pm
Operator : PEST11:kb
Sample : il3pest,42e,, pp10030
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 15:20:36 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 15:20:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

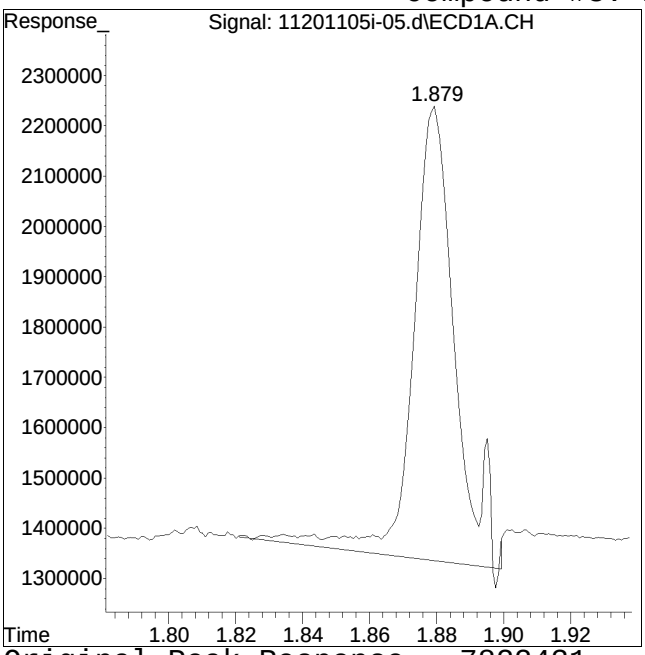


Manual Integration Report

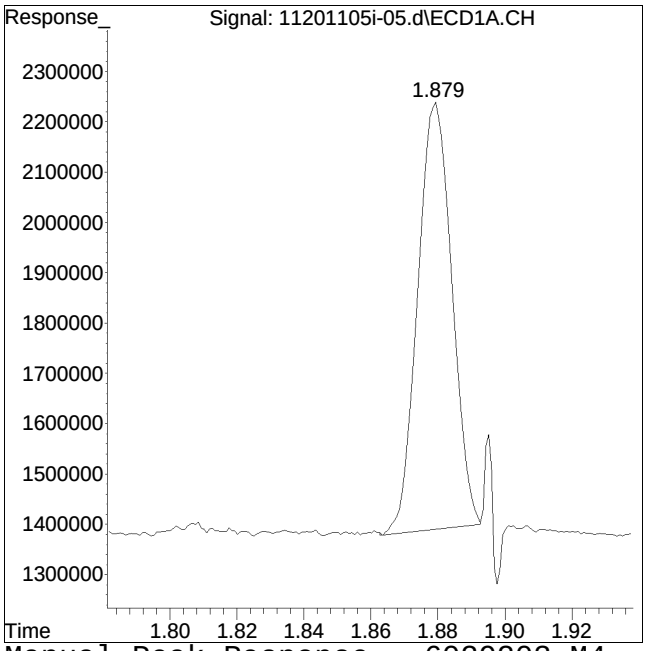
Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-05.d
Date Inj'd : 11/5/2020 5:16 pm
Sample : il3pest,42e,, pp10030

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:kb
Instrument : Pest 11
Quant Date : 11/6/2020 3:20 pm

Compound #3: Hexachlorobenzene



Original Peak Response = 7822431



Manual Peak Response = 6029203 M4

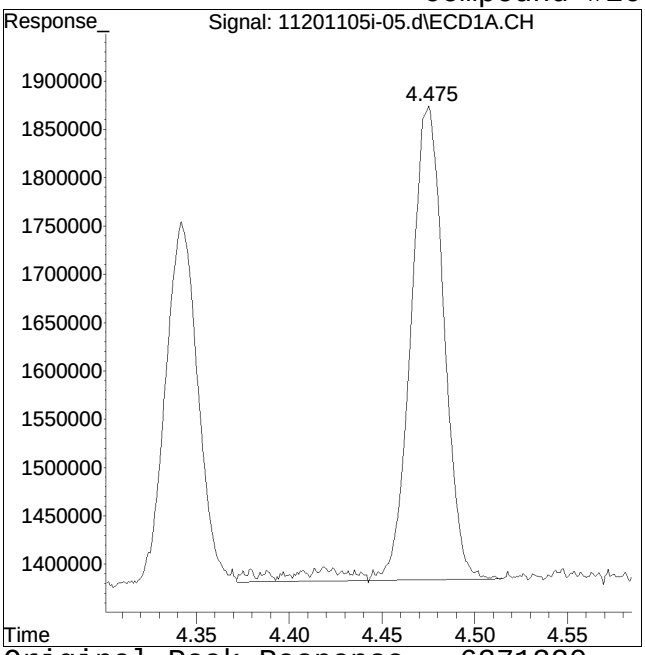
M4 = Poor automated baseline construction.

Manual Integration Report

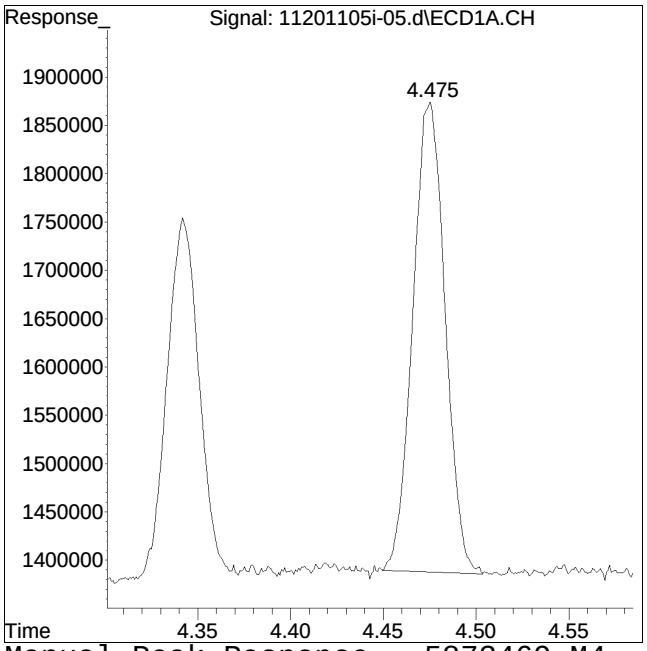
Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-05.d
Date Inj'd : 11/5/2020 5:16 pm
Sample : il3pest,42e,, pp10030

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:kb
Instrument : Pest 11
Quant Date : 11/6/2020 3:20 pm

Compound #20: Endosulfan II



Original Peak Response = 6371320



Manual Peak Response = 5873469 M4

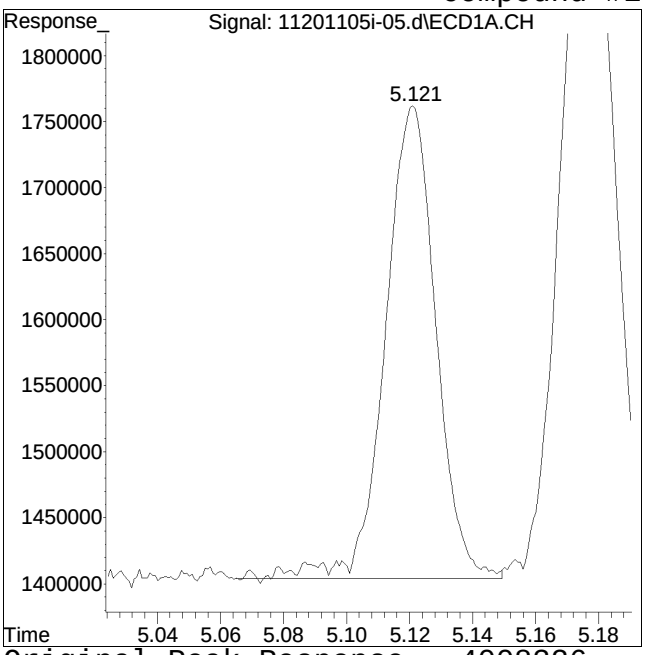
M4 = Poor automated baseline construction.

Manual Integration Report

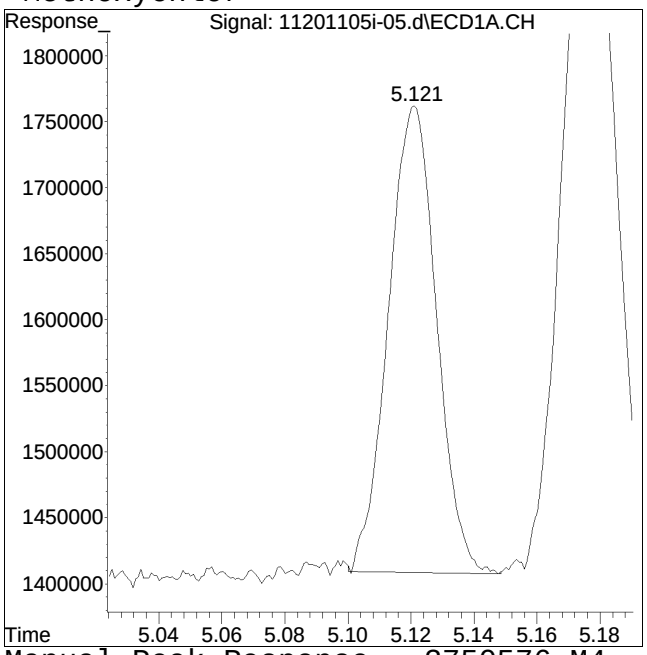
Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-05.d
Date Inj'd : 11/5/2020 5:16 pm
Sample : il3pest,42e,, pp10030

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:kb
Instrument : Pest 11
Quant Date : 11/6/2020 3:20 pm

Compound #23: Methoxychlor



Original Peak Response = 4008326



Manual Peak Response = 3750576 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 5:27 pm
Operator : PEST11:kb
Sample : il4pest,42e,, pp10170
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 15:21:00 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 15:20:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.325	1.437	43137506	68773472	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.667	1.928	7357216	10585888	3.421	3.147
	Spiked Amount 50.000	Range 30 - 150		Recovery =		6.84%#	6.29%#
27) s	Decachlorobi	6.311	7.020	7007356	7640371	2.040	2.896
	Spiked Amount 50.000	Range 30 - 150		Recovery =		4.08%#	5.79%#
	Target Compounds						
3) t	Hexachlorobe	1.881	2.259	8247384	12541710	3.390	3.262
4) t	alpha-BHC	1.980	2.357	7745072	11803852	3.081	2.946
5) t	gamma-BHC (l	2.183	2.651	7552607	11595768	3.080	2.948
6) t	beta-BHC	2.239	2.717	4545440	6625224	2.811	3.285
7) t	delta-BHC	2.368	2.991	7212249	10887170	2.995	2.934
8) t	Heptachlor	2.530	3.059	8465972	11960558	3.303	3.074
9) t	Aldrin	2.773	3.386	6998144	9663760	3.202	2.973
10) t	Alachlor	2.899	3.265	1356619	2085108	3.113	3.214
11) t	Chlorpyrifos	2.987	3.627	5160835	7434034	3.024	2.955
12) t	Heptachlor E	3.322	4.015	7407296	10421821	3.221	3.110
13) t	gamma-Chlord	3.445	4.237	8136888	10967998	2.948	3.247
14) t	alpha-Chlord	3.581	4.401	7537366	10026055	2.828	3.158
15) t	4,4'-DDE	3.676	4.591	6494435	8204510	2.950	2.848
16) t	Endosulfan I	3.719	4.462	6808609	9061792	3.088	3.046
17) t	Dieldrin	3.980	4.746	6791912	8771288	3.104	2.974
18) t	Endrin	4.236	5.039	6811546	8914570	3.029	2.994
19) t	4,4'-DDD	4.343	5.156	5121182	6358277	2.932	2.815
20) t	Endosulfan I	4.475	5.235	6795501	8149982	2.712	3.044
21) t	4,4'-DDT	4.635	5.429	6150997	7385271	3.013	2.947
22) t	Endrin Aldeh	4.894	5.527	5771571	6951784	3.177	3.141
23) t	Methoxychlor	5.121	5.989	4347018	4500816	2.462	3.253

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 5:27 pm
Operator : PEST11:kb
Sample : il4pest,42e,, pp10170
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 15:21:00 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 15:20:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	5.178	6.131	7481738	7693752	2.897	2.863
25) t	Endosulfan S	5.288	5.753	7105996	7724434	2.885	2.794
26) t	Endrin Keton	5.514	6.165	7719420	8067464	3.227	3.054
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

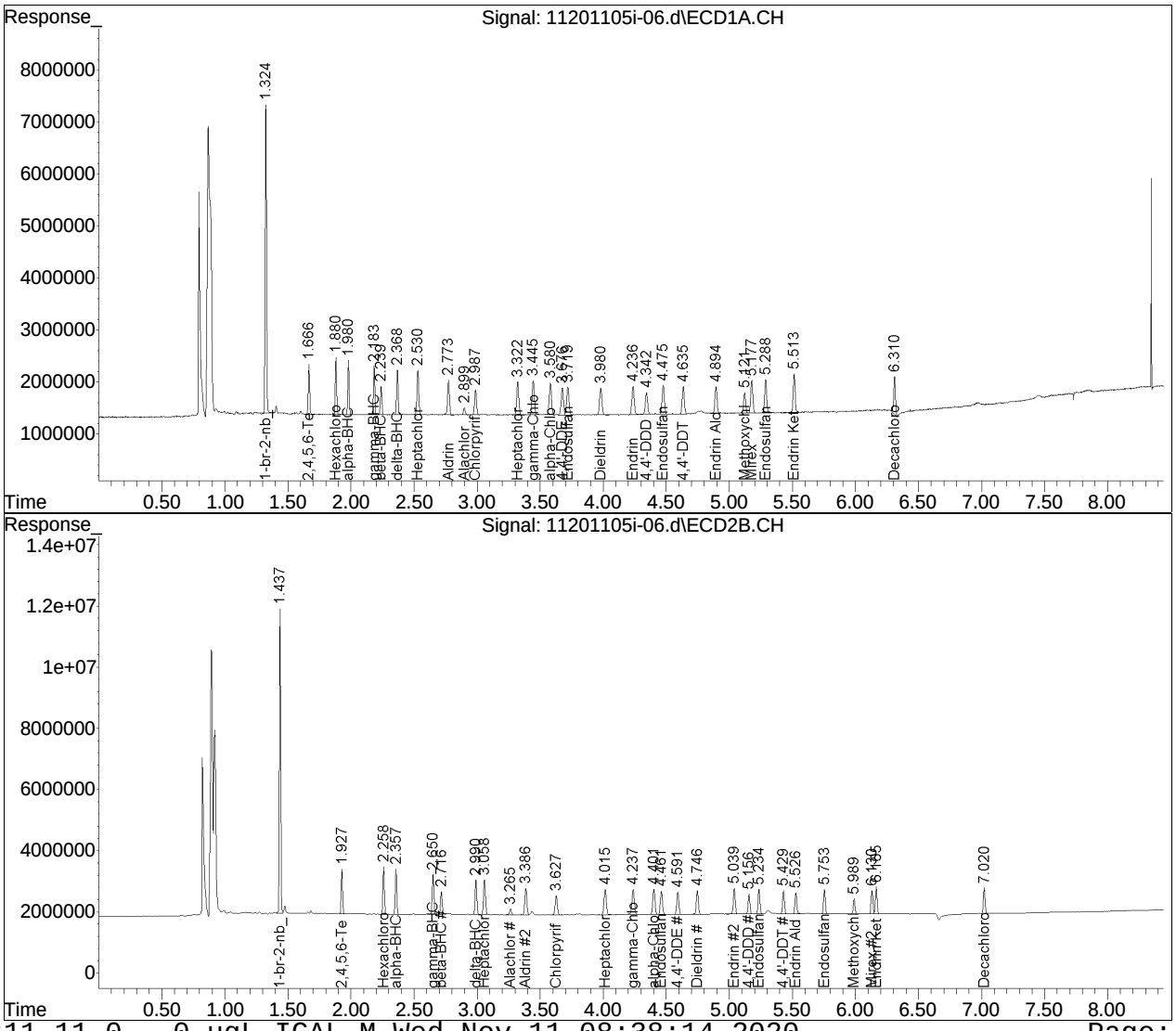
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 5:27 pm
Operator : PEST11:kb
Sample : il4pest,42e,, pp10170
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 15:21:00 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 15:20:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest11\201105ICAL\	QMethod	: pest11_11_05_20_ugL_ICAL
Data File	: 11201105i-06.d	Operator	: PEST11:kb
Date Inj'd	: 11/5/2020 5:27 pm	Instrument	: Pest 11
Sample	: il4pest,42e,, pp10170	Quant Date	: 11/6/2020 3:20 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 5:38 pm
Operator : PEST11:kb
Sample : il5pest,42e,, pp10028
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:55:14 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 13:54:08 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.327	1.438	44213717	68820023	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.670	1.929	8950040	13872124	4.542	4.416
	Spiked Amount 50.000	Range 30 - 150		Recovery =		9.08%#	8.83%#
27) s	Decachlorobi	6.314	7.022	8968342	9777016	4.460	4.480
	Spiked Amount 50.000	Range 30 - 150		Recovery =		8.92%#	8.96%#
	Target Compounds						
3) t	Hexachlorobe	1.885	2.260	10741733	16307400	4.870	4.710
4) t	alpha-BHC	1.985	2.359	9928623	15518771	4.022	3.875
5) t	gamma-BHC (l	2.188	2.653	9789796	14960592	4.162	4.058
6) t	beta-BHC	2.244	2.719	5854396	8794008	4.845	4.694
7) t	delta-BHC	2.373	2.994	9519864	14164887	4.094	3.923
8) t	Heptachlor	2.536	3.061	10436470	15516360	4.429	4.231
9) t	Aldrin	2.780	3.389	8886399	12355860	4.249	3.916
10) t	Alachlor	2.904	3.268	1866974	2734740	4.605	4.684
11) t	Chlorpyrifos	2.994	3.630	6644649	9560312	4.927	4.783
12) t	Heptachlor E	3.329	4.018	9618319	13374705	4.478	4.275
13) t	gamma-Chlord	3.452	4.240	9942619	13649312	4.475	4.306
14) t	alpha-Chlord	3.588	4.405	9795096	12790581	4.509	4.208
15) t	4,4'-DDE	3.684	4.594	8160690	10642360	3.933	3.775
16) t	Endosulfan I	3.727	4.464	8711246	11668692	4.359	4.201
17) t	Dieldrin	3.988	4.749	8687755	11258008	4.172	4.005
18) t	Endrin	4.243	5.042	8858060	11369590	4.075	4.039
19) t	4,4'-DDD	4.350	5.158	6657648	8299344	3.985	3.856
20) t	Endosulfan I	4.482	5.237	8852107	10715482	4.405	4.199
21) t	4,4'-DDT	4.641	5.432	8144936	9489728	4.102	3.894
22) t	Endrin Aldeh	4.900	5.529	7295489	8758959	4.195	4.149
23) t	Methoxychlor	5.126	5.991	5487621	5694665	4.486	4.208

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 5:38 pm
Operator : PEST11:kb
Sample : il5pest,42e,, pp10028
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:55:14 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 13:54:08 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	5.182	6.132	9498017	9692573	4.890	4.677
25) t	Endosulfan S	5.292	5.756	8973618	9862572	4.391	4.264
26) t	Endrin Keton	5.518	6.166	9714384	10305704	4.248	4.089
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

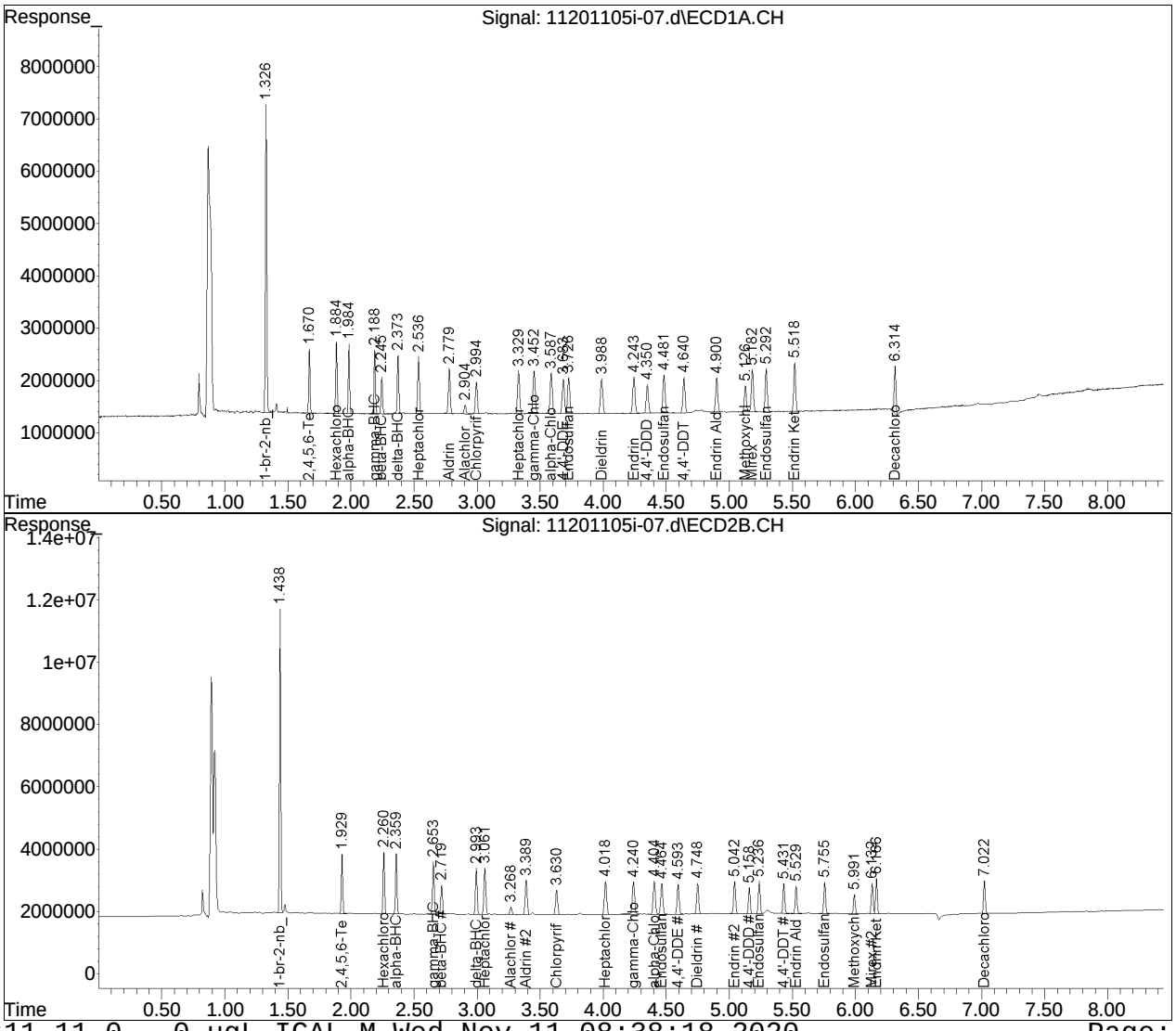
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-07.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 5:38 pm
Operator : PEST11:kb
Sample : il5pest,42e,, pp10028
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:55:14 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 13:54:08 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest11\201105ICAL\	QMethod	: pest11_11_05_20_ugL_ICAL
Data File	: 11201105i-07.d	Operator	: PEST11:kb
Date Inj'd	: 11/5/2020 5:38 pm	Instrument	: Pest 11
Sample	: il5pest,42e,, pp10028	Quant Date	: 11/6/2020 1:54 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 5:49 pm
Operator : PEST11:kb
Sample : il6pest,42e,, pp10027
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:53:51 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 13:52:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.325	1.437	44638669	69342230	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.669	1.928	11437112	17604902	5.973	5.723
	Spiked Amount 50.000	Range 30 - 150		Recovery =		11.95%#	11.45%#
27) s	Decachlorobi	6.313	7.022	12176079	13496260	6.312	6.507
	Spiked Amount 50.000	Range 30 - 150		Recovery =		12.62%#	13.01%#
	Target Compounds						
3) t	Hexachlorobe	1.883	2.259	13439828	20397793	6.365	6.106
4) t	alpha-BHC	1.983	2.358	12694311	19845752	5.117	4.898
5) t	gamma-BHC (l	2.187	2.652	12889816	19281400	5.547	5.240
6) t	beta-BHC	2.243	2.718	7550296	11032897	6.580	6.102
7) t	delta-BHC	2.372	2.993	12237864	18428652	5.269	5.082
8) t	Heptachlor	2.535	3.060	13449272	20271432	5.845	5.622
9) t	Aldrin	2.778	3.388	11442301	16768869	5.535	5.347
10) t	Alachlor	2.903	3.267	2458175	3626620	6.323	6.546
11) t	Chlorpyrifos	2.993	3.630	8833888	12631530	7.009	6.698
12) t	Heptachlor E	3.328	4.017	12667408	17687046	6.098	5.787
13) t	gamma-Chlord	3.451	4.239	13443710	18188121	6.306	5.899
14) t	alpha-Chlord	3.587	4.404	12713277	17162364	6.037	5.779
15) t	4,4'-DDE	3.683	4.593	11419325	14560936	5.577	5.158
16) t	Endosulfan I	3.726	4.463	11702691	15558408	6.041	5.720
17) t	Dieldrin	3.986	4.748	11620672	15075787	5.677	5.410
18) t	Endrin	4.242	5.041	11996264	15076007	5.597	5.401
19) t	4,4'-DDD	4.349	5.158	9190814	11367755	5.574	5.306
20) t	Endosulfan I	4.481	5.236	11840388	14424868	6.091	5.786
21) t	4,4'-DDT	4.640	5.431	11027773	13167357	5.642	5.462
22) t	Endrin Aldeh	4.899	5.528	10435438	11924048	6.238	5.781
23) t	Methoxychlor	5.126	5.991	7680567	8019616	6.622	6.152

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 5:49 pm
Operator : PEST11:kb
Sample : il6pest,42e,, pp10027
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:53:51 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 13:52:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	5.181	6.132	12851053	13265014	7.105	6.814
25) t	Endosulfan S	5.291	5.755	12478794	13530259	6.383	6.050
26) t	Endrin Keton	5.517	6.166	13413244	14231671	6.055	5.778
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

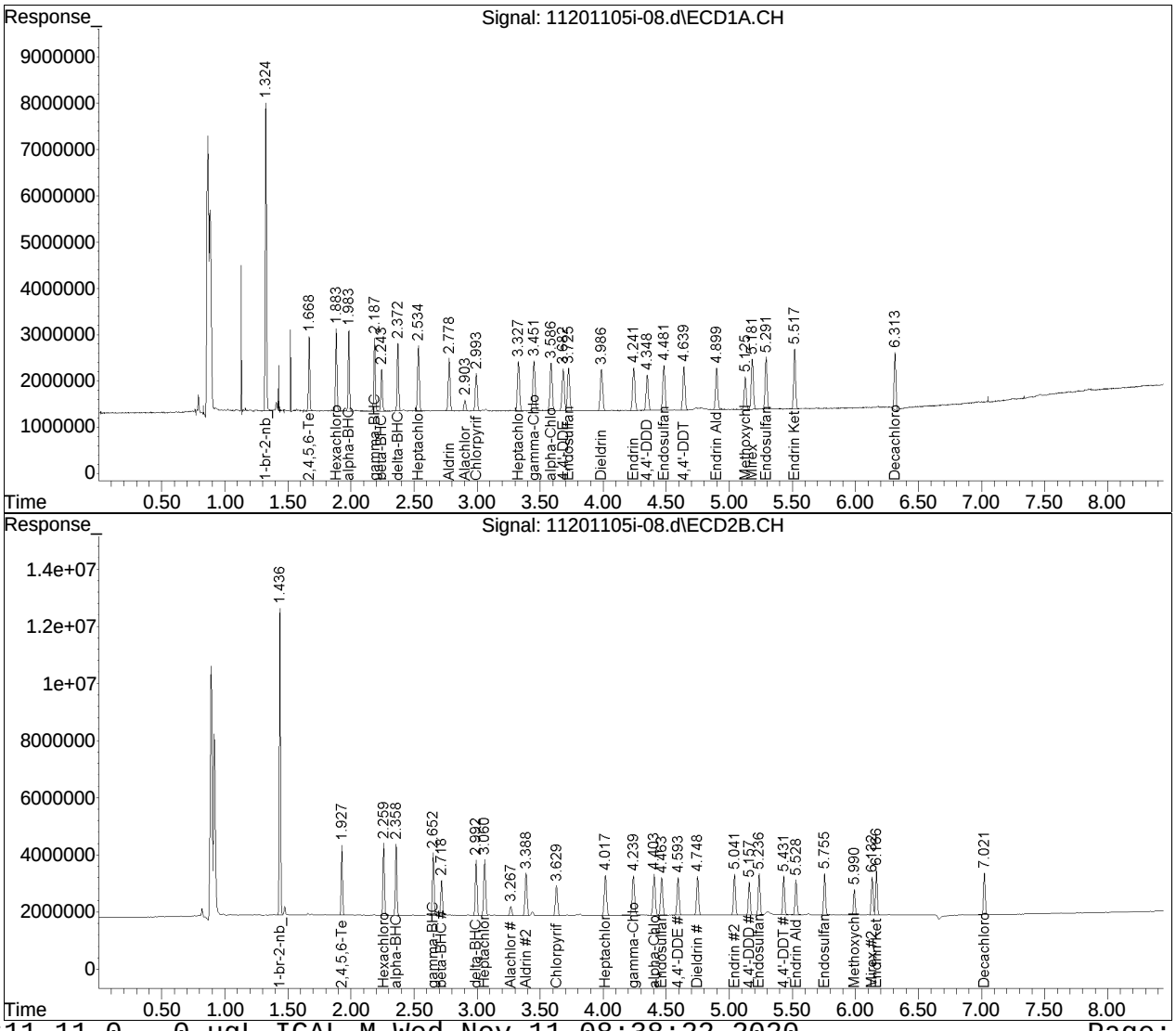
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-08.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 5:49 pm
Operator : PEST11:kb
Sample : il6pest,42e,, pp10027
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:53:51 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 13:52:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest11\201105ICAL\	QMethod	: pest11_11_05_20_ugL_ICAL
Data File	: 11201105i-08.d	Operator	: PEST11:kb
Date Inj'd	: 11/5/2020 5:49 pm	Instrument	: Pest 11
Sample	: il6pest,42e,, pp10027	Quant Date	: 11/6/2020 1:53 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:00 pm
Operator : PEST11:kb
Sample : il7pest,42e,, pp10026
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:52:40 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 13:51:40 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.322	1.435	46144427	72685399	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.665	1.926	21657782	33360960	11.295	10.466
	Spiked Amount 50.000	Range 30 - 150		Recovery =		22.59%#	20.93%#
27) s	Decachlorobi	6.311	7.019	23601201	25109002	12.608	12.178
	Spiked Amount 50.000	Range 30 - 150		Recovery =		25.22%#	24.36%#
	Target Compounds						
3) t	Hexachlorobe	1.879	2.257	25014952	38346877	12.048	11.309
4) t	alpha-BHC	1.979	2.356	25357281	39575728	9.851	9.111
5) t	gamma-BHC (l	2.182	2.650	24708862	37579008	10.385	9.661
6) t	beta-BHC	2.238	2.716	13974076	20891824	12.523	11.412
7) t	delta-BHC	2.367	2.990	24212614	36329464	10.114	9.419
8) t	Heptachlor	2.529	3.057	26239225	39159692	11.423	10.488
9) t	Aldrin	2.773	3.385	22368862	32799079	10.633	9.971
10) t	Alachlor	2.897	3.264	5212534	7012633	14.395	12.973
11) t	Chlorpyrifos	2.987	3.626	16551624	24146207	13.961	13.189
12) t	Heptachlor E	3.321	4.014	23942367	34381818	11.595	11.001
13) t	gamma-Chlord	3.444	4.236	24606100	34689336	11.618	11.004
14) t	alpha-Chlord	3.580	4.400	24361650	33425862	11.654	11.008
15) t	4,4'-DDE	3.676	4.591	21963727	29147182	10.509	9.801
16) t	Endosulfan I	3.719	4.460	22223621	30350254	11.520	10.878
17) t	Dieldrin	3.980	4.746	22532657	29589366	10.885	10.173
18) t	Endrin	4.236	5.039	23455803	29698786	10.797	10.201
19) t	4,4'-DDD	4.343	5.155	17899718	22533867	10.680	10.046
20) t	Endosulfan I	4.475	5.234	22546860	27953851	11.697	10.952
21) t	4,4'-DDT	4.634	5.429	21340032	25734314	10.763	10.246
22) t	Endrin Aldeh	4.894	5.526	18720224	23003331	11.131	10.870
23) t	Methoxychlor	5.121	5.989	14280831	15229592	12.722	11.587

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:00 pm
Operator : PEST11:kb
Sample : il7pest,42e,, pp10026
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:52:40 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 13:51:40 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	5.177	6.130	23359489	24583872	13.626	12.929
25) t	Endosulfan S	5.287	5.753	23019707	25492652	11.945	11.201
26) t	Endrin Keton	5.513	6.164	25054232	26993383	11.295	10.617
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

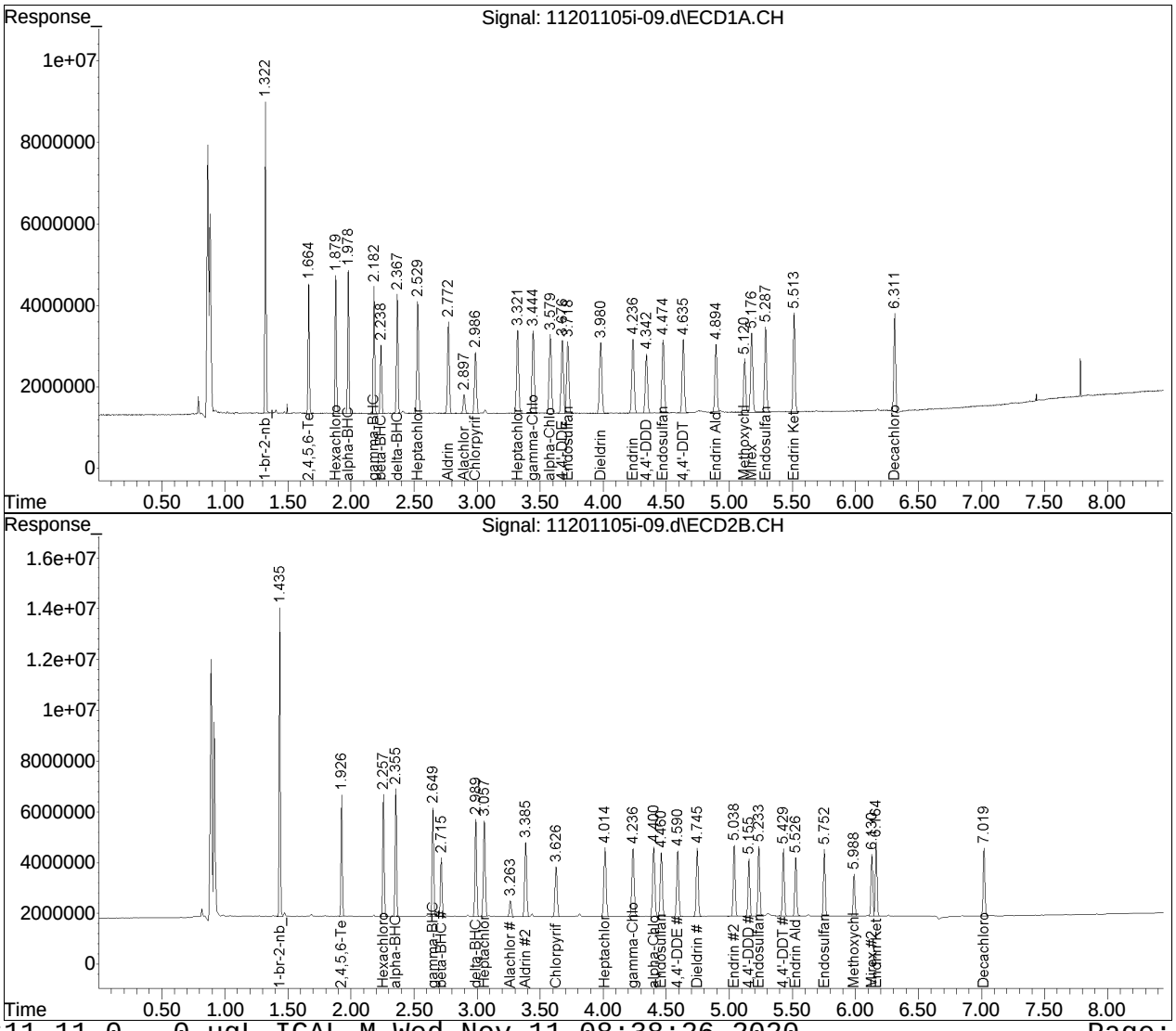
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-09.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:00 pm
Operator : PEST11:kb
Sample : il7pest,42e,, pp10026
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:52:40 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 13:51:40 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest11\201105ICAL\	QMethod	: pest11_11_05_20_ugL_ICAL
Data File	: 11201105i-09.d	Operator	: PEST11:kb
Date Inj'd	: 11/5/2020 6:00 pm	Instrument	: Pest 11
Sample	: il7pest,42e,, pp10026	Quant Date	: 11/6/2020 1:51 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:12 pm
Operator : PEST11:kb
Sample : il8pest,42e,, pp10183
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:17:13 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Thu Nov 05 10:30:46 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.325	1.436	46495313	71735091	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.668	1.928	99733301	159.7E6	NoCal	NoCal
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	6.314	7.021	100.5E6	107.9E6	NoCal	NoCal
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	1.883	2.259	108.4E6	172.2E6	NoCal	NoCal
4) t	alpha-BHC	1.983	2.358	129.3E6	211.5E6	NoCal	NoCal
5) t	gamma-BHC (l	2.187	2.652	121.3E6	191.6E6	NoCal	NoCal
6) t	beta-BHC	2.243	2.718	60147898	94499344	NoCal	NoCal
7) t	delta-BHC	2.372	2.992	121.7E6	189.0E6	NoCal	NoCal
8) t	Heptachlor	2.534	3.060	120.1E6	188.4E6	NoCal	NoCal
9) t	Aldrin	2.778	3.388	108.9E6	163.8E6	NoCal	NoCal
10) t	Alachlor	2.903	3.266	20733717	30101848	NoCal	NoCal
11) t	Chlorpyrifos	2.993	3.629	67269550	99980057	NoCal	NoCal
12) t	Heptachlor E	3.327	4.017	109.3E6	159.5E6	NoCal	NoCal
13) t	gamma-Chlord	3.451	4.239	111.8E6	160.4E6	NoCal	NoCal
14) t	alpha-Chlord	3.586	4.404	111.2E6	155.1E6	NoCal	NoCal
15) t	4,4'-DDE	3.682	4.593	108.7E6	148.2E6	NoCal	NoCal
16) t	Endosulfan I	3.725	4.463	102.3E6	141.9E6	NoCal	NoCal
17) t	Dieldrin	3.986	4.748	108.0E6	145.4E6	NoCal	NoCal
18) t	Endrin	4.242	5.041	113.7E6	145.7E6	NoCal	NoCal
19) t	4,4'-DDD	4.349	5.158	87816740	112.2E6	NoCal	NoCal
20) t	Endosulfan I	4.481	5.236	101.9E6	129.1E6	NoCal	NoCal
21) t	4,4'-DDT	4.639	5.431	103.9E6	126.9E6	NoCal	NoCal
22) t	Endrin Aldeh	4.899	5.528	89739495	108.6E6	NoCal	NoCal
23) t	Methoxychlor	5.126	5.990	61633955	70222384	NoCal	NoCal

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:12 pm
Operator : PEST11:kb
Sample : il8pest,42e,, pp10183
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:17:13 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Thu Nov 05 10:30:46 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	5.181	6.132	94640235	101.7E6	NoCal	NoCal
25) t	Endosulfan S	5.291	5.755	103.0E6	116.9E6	NoCal	NoCal
26) t	Endrin Keton	5.517	6.166	116.8E6	129.5E6	NoCal	NoCal
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

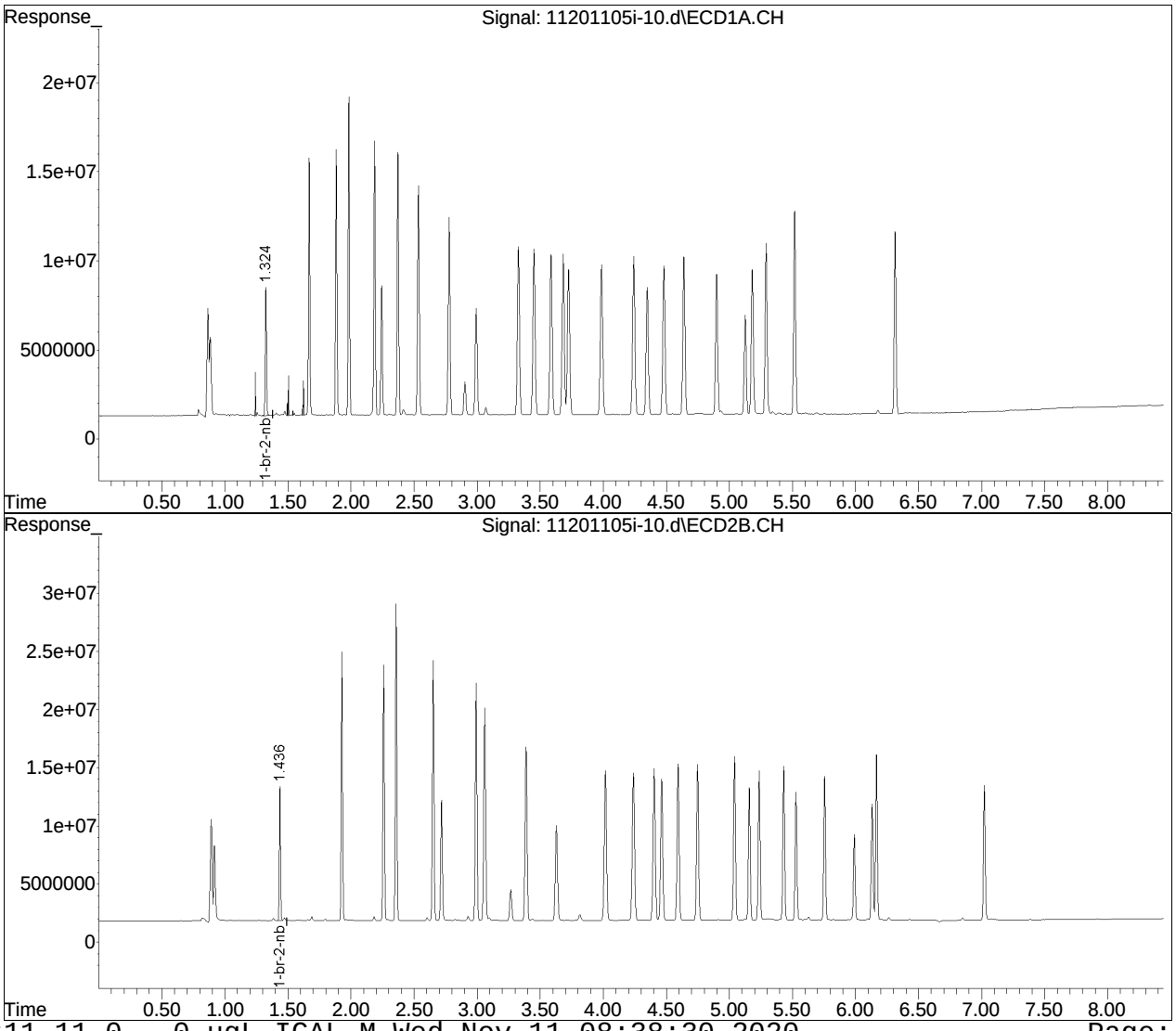
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-10.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:12 pm
Operator : PEST11:kb
Sample : il8pest,42e,, pp10183
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:17:13 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Thu Nov 05 10:30:46 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest11\201105ICAL\	QMethod	: pest11_11_05_20_ugL_ICAL
Data File	: 11201105i-10.d	Operator	: PEST11:kb
Date Inj'd	: 11/5/2020 6:12 pm	Instrument	: Pest 11
Sample	: il8pest,42e,, pp10183	Quant Date	: 11/6/2020 1:15 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:22 pm
Operator : PEST11:kb
Sample : il9pest,42e,, pp10024
Misc : WG1432978,
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:50:14 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 13:17:23 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.322	1.435	46104389	70412425	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.665	1.927	187.9E6	303.4E6	94.984	96.747
	Spiked Amount 50.000	Range 30 - 150		Recovery =		189.97%#	193.49%#
27) s	Decachlorobi	6.312	7.019	182.1E6	192.2E6	91.376	90.748
	Spiked Amount 50.000	Range 30 - 150		Recovery =		182.75%#	181.50%#
	Target Compounds						
3) t	Hexachlorobe	1.879	2.258	207.7E6	322.4E6	96.640	95.374
4) t	alpha-BHC	1.979	2.357	253.6E6	413.1E6	98.855	99.500
5) t	gamma-BHC (l	2.183	2.650	233.5E6	369.2E6	97.038	98.175
6) t	beta-BHC	2.238	2.716	109.3E6	173.2E6	91.629	93.346
7) t	delta-BHC	2.367	2.991	234.1E6	365.6E6	96.973	98.562
8) t	Heptachlor	2.530	3.058	224.7E6	353.8E6	94.314	95.632
9) t	Aldrin	2.773	3.386	205.9E6	311.5E6	95.369	96.880
10) t	Alachlor	2.897	3.265	35626308	51064952	86.642	86.414
11) t	Chlorpyrifos	2.987	3.627	115.4E6	172.5E6	86.511	87.891
12) t	Heptachlor E	3.322	4.015	201.0E6	294.5E6	92.758	94.063
13) t	gamma-Chlord	3.445	4.237	205.4E6	296.0E6	92.690	93.993
14) t	alpha-Chlord	3.581	4.401	202.7E6	285.2E6	91.972	93.689
15) t	4,4'-DDE	3.676	4.591	202.3E6	278.9E6	93.837	95.896
16) t	Endosulfan I	3.719	4.461	187.6E6	262.5E6	92.472	94.208
17) t	Dieldrin	3.981	4.746	200.5E6	273.4E6	93.606	95.762
18) t	Endrin	4.237	5.039	210.7E6	274.1E6	93.441	95.858
19) t	4,4'-DDD	4.343	5.156	161.7E6	209.7E6	92.869	95.208
20) t	Endosulfan I	4.476	5.234	188.3E6	242.1E6	93.204	95.562
21) t	4,4'-DDT	4.635	5.429	190.9E6	234.5E6	92.679	94.155
22) t	Endrin Aldeh	4.894	5.527	162.7E6	198.2E6	91.408	92.996
23) t	Methoxychlor	5.121	5.989	108.5E6	121.2E6	88.775	87.912

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:22 pm
Operator : PEST11:kb
Sample : il9pest,42e,, pp10024
Misc : WG1432978,
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:50:14 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 13:17:23 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	5.177	6.130	164.8E6	177.1E6	87.819	88.696
25) t	Endosulfan S	5.288	5.753	185.6E6	212.8E6	90.895	92.716
26) t	Endrin Keton	5.514	6.165	213.4E6	236.3E6	92.115	92.957
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

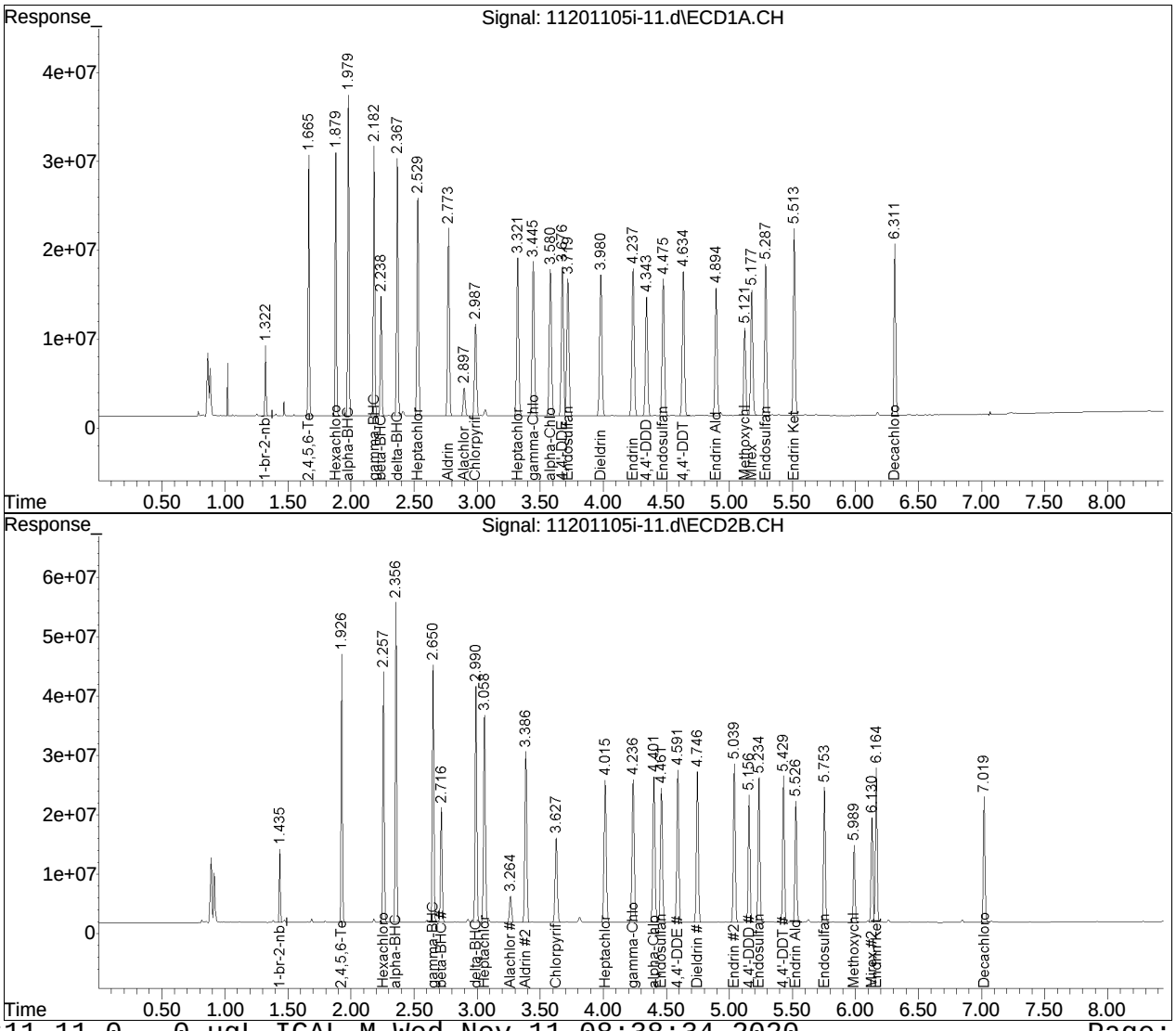
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-11.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:22 pm
Operator : PEST11:kb
Sample : il9pest,42e,, pp10024
Misc : WG1432978,
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:50:14 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 13:17:23 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest11\201105ICAL\	QMethod	: pest11_11_05_20_ugL_ICAL
Data File	: 11201105i-11.d	Operator	: PEST11:kb
Date Inj'd	: 11/5/2020 6:22 pm	Instrument	: Pest 11
Sample	: il9pest,42e,, pp10024	Quant Date	: 11/6/2020 1:17 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:34 pm
Operator : PEST11:kb
Sample : il10pest,42e,, pp10023
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:51:24 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 13:50:28 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.326	1.437	47876572	72446295	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.670	1.929	392.7E6	636.7E6	196.090	200.611
	Spiked Amount 50.000	Range 30 - 150		Recovery =		392.18%#	401.22%#
27) s	Decachlorobi	6.314	7.021	373.1E6	401.8E6	188.376	193.338
	Spiked Amount 50.000	Range 30 - 150		Recovery =		376.75%#	386.68%#
	Target Compounds						
3) t	Hexachlorobe	1.884	2.260	414.9E6	668.7E6	189.112	196.802
4) t	alpha-BHC	1.984	2.359	543.0E6	893.3E6	205.021	209.644
5) t	gamma-BHC (l	2.188	2.653	496.6E6	792.5E6	201.754	206.682
6) t	beta-BHC	2.244	2.719	219.9E6	356.7E6	185.293	193.306
7) t	delta-BHC	2.373	2.993	503.0E6	790.8E6	203.766	208.707
8) t	Heptachlor	2.536	3.061	468.5E6	743.6E6	194.899	199.731
9) t	Aldrin	2.779	3.389	433.5E6	664.6E6	197.909	204.082
10) t	Alachlor	2.904	3.267	66023752	96584248	165.691	170.432
11) t	Chlorpyrifos	2.994	3.630	221.3E6	336.0E6	171.272	177.098
12) t	Heptachlor E	3.329	4.018	418.1E6	618.8E6	192.787	197.958
13) t	gamma-Chlord	3.452	4.239	431.5E6	628.2E6	194.558	199.905
14) t	alpha-Chlord	3.587	4.404	422.5E6	602.5E6	192.287	198.605
15) t	4,4'-DDE	3.683	4.594	433.3E6	606.0E6	199.741	206.741
16) t	Endosulfan I	3.726	4.464	390.0E6	554.9E6	192.388	199.346
17) t	Dieldrin	3.987	4.749	427.2E6	589.2E6	198.357	204.925
18) t	Endrin	4.243	5.041	446.2E6	588.6E6	196.986	204.278
19) t	4,4'-DDD	4.350	5.158	345.8E6	456.7E6	198.261	206.501
20) t	Endosulfan I	4.482	5.236	389.3E6	506.9E6	192.075	198.875
21) t	4,4'-DDT	4.640	5.431	410.0E6	507.1E6	198.962	203.855
22) t	Endrin Aldeh	4.899	5.529	339.5E6	419.2E6	191.932	198.154
23) t	Methoxychlor	5.126	5.991	219.6E6	253.0E6	183.269	189.813

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:34 pm
Operator : PEST11:kb
Sample : il10pest,42e,, pp10023
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:51:24 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 13:50:28 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	5.182	6.133	335.1E6	361.8E6	183.055	186.692
25) t	Endosulfan S	5.292	5.755	390.2E6	450.8E6	192.820	198.083
26) t	Endrin Keton	5.518	6.167	456.7E6	511.3E6	197.641	202.632
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

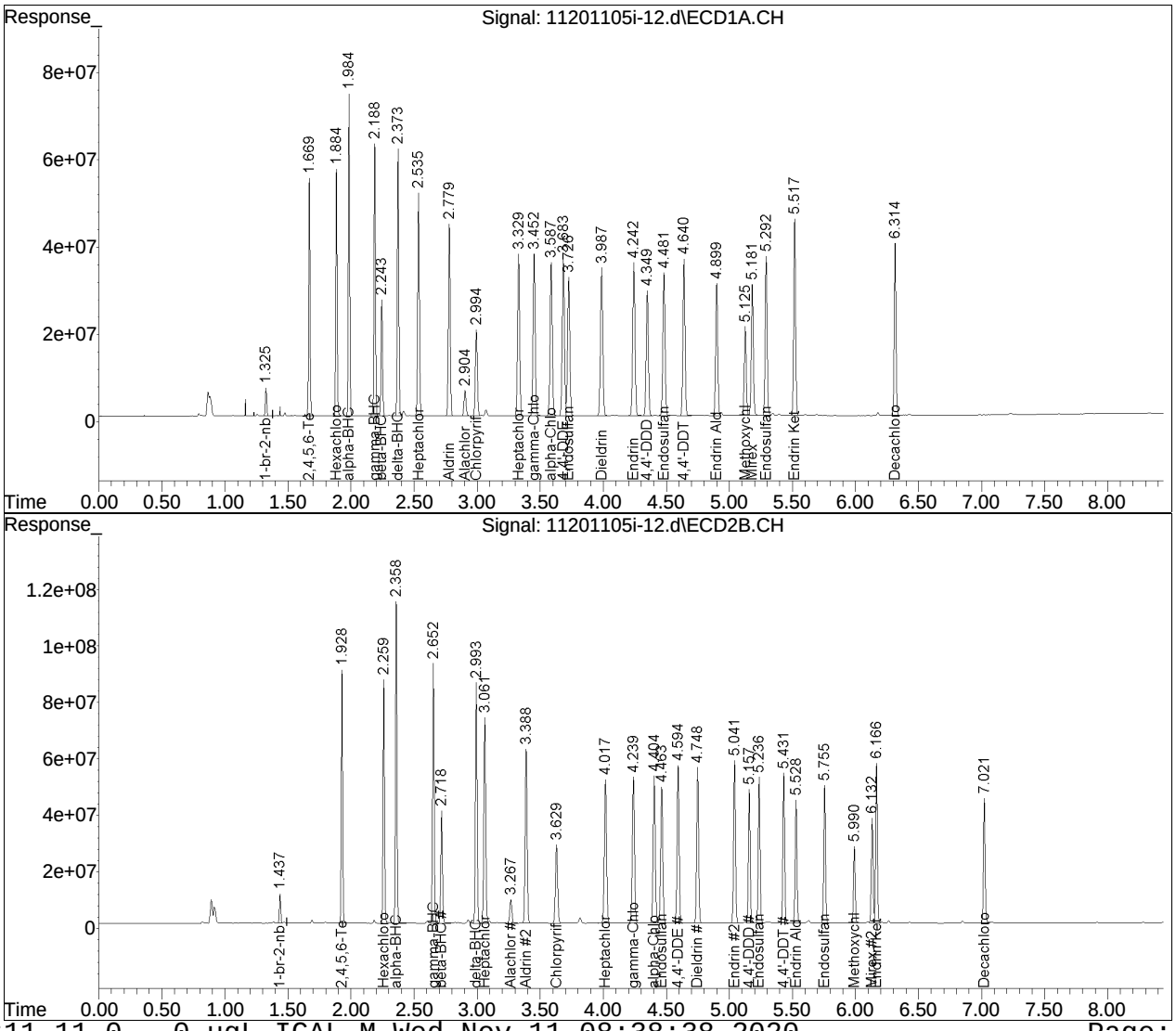
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-12.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:34 pm
Operator : PEST11:kb
Sample : il10pest,42e,, pp10023
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 13:51:24 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 13:50:28 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest11\201105ICAL\	QMethod	: pest11_11_05_20_ugL_ICAL
Data File	: 11201105i-12.d	Operator	: PEST11:kb
Date Inj'd	: 11/5/2020 6:34 pm	Instrument	: Pest 11
Sample	: il10pest,42e,, pp10023	Quant Date	: 11/6/2020 1:50 pm

There are no manual integrations or false positives in this file.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 05 Nov 2020   6:45 pm
Operator : PEST11:kb
Sample   : cicvpest,42e,, pp10168
Misc   : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 09:00:39 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Wed Nov 11 09:00:34 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	88	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	50.000	45.685	8.6	93	0.00
3	t	Hexachlorobenzene	50.000	42.487	15.0	90	0.00
4	t	alpha-BHC	50.000	47.844	4.3	88	0.00
5	t	gamma-BHC (lindane)	50.000	44.950	10.1	86	0.00
6	t	beta-BHC	50.000	53.605	-7.2	87	0.00
7	t	delta-BHC	50.000	47.145	5.7	88	0.00
8	t	Heptachlor	50.000	49.370	1.3	84	0.00
9	t	Aldrin	50.000	44.050	11.9	84	0.00
10	t	Alachlor	50.000	43.602	12.8	87	0.00
11	t	Chlorpyrifos	50.000	48.541	2.9	88	0.00
12	t	Heptachlor Epoxide	50.000	42.318	15.4	84	0.00
13	t	gamma-Chlordane (trans)	50.000	48.649	2.7	82	0.00
14	t	alpha-Chlordane (cis)	50.000	49.177	1.6	82	0.00
15	t	4,4'-DDE	50.000	46.290	7.4	79	0.00
16	t	Endosulfan I	50.000	49.896	0.2	83	0.00
17	t	Dieldrin	50.000	45.265	9.5	87	0.00
18	t	Endrin	50.000	43.483	13.0	81	0.00
19	t	4,4'-DDD	50.000	45.163	9.7	85	0.00
20	t	Endosulfan II	50.000	49.716	0.6	83	0.00
21	t	4,4'-DDT	50.000	42.331	15.3	79	0.00
22	t	Endrin Aldehyde	50.000	42.471	15.1	81	0.00
23	t	Methoxychlor	50.000	50.062	-0.1	80	0.00
24	t	Mirex	50.000	44.035	11.9	80	0.00
25	t	Endosulfan Sulfate	50.000	50.912	-1.8	84	0.00
26	t	Endrin Ketone	50.000	43.861	12.3	85	0.00
27	s	Decachlorobiphenyl	50.000	47.239	5.5	78	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 05 Nov 2020   6:45 pm
Operator : PEST11:kb
Sample   : cicvpest,42e,, pp10168
Misc   : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 09:00:39 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Wed Nov 11 09:00:34 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	87	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	50.000	46.380	7.2	88	0.00
3	t	Hexachlorobenzene	50.000	45.010	10.0	91	0.00
4	t	alpha-BHC	50.000	50.957	-1.9	87	0.00
5	t	gamma-BHC (lindane)	50.000	46.362	7.3	86	0.00
6	t	beta-BHC	50.000	45.093	9.8	87	0.00
7	t	delta-BHC	50.000	49.537	0.9	88	0.00
8	t	Heptachlor	50.000	43.957	12.1	82	0.00
9	t	Aldrin	50.000	46.050	7.9	83	0.00
10	t	Alachlor	50.000	44.475	11.0	87	0.00
11	t	Chlorpyrifos	50.000	49.184	1.6	87	0.00
12	t	Heptachlor Epoxide	50.000	43.844	12.3	83	0.00
13	t	gamma-Chlordane (trans)	50.000	42.568	14.9	81	0.00
14	t	alpha-Chlordane (cis)	50.000	43.676	12.6	81	0.00
15	t	4,4'-DDE	50.000	44.370	11.3	78	0.00
16	t	Endosulfan I	50.000	43.451	13.1	82	0.00
17	t	Dieldrin	50.000	46.584	6.8	85	0.00
18	t	Endrin	50.000	43.925	12.2	81	0.00
19	t	4,4'-DDD	50.000	46.221	7.6	84	0.00
20	t	Endosulfan II	50.000	44.028	11.9	83	0.00
21	t	4,4'-DDT	50.000	43.489	13.0	78	0.00
22	t	Endrin Aldehyde	50.000	42.859	14.3	79	0.00
23	t	Methoxychlor	50.000	42.630	14.7	76	0.00
24	t	Mirex	50.000	44.170	11.7	79	0.00
25	t	Endosulfan Sulfate	50.000	50.569	-1.1	84	0.00
26	t	Endrin Ketone	50.000	45.043	9.9	83	0.00
27	s	Decachlorobiphenyl	50.000	46.556	6.9	76	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 05 Nov 2020   6:45 pm
Operator : PEST11:kb
Sample   : cicvpest,42e,, pp10168
Misc   : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 09:00:39 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Wed Nov 11 09:00:34 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	0	-1.33#
29	l1	chlordane-1	2000.000	0.000	100.0#	0	-2.48#
30	l1	chlordane-3	2000.000	0.000	100.0#	0	-2.54#
31	l1	chlordane-4	2000.000	0.000	100.0#	0	-3.46#
32	l1	chlordane-5	2000.000	0.000	100.0#	0	-3.59#
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	0	-1.33#
34	l2	toxaphene-2	5000.000	0.000	100.0#	0	-4.49#
35	l2	toxaphene-3	5000.000	0.000	100.0#	0	-4.61#
36	l2	toxaphene-4	5000.000	0.000	100.0#	0	-4.83#
37	l2	toxaphene-5	5000.000	0.000	100.0#	0	-5.21#

Signal #2

28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	0	-1.44#
29	l1	chlordane-1	2000.000	0.000	100.0#	0	-2.93#
30	l1	chlordane-3	2000.000	0.000	100.0#	0	-3.07#
31	l1	chlordane-4	2000.000	0.000	100.0#	0	-4.25#
32	l1	chlordane-5	2000.000	0.000	100.0#	0	-4.41#
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	0	-1.45#
34	l2	toxaphene-2	5000.000	0.000	100.0#	0	-5.21#
35	l2	toxaphene-3	5000.000	0.000	100.0#	0	-5.24#
36	l2	toxaphene-4	5000.000	0.000	100.0#	0	-5.55#
37	l2	toxaphene-5	5000.000	0.000	100.0#	0	-5.94#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:45 pm
Operator : PEST11:kb
Sample : cicvpest,42e,, pp10168
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 09:00:39 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Wed Nov 11 09:00:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.325	1.437	40740440	62166951	25.000M4	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.669	1.928	92785872	141.0E6	45.685	46.380
	Spiked Amount 50.000	Range 30 - 150		Recovery =		91.37%	92.76%
27) s	Decachlorobi	6.315	7.022	77906503	82461226	47.239	46.556
	Spiked Amount 50.000	Range 30 - 150		Recovery =		94.48%	93.11%
	Target Compounds						
3) t	Hexachlorobe	1.884	2.260	97635639	156.4E6	42.487	45.010
4) t	alpha-BHC	1.984	2.359	113.6E6	184.6E6	47.844	50.957
5) t	gamma-BHC (l	2.188	2.653	104.1E6	164.9E6	44.950	46.362
6) t	beta-BHC	2.244	2.719	52572256	82214277	53.605	45.093
7) t	delta-BHC	2.373	2.993	107.2E6	166.2E6	47.145	49.537
8) t	Heptachlor	2.536	3.061	100.3E6	154.6E6	49.370	43.957
9) t	Aldrin	2.780	3.389	90935424	135.3E6	44.050	46.050
10) t	Alachlor	2.905	3.267	17946214	26085296	43.602	44.475
11) t	Chlorpyrifos	2.995	3.630	59058432	86952156	48.541	49.184
12) t	Heptachlor E	3.330	4.018	91903373	132.8E6	42.318	43.844
13) t	gamma-Chlord	3.453	4.240	91359984	130.0E6	48.649	42.568
14) t	alpha-Chlord	3.588	4.404	90703864	125.3E6	49.177	43.676
15) t	4,4'-DDE	3.685	4.595	85498962	115.5E6	46.290	44.370
16) t	Endosulfan I	3.727	4.464	84789254	116.8E6	49.896	43.451
17) t	Dieldrin	3.988	4.749	93532475	124.2E6	45.265	46.584
18) t	Endrin	4.244	5.042	92350082	118.2E6	43.483	43.925
19) t	4,4'-DDD	4.351	5.159	74491935	94369332	45.163	46.221
20) t	Endosulfan I	4.483	5.237	84606240	106.6E6	49.716	44.028
21) t	4,4'-DDT	4.641	5.432	81620304	98518296	42.331	43.489
22) t	Endrin Aldeh	4.900	5.529	72868649	85753160	42.471	42.859
23) t	Methoxychlor	5.126	5.991	49291272	53319362	50.062	42.630

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:45 pm
Operator : PEST11:kb
Sample : cicvpest,42e,, pp10168
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 09:00:39 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Wed Nov 11 09:00:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	5.182	6.132	76033592	80248087	44.035	44.170
25) t	Endosulfan S	5.293	5.756	86692757	98765360	50.912	50.569
26) t	Endrin Keton	5.519	6.167	99102446	107.6E6	43.861	45.043
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

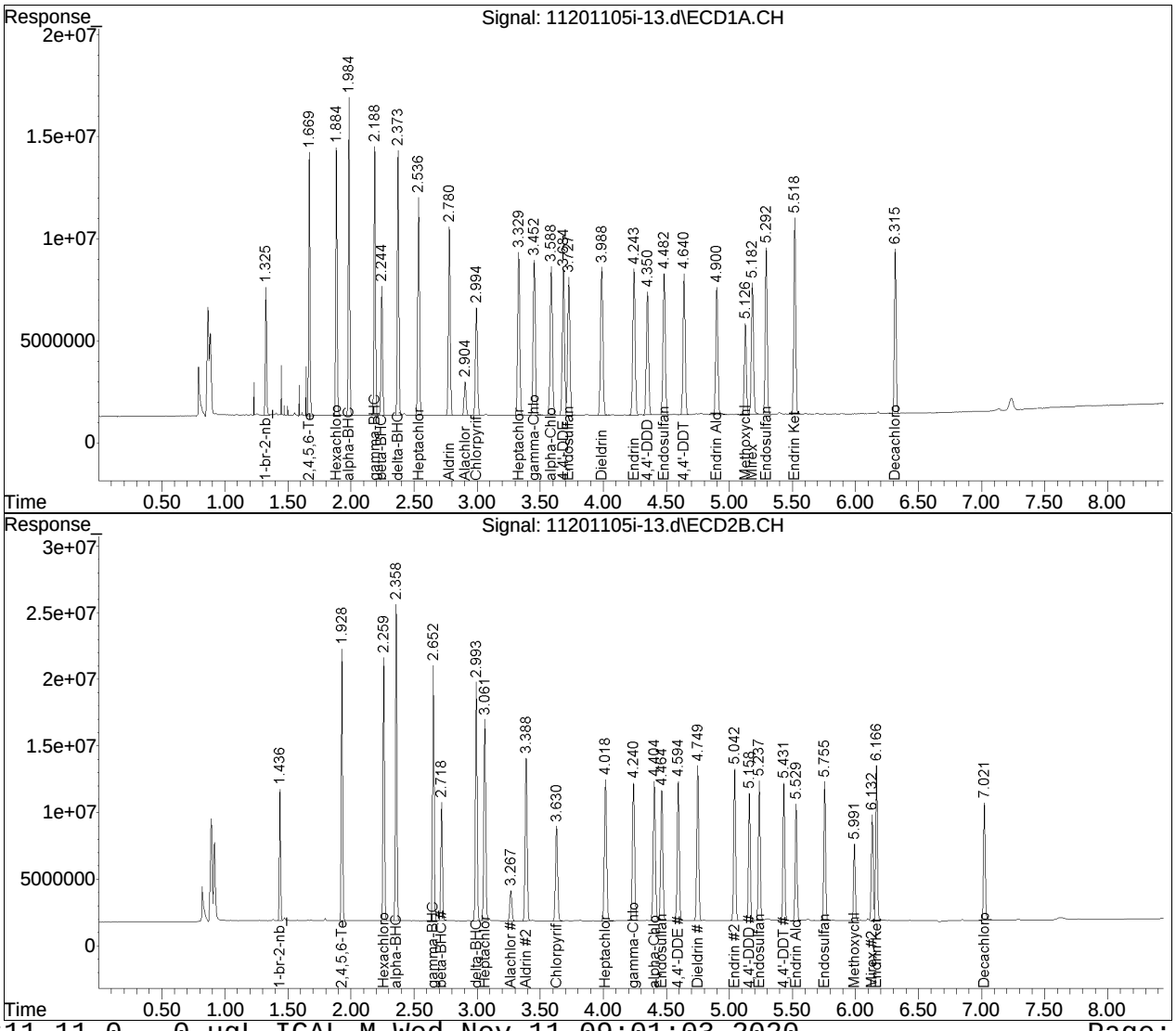
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-13.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:45 pm
Operator : PEST11:kb
Sample : cicvpest,42e,, pp10168
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 09:00:39 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Wed Nov 11 09:00:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

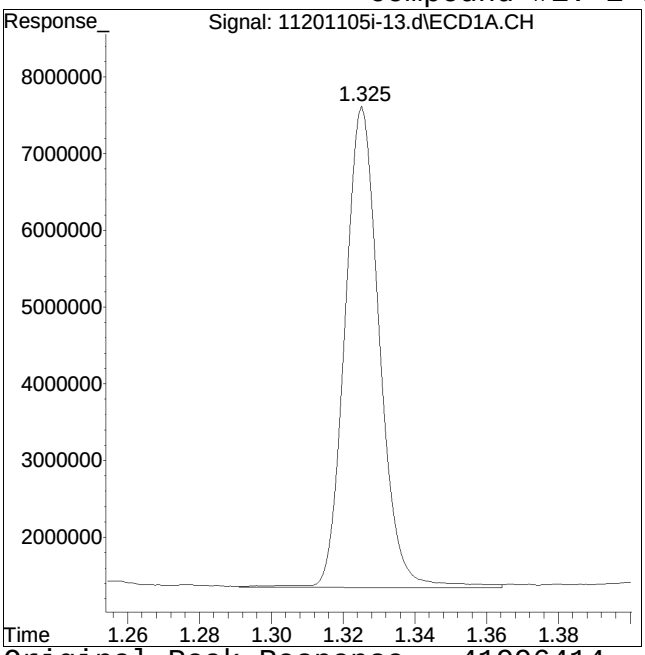


Manual Integration Report

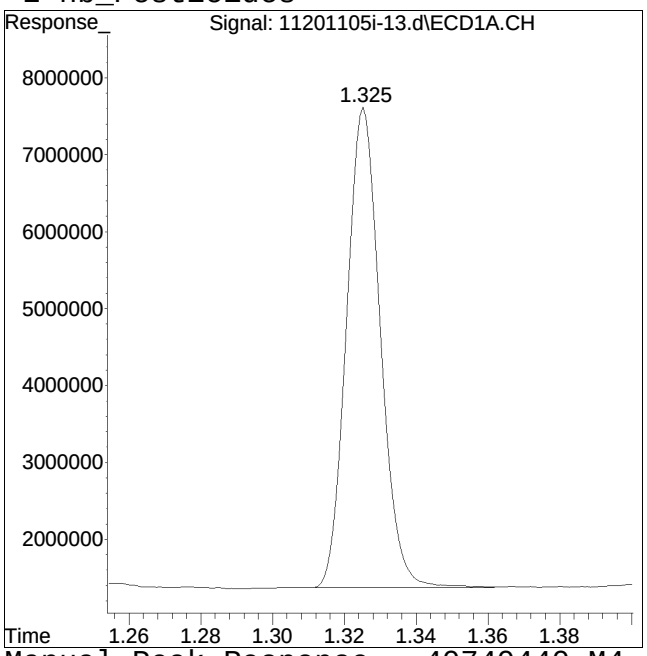
Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-13.d
Date Inj'd : 11/5/2020 6:45 pm
Sample : cicvpest,42e,, pp10168

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:kb
Instrument : Pest 11
Quant Date : 11/11/2020 9:00 am

Compound #1: 1-br-2-nb_Pesticides



Original Peak Response = 41996414



Manual Peak Response = 40740440 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:57 pm
Operator : PEST11:kb
Sample : il2chlor,42e,, pp10182 0.01 (Sig #1); il1chlor,42e,, pp10182 0.01 (Sig #2)
Misc : WG1432978,
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:31:51 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.327	1.438	45680056	70336289	25.000	25.000
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:57 pm
Operator : PEST11:kb
Sample : il2chlor,42e,, pp10182 0.01 (Sig #1); il1chlor,42e,, pp10182 0.01 (Sig #2)
Misc : WG1432978,
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:31:51 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.536	3.061	1696287	2475043	9.323	8.921
30) l1	chlordane-3	2.894	3.544	1428640	1973284	9.077	8.622
31) l1	chlordane-4	3.451	4.240	4597408	5080723	9.671	9.694
32) l1	chlordane-5	3.582	4.404	6190072	4209752	9.591	9.222
Sum	chlordane-1			13912407	13738802	NoCal	NoCal D
Average	chlordane-1					9.415	9.115
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

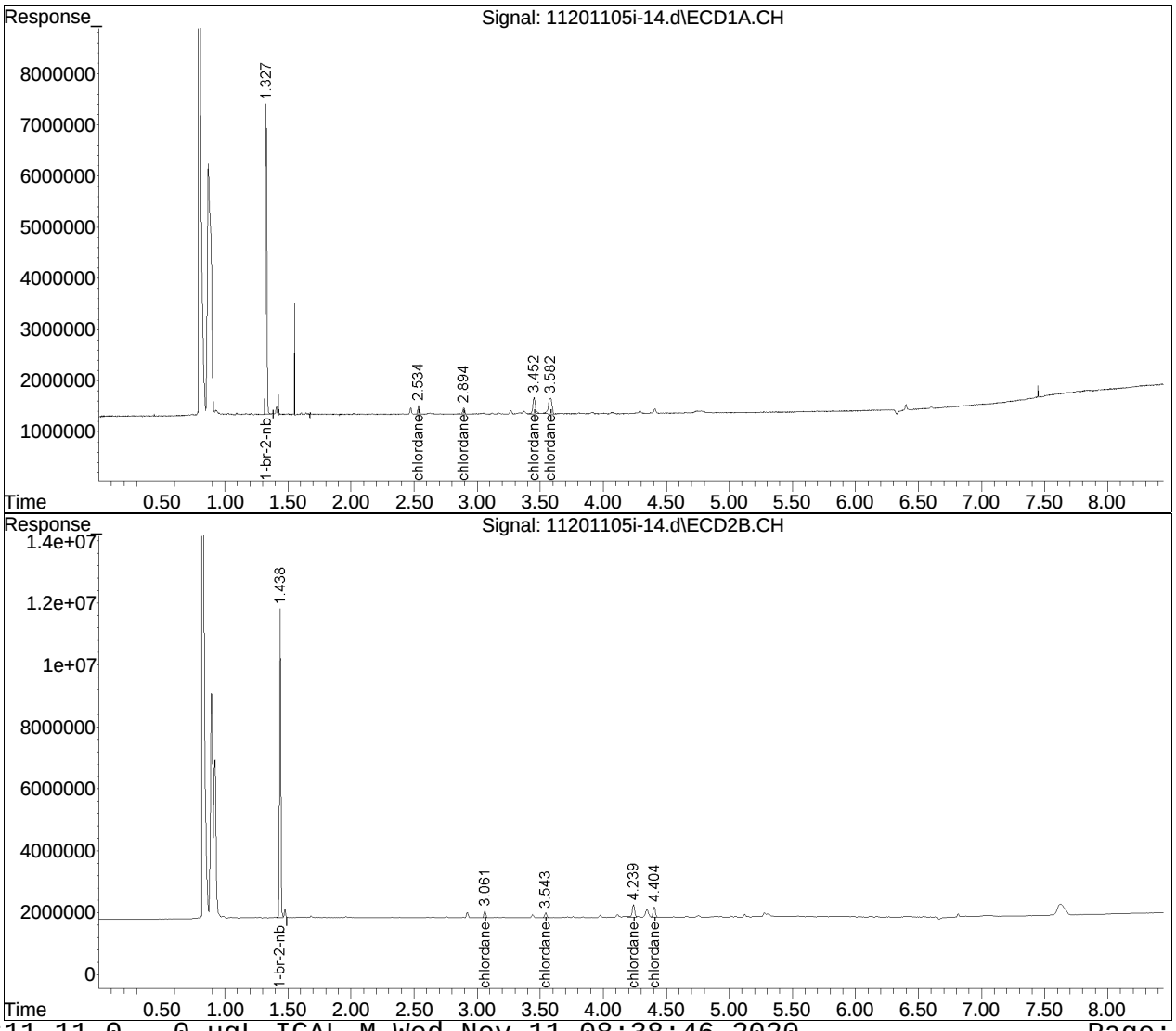
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-14.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 6:57 pm
Operator : PEST11:kb
Sample : il2chlor,42e,, pp10182 0.01 (Sig #1); il1chlor,42e,, pp10182 0.01
Misc : WG1432978,
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:31:51 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:44 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest11\201105ICAL\	QMethod	: pest11_11_05_20_ugL_ICAL
Data File	: 11201105i-14.d	Operator	: PEST11:kb
Date Inj'd	: 11/5/2020 6:57 pm	Instrument	: Pest 11
Sample	: il2chlor,42e,, pp10182 0.0	Quant Date	: 11/6/2020 2:31 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 7:08 pm
Operator : PEST11:kb
Sample : il3chlor,42e,, pp10182 0.02 (Sig #1); il2chlor,42e,, pp10182 0.02 (Sig #2)
Misc : WG1432978,
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:25:50 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:25:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.325	1.436	41781678	64575599	25.000	25.000
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 7:08 pm
Operator : PEST11:kb
Sample : il3chlor,42e,, pp10182 0.02 (Sig #1); il2chlor,42e,, pp10182 0.02 (Sig #2)
Misc : WG1432978,
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:25:50 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:25:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.535	3.060	2846546	4232087	28.592	26.619
30) l1	chlordane-3	2.894	3.543	2584443	3280336	28.120	24.118
31) l1	chlordane-4	3.451	4.239	7303427	8183949	26.693	23.397
32) l1	chlordane-5	3.579	4.403	10617685	7170647	25.397	24.548
Sum	chlordane-1			23352101	22867018	NoCal	NoCal D
Average	chlordane-1					27.201	24.671
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

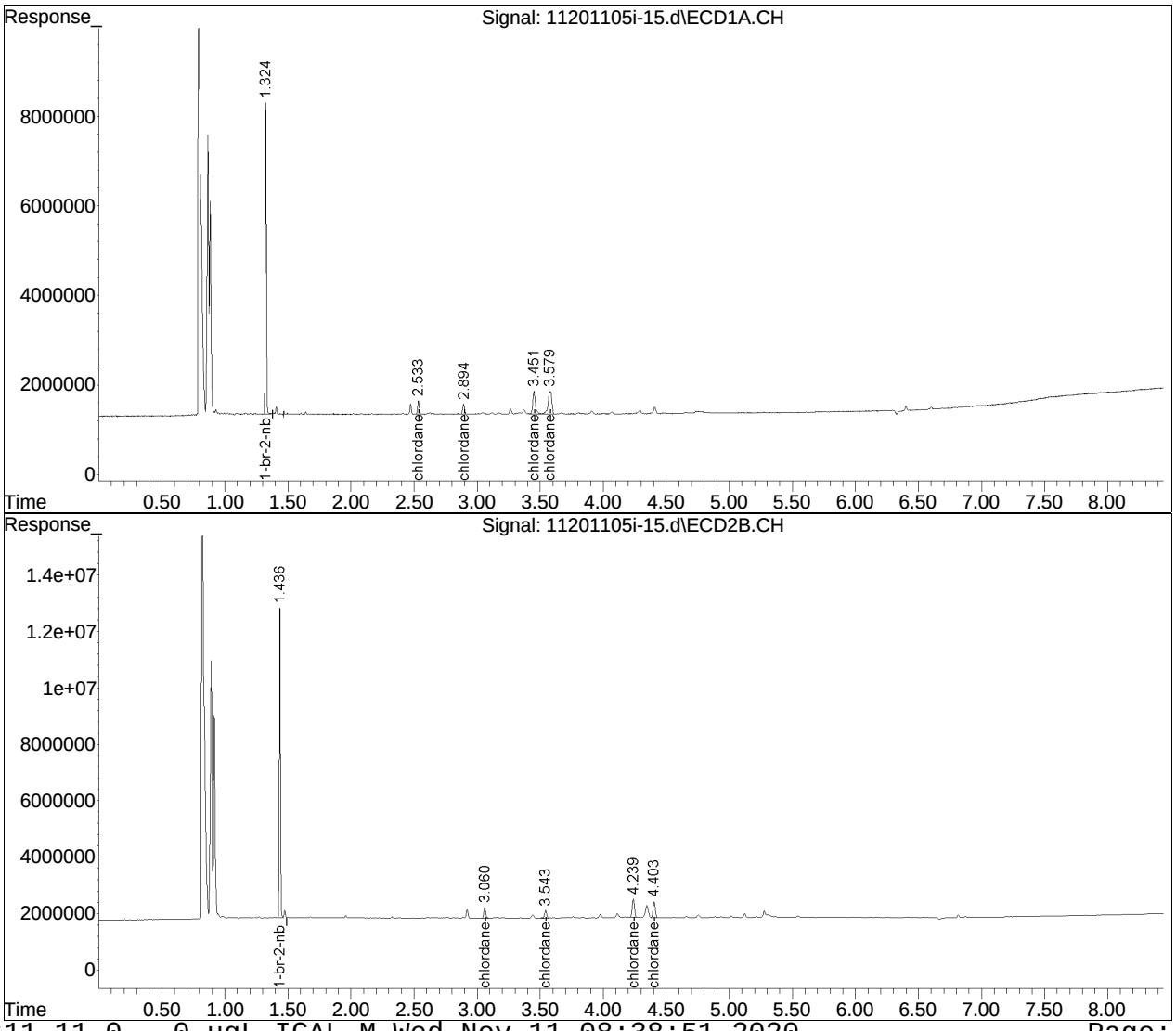
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-15.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 7:08 pm
Operator : PEST11:kb
Sample : il3chlor,42e,, pp10182 0.02 (Sig #1); il2chlor,42e,, pp10182 0.02
Misc : WG1432978,
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:25:50 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:25:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest11\201105ICAL\	QMethod	: pest11_11_05_20_ugL_ICAL
Data File	: 11201105i-15.d	Operator	: PEST11:kb
Date Inj'd	: 11/5/2020 7:08 pm	Instrument	: Pest 11
Sample	: il3chlor,42e,, pp10182 0.0	Quant Date	: 11/6/2020 2:25 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 7:20 pm
Operator : PEST11:kb
Sample : il4chlor,42e,, pp10182 0.1 (Sig #1); il3chlor,42e,, pp10182 0.1 (Sig #2)
Misc : WG1432978,
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:24:54 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:24:15 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.327	1.438	47926877	73590896	25.000	25.000
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 7:20 pm
Operator : PEST11:kb
Sample : il4chlor,42e,, pp10182 0.1 (Sig #1); il3chlor,42e,, pp10182 0.1 (Sig #2)
Misc : WG1432978,
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:24:54 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:24:15 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.536	3.061	13381194	20944877	125.205	124.294
30) l1	chlordane-3	2.895	3.545	11692474	16333820	107.465	99.461
31) l1	chlordane-4	3.453	4.240	32719844	42148505	104.253	105.738
32) l1	chlordane-5	3.581	4.405	50440953	35065561	105.182	105.339
Sum	chlordane-1			108.2E6	114.5E6	NoCal	NoCal D
Average	chlordane-1					110.526	108.708
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

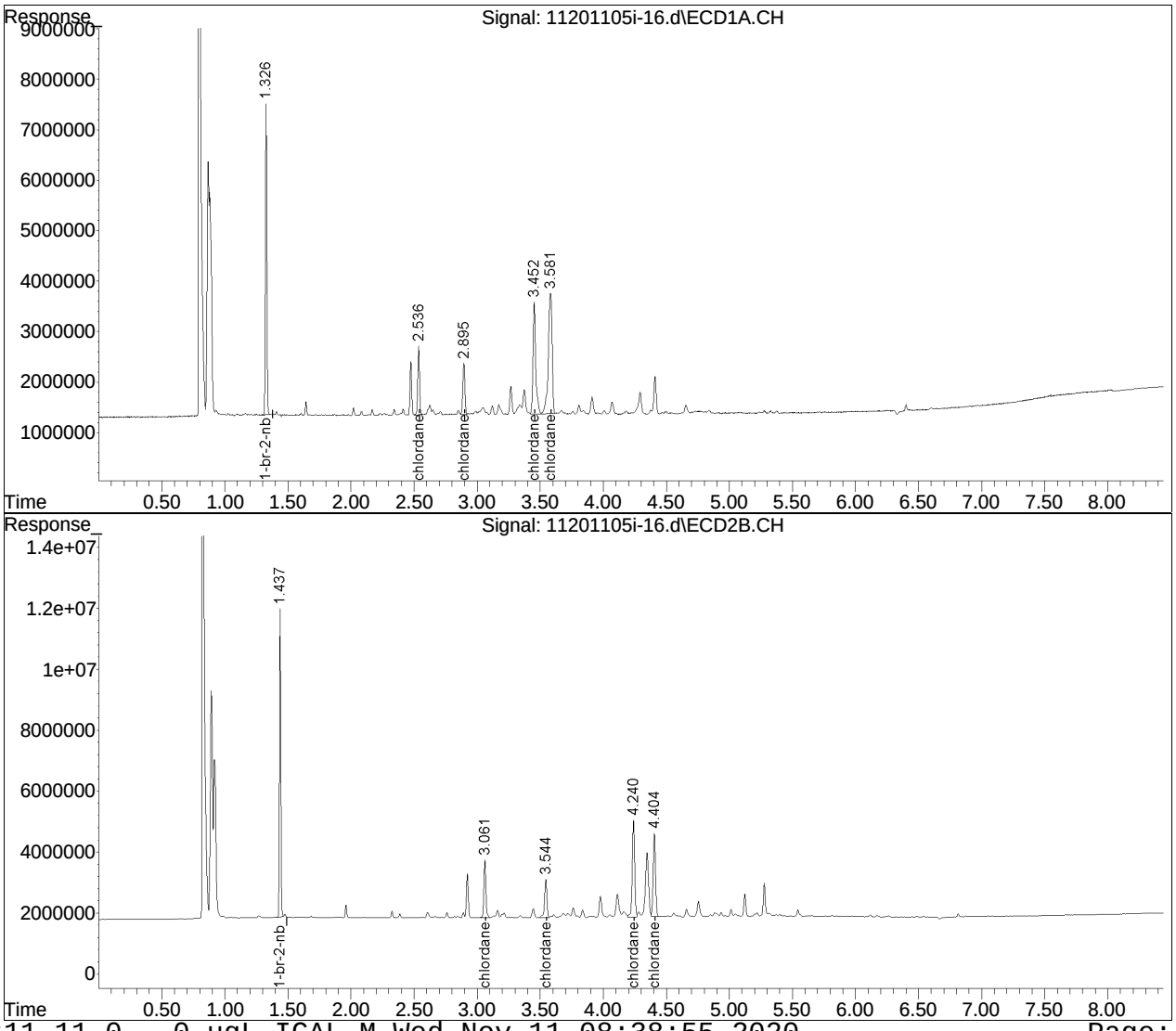
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-16.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 7:20 pm
Operator : PEST11:kb
Sample : il4chlor,42e,, pp10182 0.1 (Sig #1); il3chlor,42e,, pp10182 0.1 (S
Misc : WG1432978,
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:24:54 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:24:15 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest11\201105ICAL\	QMethod	: pest11_11_05_20_ugL_ICAL
Data File	: 11201105i-16.d	Operator	: PEST11:kb
Date Inj'd	: 11/5/2020 7:20 pm	Instrument	: Pest 11
Sample	: il4chlor,42e,, pp10182 0.1	Quant Date	: 11/6/2020 2:24 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 7:31 pm
Operator : PEST11:kb
Sample : il6chlor,42e,, pp10182 0.5 (Sig #1); il4chlor,42e,, pp10182 0.5 (Sig #2)
Misc : WG1432978,
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:24:02 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:23:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.325	1.436	46315844	72634498	25.000	25.000
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 7:31 pm
Operator : PEST11:kb
Sample : il6chlor,42e,, pp10182 0.5 (Sig #1); il4chlor,42e,, pp10182 0.5 (Sig #2)
Misc : WG1432978,
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:24:02 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:23:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.536	3.061	56566865	89660153	584.518	578.030
30) l1	chlordane-3	2.894	3.544	47029277	64902909	431.617	377.359
31) l1	chlordane-4	3.452	4.239	141.6E6	187.9E6	466.799	477.539
32) l1	chlordane-5	3.581	4.404	220.6E6	155.4E6	475.911	472.896
Sum	chlordane-1			465.7E6	497.8E6	NoCal	NoCal D
Average	chlordane-1					489.711	476.456
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

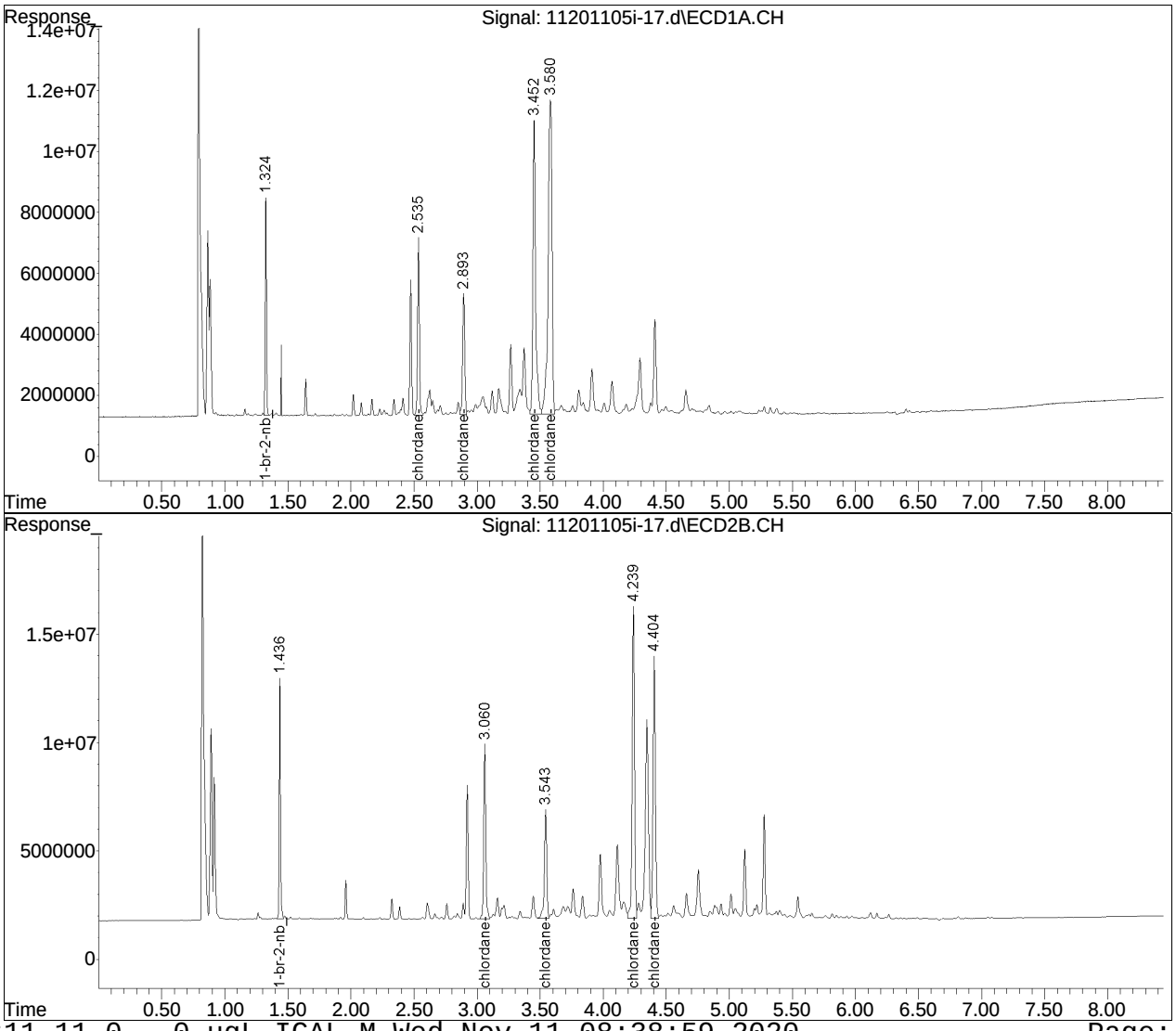
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-17.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 7:31 pm
Operator : PEST11:kb
Sample : il6chlor,42e,, pp10182 0.5 (Sig #1); il4chlor,42e,, pp10182 0.5 (S
Misc : WG1432978,
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:24:02 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:23:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest11\201105ICAL\	QMethod	: pest11_11_05_20_ugL_ICAL
Data File	: 11201105i-17.d	Operator	: PEST11:kb
Date Inj'd	: 11/5/2020 7:31 pm	Instrument	: Pest 11
Sample	: il6chlor,42e,, pp10182 0.5	Quant Date	: 11/6/2020 2:23 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 7:43 pm
Operator : PEST11:kb
Sample : il7chlor,42e,, pp10182 1.0
Misc : WG1432978,
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:23:14 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:22:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.326	1.438	48687352	78156994	25.000	25.000
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 7:43 pm
Operator : PEST11:kb
Sample : il7chlor,42e,, pp10182 1.0
Misc : WG1432978,
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:23:14 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:22:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.536	3.062	115.4E6	187.2E6	1215.894	1209.228
30) l1	chlordane-3	2.895	3.545	91930712	133.1E6	771.036	679.269
31) l1	chlordane-4	3.453	4.240	291.5E6	395.9E6	914.151	935.179
32) l1	chlordane-5	3.582	4.405	455.9E6	323.7E6	935.751	915.536
Sum	chlordane-1			954.6E6	1039.8E6	NoCal	NoCal D
Average	chlordane-1					959.208	934.803
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

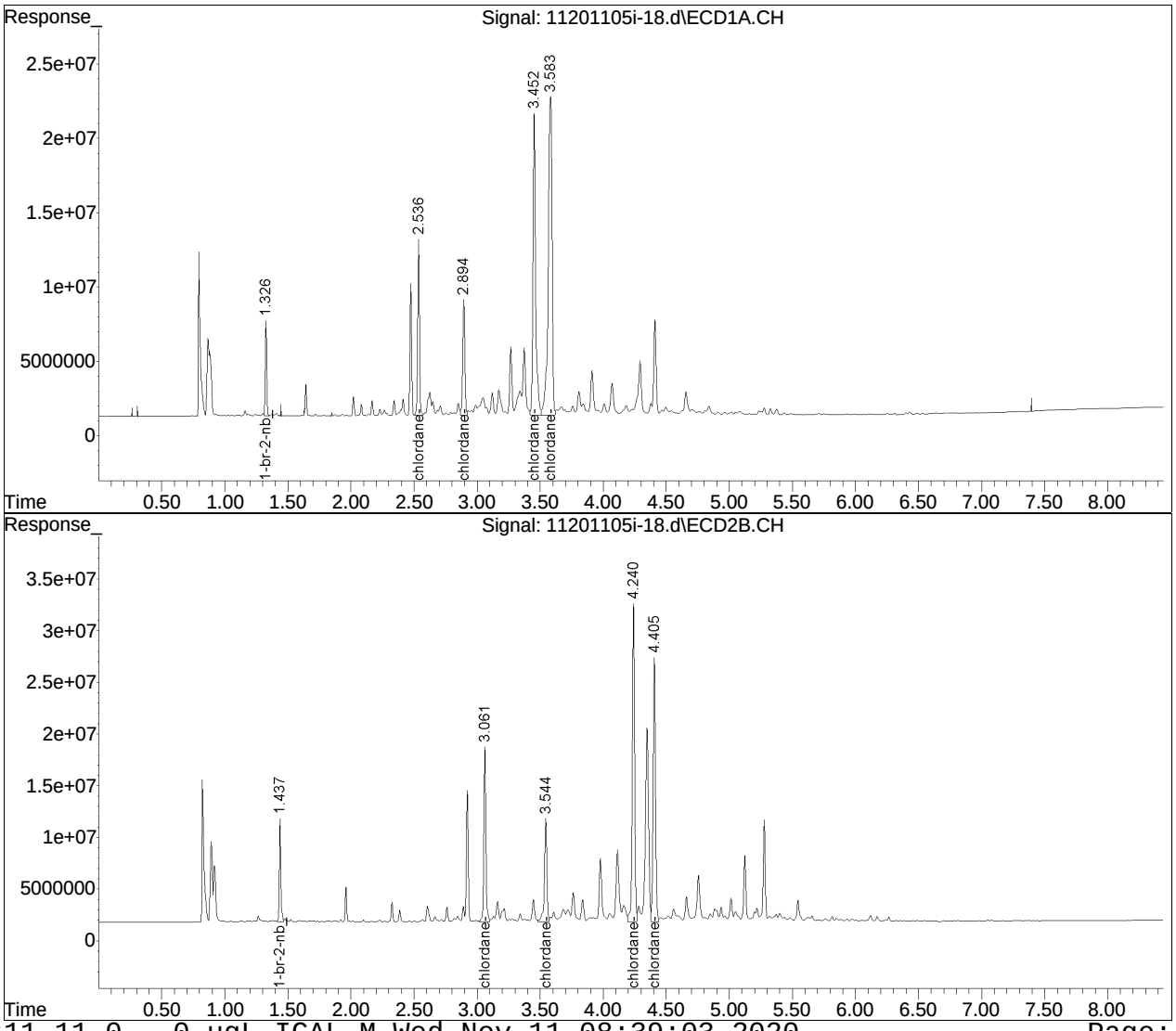
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-18.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 7:43 pm
Operator : PEST11:kb
Sample : il7chlor,42e,, pp10182 1.0
Misc : WG1432978,
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:23:14 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:22:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest11\201105ICAL\	QMethod	: pest11_11_05_20_ugL_ICAL
Data File	: 11201105i-18.d	Operator	: PEST11:kb
Date Inj'd	: 11/5/2020 7:43 pm	Instrument	: Pest 11
Sample	: il7chlor,42e,, pp10182 1.0	Quant Date	: 11/6/2020 2:22 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 7:54 pm
Operator : PEST11:kb
Sample : il8chlor,42e,, pp10182 2.0
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:32:20 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:32:11 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.326	1.438	51977987	75104699	25.000M3	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 7:54 pm
Operator : PEST11:kb
Sample : il8chlor,42e,, pp10182 2.0
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:32:20 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:32:11 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.537	3.062	209.9E6	341.7E6	1993.853	2005.510
30) l1	chlordane-3	2.895	3.545	160.4E6	232.1E6	2004.210	2009.983
31) l1	chlordane-4	3.454	4.240	527.6E6	718.0E6	1988.682	2001.293
32) l1	chlordane-5	3.582	4.405	822.5E6	582.9E6	1988.133	2002.974
Sum	chlordane-1			1720.5E6	1874.7E6	NoCal	NoCal D
Average	chlordane-1					1993.720	2004.940
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

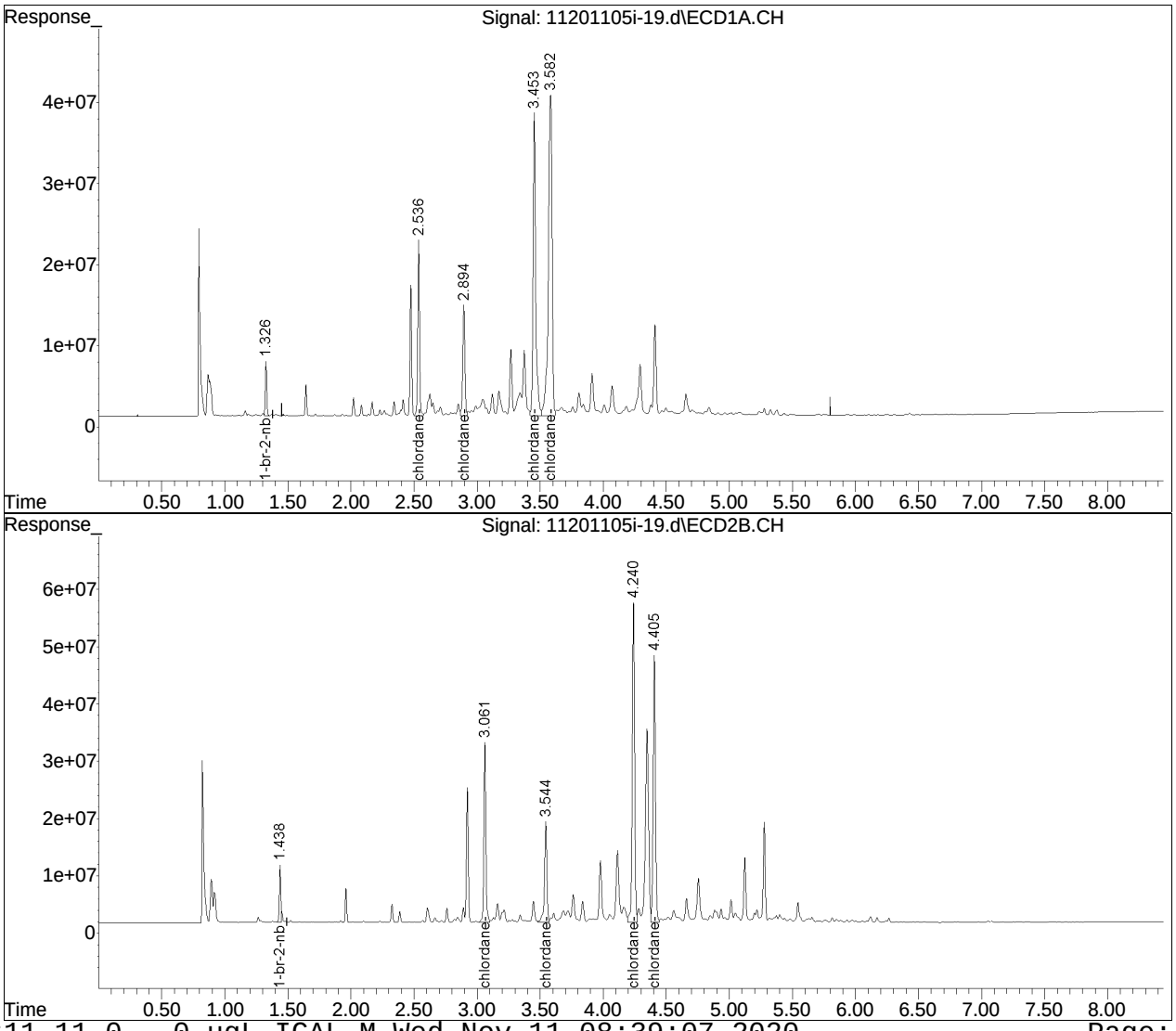
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-19.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 7:54 pm
Operator : PEST11:kb
Sample : il8chlor,42e,, pp10182 2.0
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:32:20 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:32:11 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

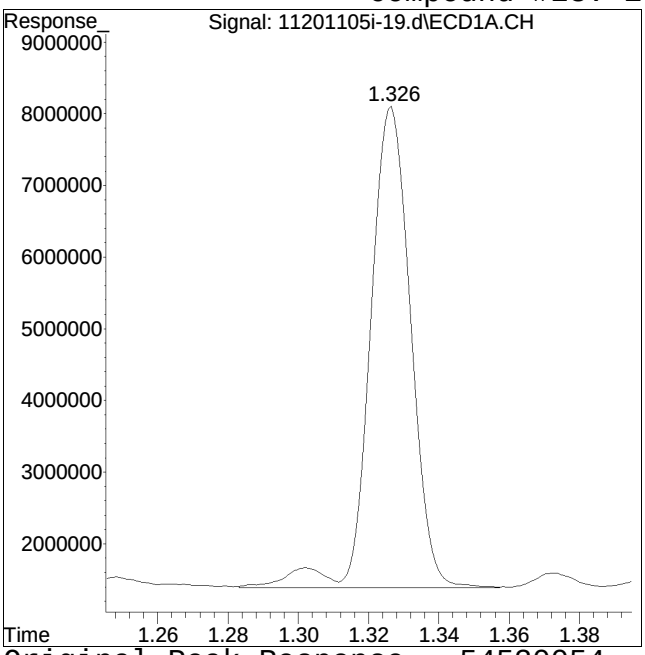
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

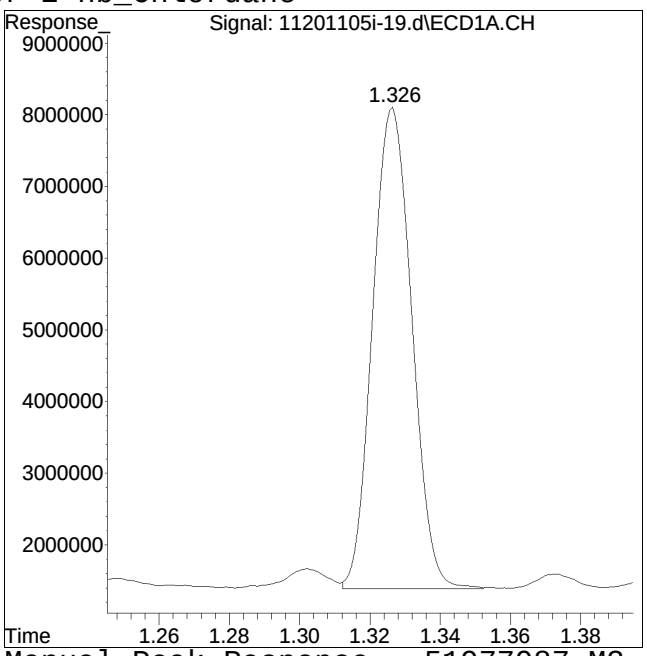


Manual Integration Report

Data Path : I:\Pest11\201105ICAL\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201105i-19.d Operator : PEST11:kb
Date Inj'd : 11/5/2020 7:54 pm Instrument : Pest 11
Sample : il8chlor,42e,, pp10182 2.0 Quant Date : 11/6/2020 2:32 pm

Compound #28: 1-br-2-nb_Chlordane



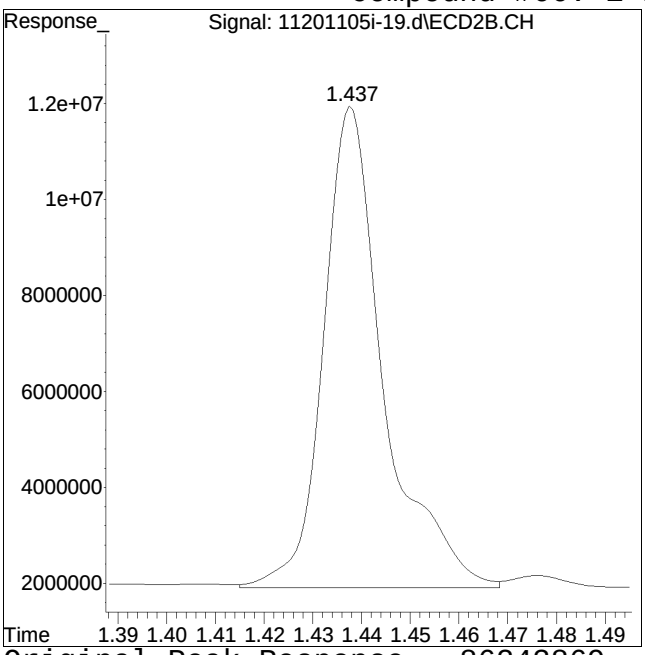


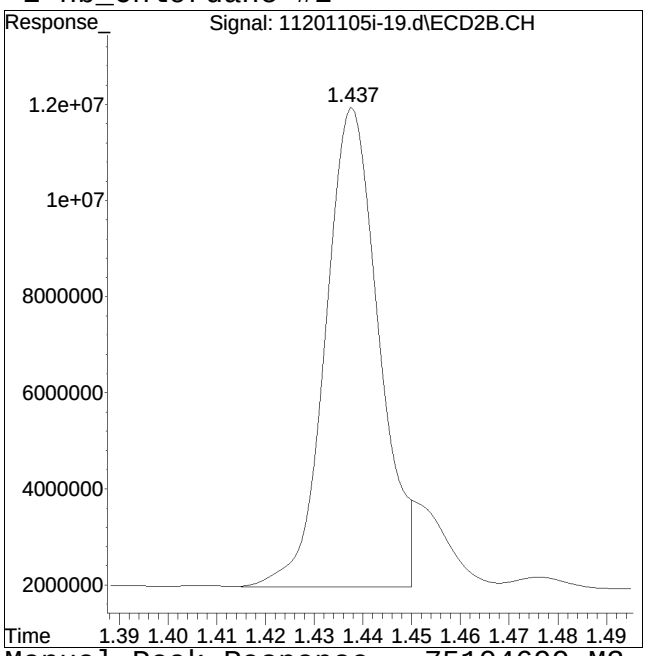
Original Peak Response = 54530054 Manual Peak Response = 51977987 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest11\201105ICAL\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201105i-19.d Operator : PEST11:kb
Date Inj'd : 11/5/2020 7:54 pm Instrument : Pest 11
Sample : il8chlor,42e,, pp10182 2.0 Quant Date : 11/6/2020 2:32 pm

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 86243869 Manual Peak Response = 75104699 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 05 Nov 2020   8:06 pm
Operator : PEST11:kb
Sample   : cicvchlor,42e,, pp10179
Misc   : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:32:55 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:32:45 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	97	0.00
29	l1	chlordane-1	1000.000	856.179	14.4	84	0.06
30	l1	chlordane-3	1000.000	897.733	10.2	89	0.35
31	l1	chlordane-4	1000.000	977.022	2.3	94	0.00
32	l1	chlordane-5	1000.000	1082.387	-8.2	102	-0.01

Signal #2

28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	92	0.00
29	l1	chlordane-1	1000.000	906.118	9.4	84	0.13
30	l1	chlordane-3	1000.000	954.227	4.6	89	0.48
31	l1	chlordane-4	1000.000	988.437	1.2	91	0.00
32	l1	chlordane-5	1000.000	923.296	7.7	85	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	0	-1.33#
2	s	2,4,5,6-Tetrachloro-m-xylen	10.000	0.000	100.0#	0	-1.67#
3	t	Hexachlorobenzene	10.000	0.000	100.0#	0	-1.88#
4	t	alpha-BHC	10.000	0.000	100.0#	0	-1.98#
5	t	gamma-BHC (lindane)	10.000	0.000	100.0#	0	-2.19#
6	t	beta-BHC	10.000	0.000	100.0#	0	-2.24#
7	t	delta-BHC	10.000	0.000	100.0#	0	-2.37#
8	t	Heptachlor	10.000	0.000	100.0#	0	-2.53#
9	t	Aldrin	10.000	0.000	100.0#	0	-2.78#
10	t	Alachlor	10.000	0.000	100.0#	0	-2.90#
11	t	Chlorpyrifos	10.000	0.000	100.0#	0	-2.99#
12	t	Heptachlor Epoxide	10.000	0.000	100.0#	0	-3.33#
13	t	gamma-Chlordane (trans)	10.000	0.000	100.0#	0	-3.45#

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 05 Nov 2020   8:06 pm
Operator : PEST11:kb
Sample   : cicvchlor,42e,, pp10179
Misc   : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:32:55 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:32:45 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)	10.000	0.000	100.0#	0	-3.59#
15	t	4,4'-DDE	10.000	0.000	100.0#	0	-3.68#
16	t	Endosulfan I	10.000	0.000	100.0#	0	-3.73#
17	t	Dieldrin	10.000	0.000	100.0#	0	-3.99#
18	t	Endrin	10.000	0.000	100.0#	0	-4.24#
19	t	4,4'-DDD	10.000	0.000	100.0#	0	-4.35#
20	t	Endosulfan II	10.000	0.000	100.0#	0	-4.48#
21	t	4,4'-DDT	10.000	0.000	100.0#	0	-4.64#
22	t	Endrin Aldehyde	10.000	0.000	100.0#	0	-4.90#
23	t	Methoxychlor	10.000	0.000	100.0#	0	-5.13#
24	t	Mirex	10.000	0.000	100.0#	0	-5.18#
25	t	Endosulfan Sulfate	10.000	0.000	100.0#	0	-5.29#
26	t	Endrin Ketone	10.000	0.000	100.0#	0	-5.52#
27	s	Decachlorobiphenyl	10.000	0.000	100.0#	0	-6.31#
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	0	-1.33#
34	l2	toxaphene-2	2000.000	0.000	100.0#	0	-4.49#
35	l2	toxaphene-3	2000.000	0.000	100.0#	0	-4.61#
36	l2	toxaphene-4	2000.000	0.000	100.0#	0	-4.83#
37	l2	toxaphene-5	2000.000	0.000	100.0#	0	-5.21#

Signal #2

1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	0	-1.44#
2	s	2,4,5,6-Tetrachloro-m-xyl	10.000	0.000	100.0#	0	-1.93#
3	t	Hexachlorobenzene	10.000	0.000	100.0#	0	-2.26#
4	t	alpha-BHC	10.000	0.000	100.0#	0	-2.36#
5	t	gamma-BHC (lindane)	10.000	0.000	100.0#	0	-2.65#
6	t	beta-BHC	10.000	0.000	100.0#	0	-2.72#
7	t	delta-BHC	10.000	0.000	100.0#	0	-2.99#

Evaluate Continuing Calibration Report

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 05 Nov 2020   8:06 pm
Operator : PEST11:kb
Sample   : cicvchlor,42e,, pp10179
Misc   : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:32:55 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:32:45 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
8	t	Heptachlor	10.000	0.000	100.0#	0	-3.06#
9	t	Aldrin	10.000	0.000	100.0#	0	-3.39#
10	t	Alachlor	10.000	0.000	100.0#	0	-3.27#
11	t	Chlorpyrifos	10.000	0.000	100.0#	0	-3.63#
12	t	Heptachlor Epoxide	10.000	0.000	100.0#	0	-4.02#
13	t	gamma-Chlordane (trans)	10.000	0.000	100.0#	0	-4.24#
14	t	alpha-Chlordane (cis)	10.000	0.000	100.0#	0	-4.40#
15	t	4,4'-DDE	10.000	0.000	100.0#	0	-4.59#
16	t	Endosulfan I	10.000	0.000	100.0#	0	-4.46#
17	t	Dieldrin	10.000	0.000	100.0#	0	-4.75#
18	t	Endrin	10.000	0.000	100.0#	0	-5.04#
19	t	4,4'-DDD	10.000	0.000	100.0#	0	-5.16#
20	t	Endosulfan II	10.000	0.000	100.0#	0	-5.24#
21	t	4,4'-DDT	10.000	0.000	100.0#	0	-5.43#
22	t	Endrin Aldehyde	10.000	0.000	100.0#	0	-5.53#
23	t	Methoxychlor	10.000	0.000	100.0#	0	-5.99#
24	t	Mirex	10.000	0.000	100.0#	0	-6.13#
25	t	Endosulfan Sulfate	10.000	0.000	100.0#	0	-5.75#
26	t	Endrin Ketone	10.000	0.000	100.0#	0	-6.17#
27	s	Decachlorobiphenyl	10.000	0.000	100.0#	0	-7.02#
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	0	-1.45#
34	l2	toxaphene-2	2000.000	0.000	100.0#	0	-5.21#
35	l2	toxaphene-3	2000.000	0.000	100.0#	0	-5.24#
36	l2	toxaphene-4	2000.000	0.000	100.0#	0	-5.55#
37	l2	toxaphene-5	2000.000	0.000	100.0#	0	-5.94#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 8:06 pm
Operator : PEST11:kb
Sample : cicvchlor,42e,, pp10179
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:32:55 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:32:45 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.325	1.436	47433628	71617395	25.000M4	25.000M3
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 8:06 pm
Operator : PEST11:kb
Sample : cicvchlor,42e,, pp10179
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:32:55 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:32:45 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.536	3.061	96829471	157.5E6	856.179	906.118
30) l1	chlordane-3	2.894	3.544	81905736	118.2E6	897.733	954.227
31) l1	chlordane-4	3.452	4.240	272.6E6	358.8E6	977.022	988.437
32) l1	chlordane-5	3.575	4.405	465.2E6	276.2E6	1082.387	923.296
Sum	chlordane-1			916.6E6	910.7E6	NoCal	NoCal D
Average	chlordane-1					953.330	943.019
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

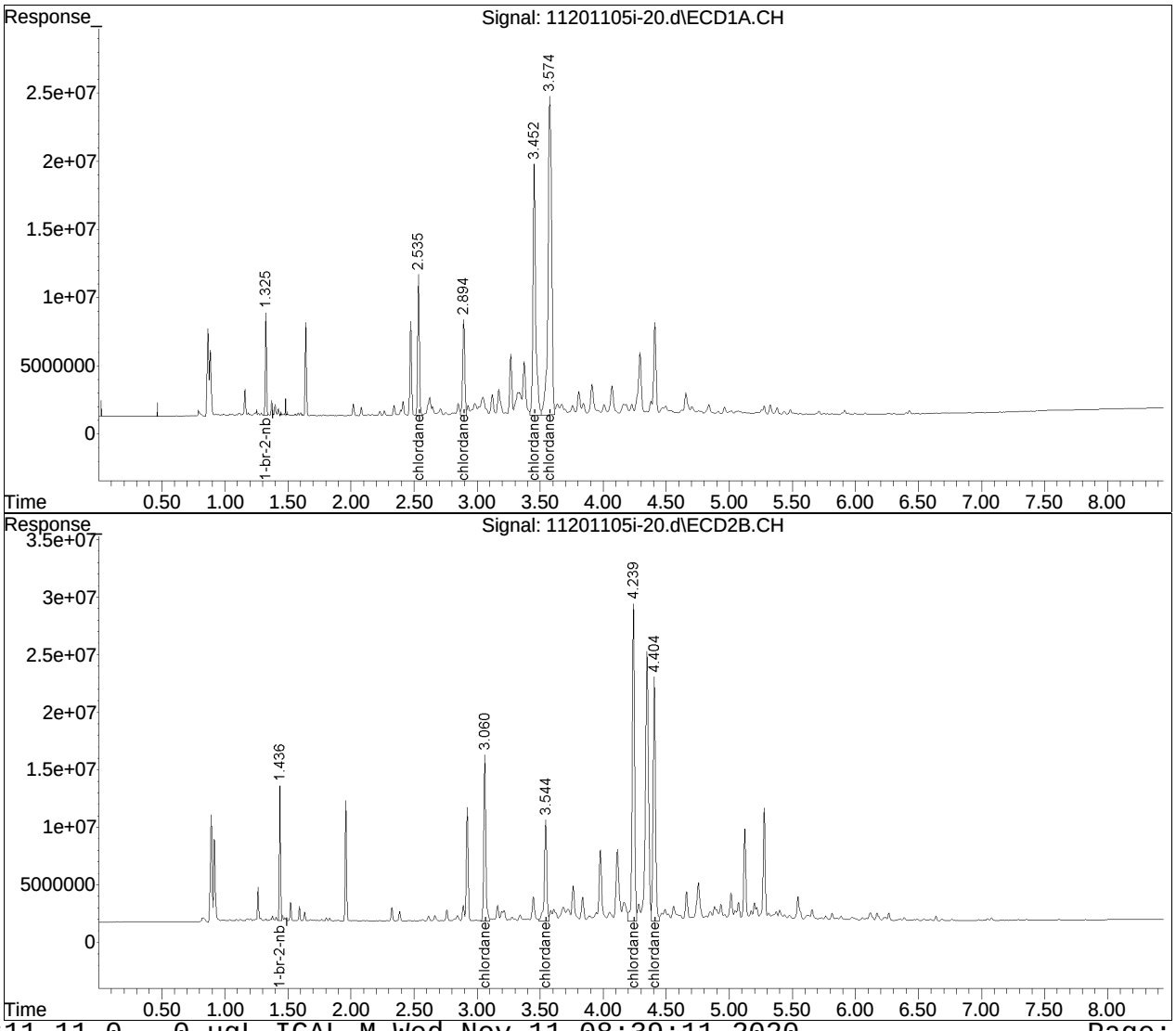
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-20.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 8:06 pm
Operator : PEST11:kb
Sample : cicvchlor,42e,, pp10179
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:32:55 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:32:45 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

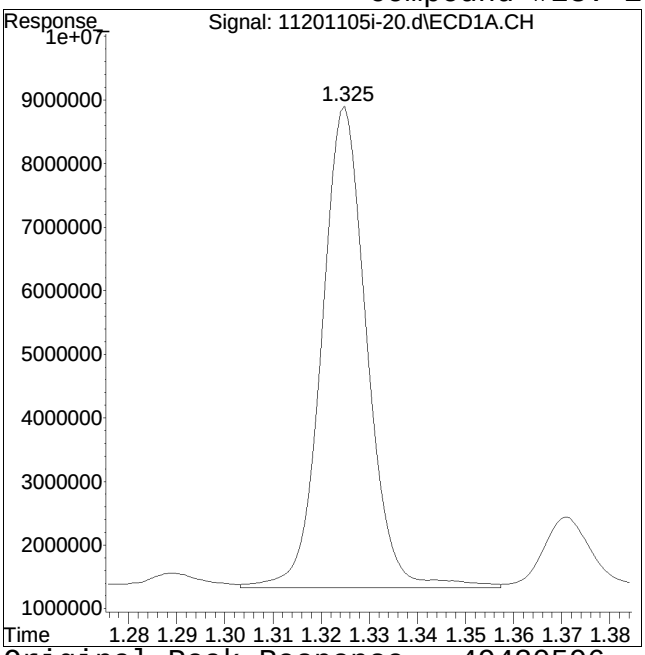


Manual Integration Report

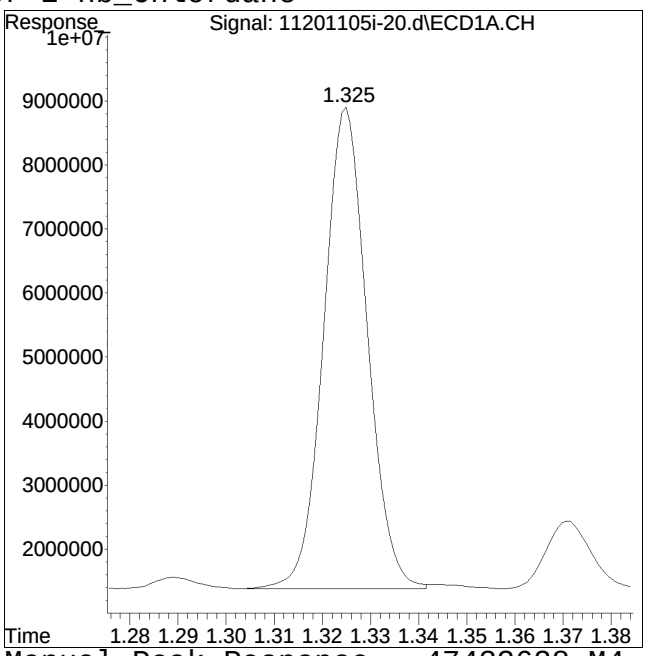
Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-20.d
Date Inj'd : 11/5/2020 8:06 pm
Sample : cicvchlor,42e,, pp10179

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:kb
Instrument : Pest 11
Quant Date : 11/6/2020 2:32 pm

Compound #28: 1-br-2-nb_Chlordane



Original Peak Response = 49430596



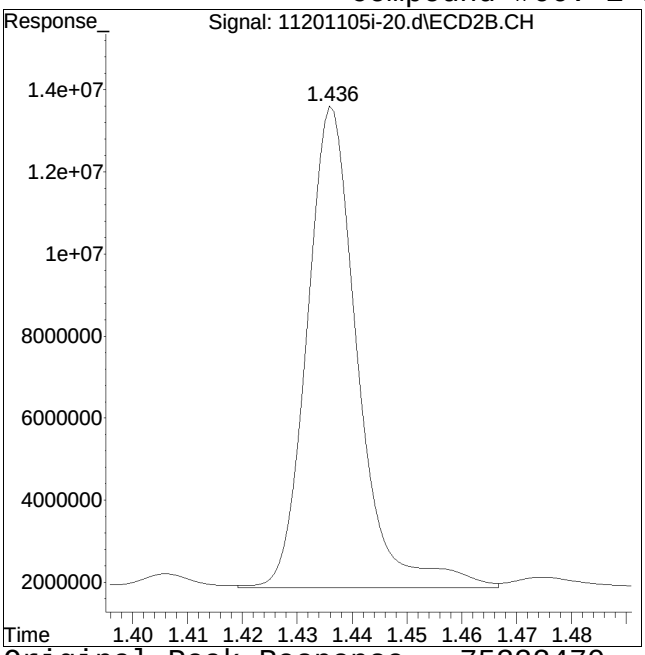
Manual Peak Response = 47433628 M4

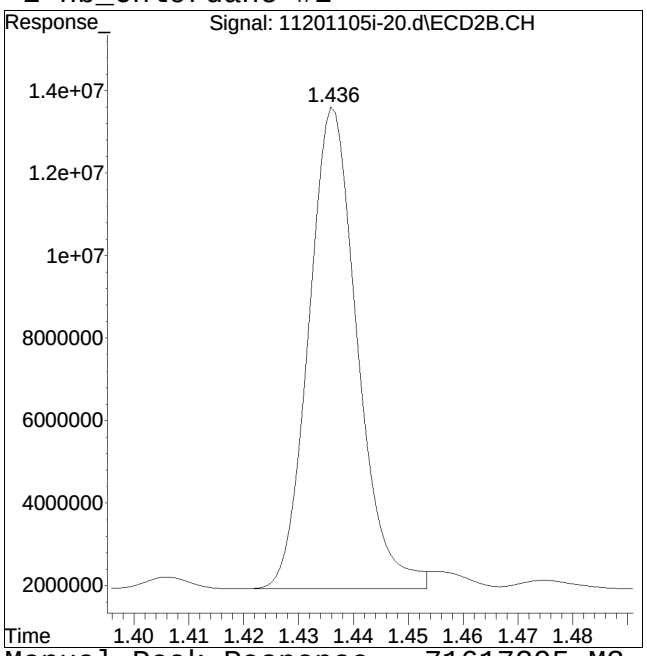
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest11\201105ICAL\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201105i-20.d Operator : PEST11:kb
Date Inj'd : 11/5/2020 8:06 pm Instrument : Pest 11
Sample : cicvchlor,42e,, pp10179 Quant Date : 11/6/2020 2:32 pm

Compound #66: 1-br-2-nb_Chlordane #2





Original Peak Response = 75332470 Manual Peak Response = 71617395 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 8:17 pm
Operator : PEST11:kb
Sample : il2tox,42e,, 100x pp10176
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:41:14 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.325	1.436	43474842	66456955	25.000M4	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 8:17 pm
Operator : PEST11:kb
Sample : il2tox,42e,, 100x pp10176
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:41:14 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.473	5.195	1793345	1088116	22.564M4	19.233M2
35) l2	toxaphene-3	4.594	5.223	1521468	1711193	19.271M2	20.191
36) l2	toxaphene-4	4.818	5.535	1473219	1761080	17.454M2	18.356
37) l2	toxaphene-5	5.198	5.942	1800208	1610035	22.754M4	18.912
Sum	toxaphene-2			6588239	6170424	82.043	76.692
Average	toxaphene-2					20.511	19.173

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			6588239	6170424	82.043	76.692
Average	toxaphene-2					20.511	19.173

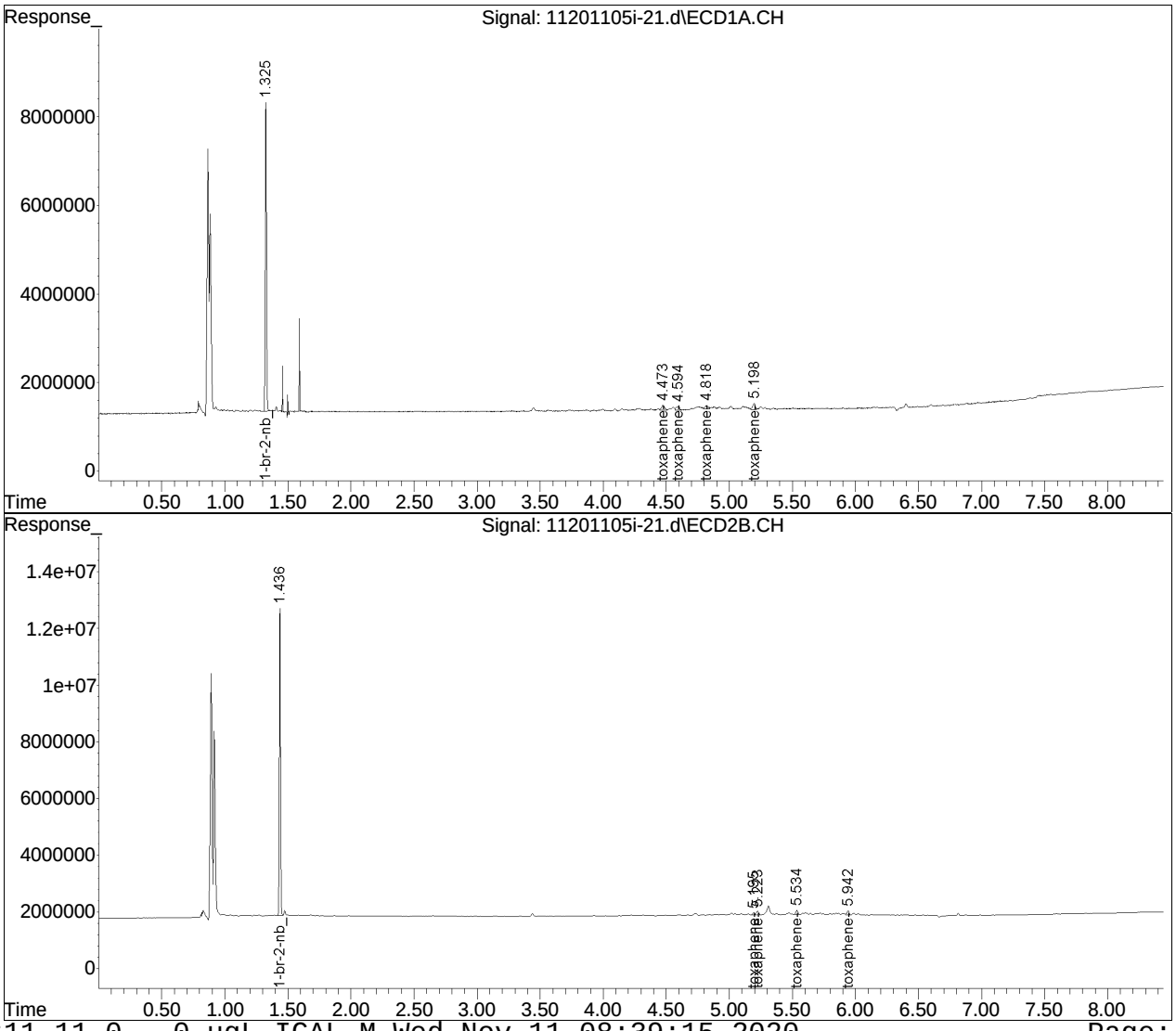
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-21.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 8:17 pm
Operator : PEST11:kb
Sample : il2tox,42e,, 100x pp10176
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:41:14 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

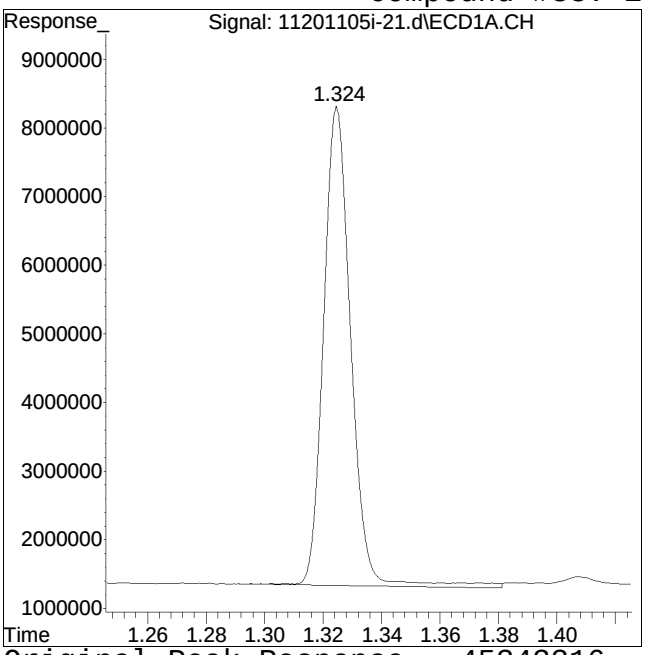
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



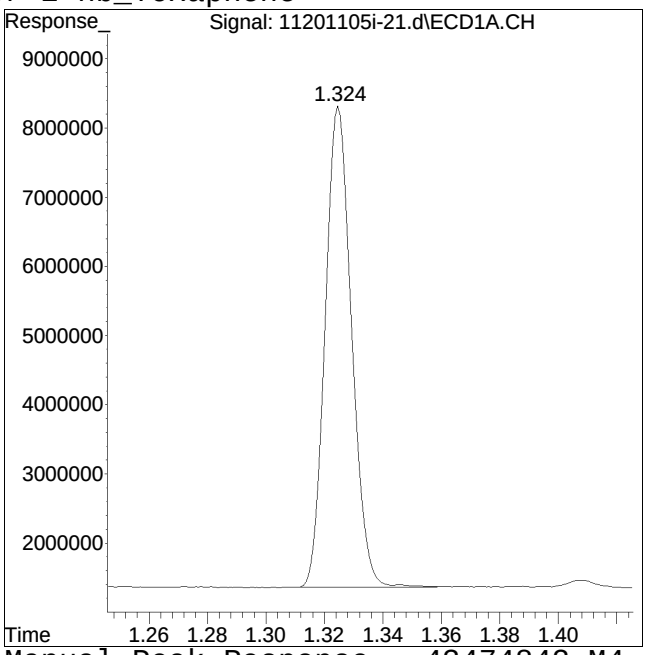
Manual Integration Report

Data Path : I:\Pest11\201105ICAL\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201105i-21.d Operator : PEST11:kb
Date Inj'd : 11/5/2020 8:17 pm Instrument : Pest 11
Sample : il2tox,42e,, 100x pp10176 Quant Date : 11/6/2020 2:38 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 45343316



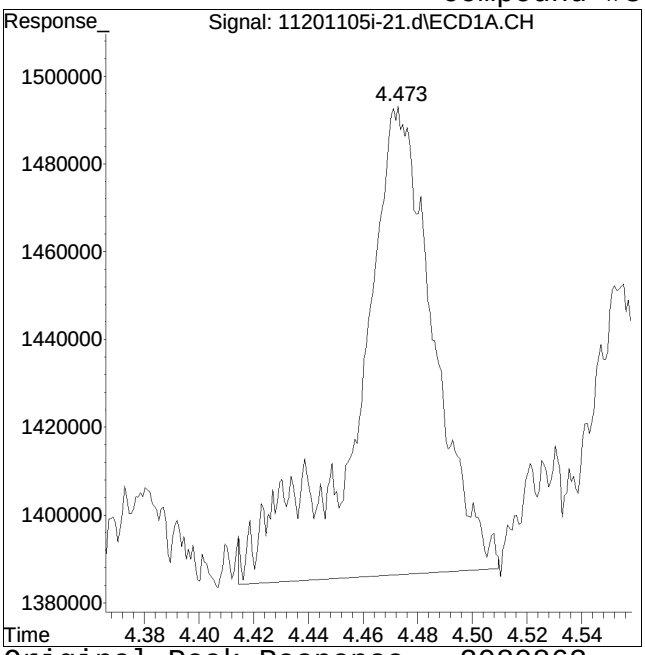
Manual Peak Response = 43474842 M4

M4 = Poor automated baseline construction.

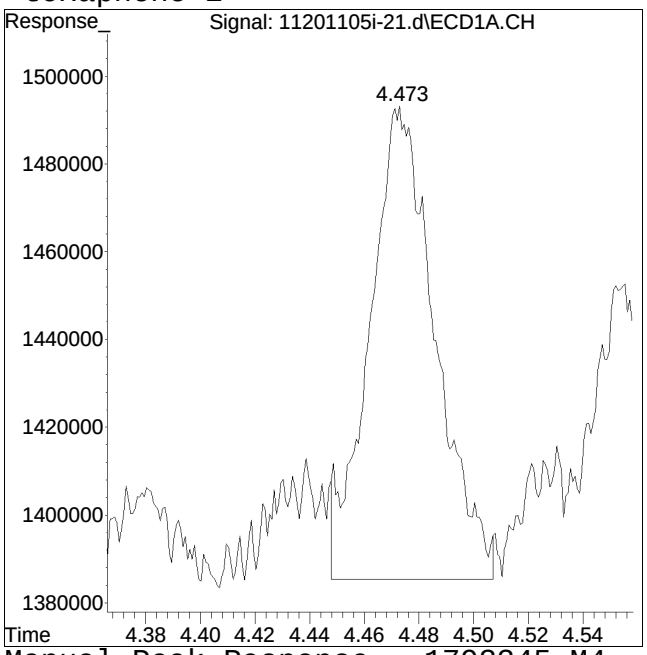
Manual Integration Report

Data Path : I:\Pest11\201105ICAL\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201105i-21.d Operator : PEST11:kb
Date Inj'd : 11/5/2020 8:17 pm Instrument : Pest 11
Sample : il2tox,42e,, 100x pp10176 Quant Date : 11/6/2020 2:38 pm

Compound #34: toxaphene-2



Original Peak Response = 2080863



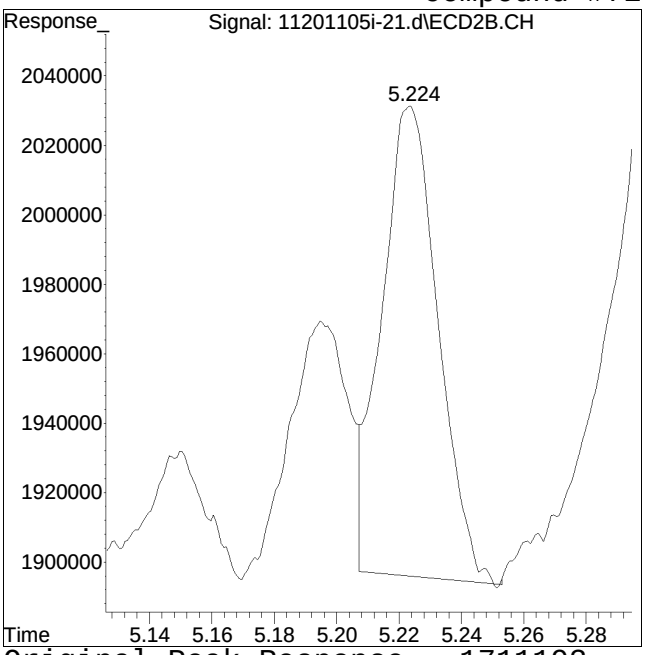
Manual Peak Response = 1793345 M4

M4 = Poor automated baseline construction.

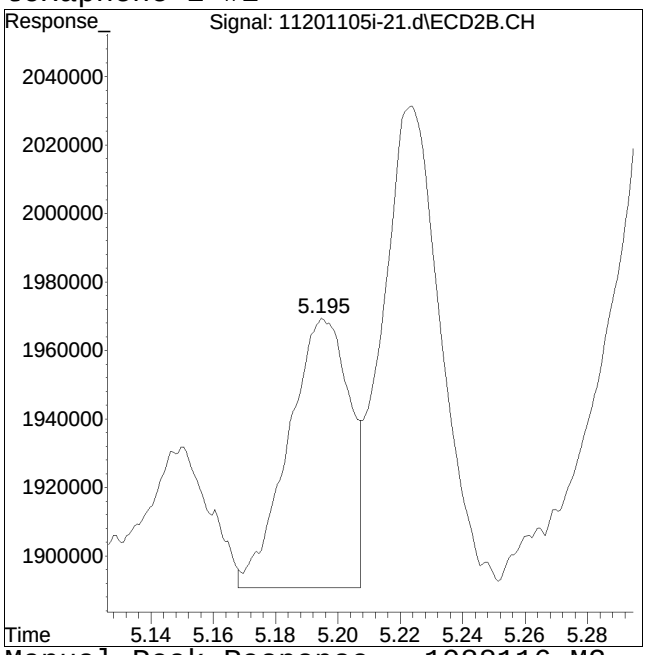
Manual Integration Report

Data Path : I:\Pest11\201105ICAL\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201105i-21.d Operator : PEST11:kb
Date Inj'd : 11/5/2020 8:17 pm Instrument : Pest 11
Sample : il2tox,42e,, 100x pp10176 Quant Date : 11/6/2020 2:38 pm

Compound #72: toxaphene-2 #2



Original Peak Response = 1711193



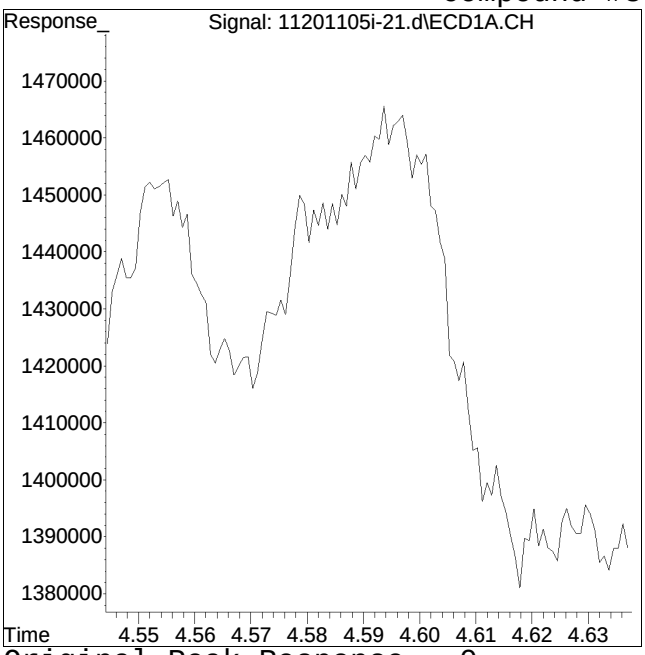
Manual Peak Response = 1088116 M2

M2 = Peak not found by automatic integration algorithm.

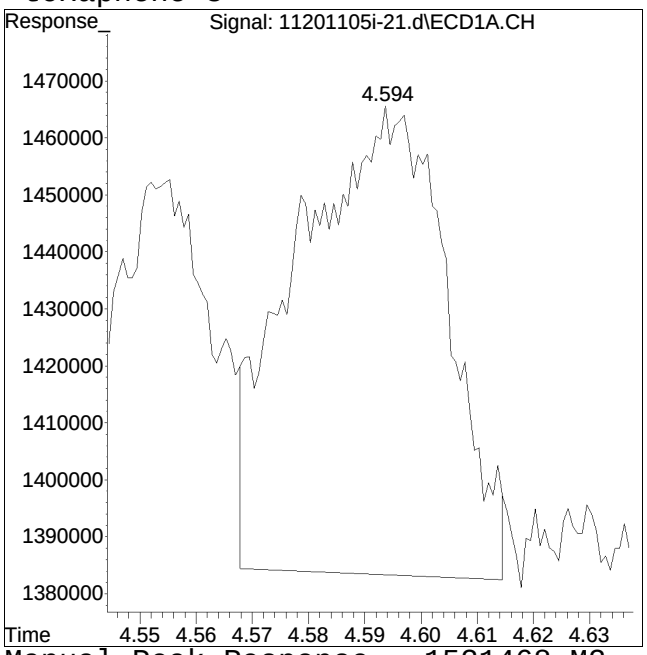
Manual Integration Report

Data Path : I:\Pest11\201105ICAL\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201105i-21.d Operator : PEST11:kb
Date Inj'd : 11/5/2020 8:17 pm Instrument : Pest 11
Sample : il2tox,42e,, 100x pp10176 Quant Date : 11/6/2020 2:38 pm

Compound #35: toxaphene-3



Original Peak Response = 0



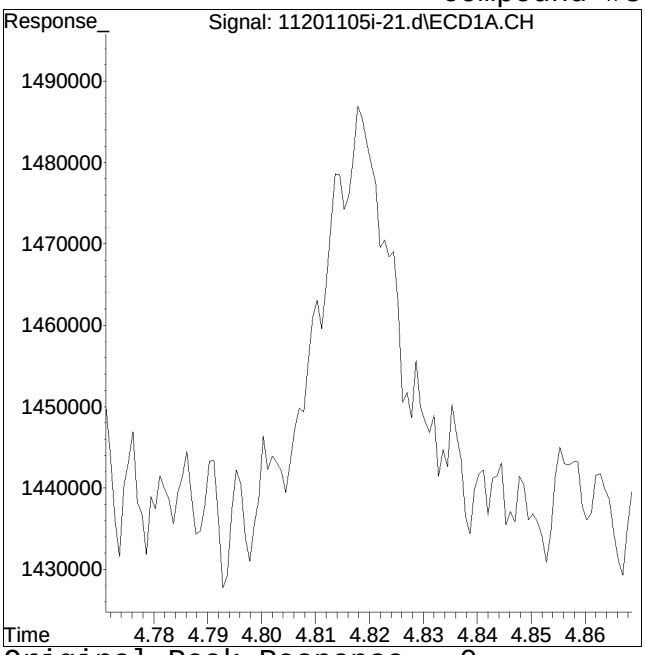
Manual Peak Response = 1521468 M2

M2 = Peak not found by automatic integration algorithm.

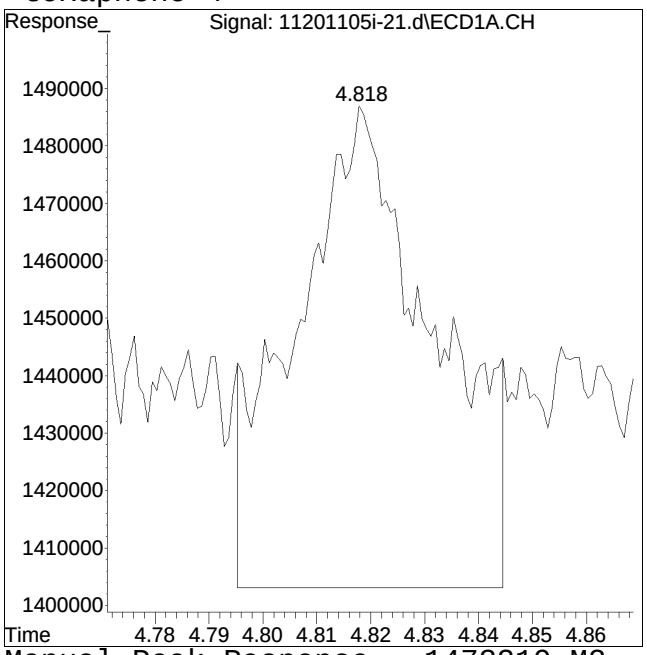
Manual Integration Report

Data Path : I:\Pest11\201105ICAL\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201105i-21.d Operator : PEST11:kb
Date Inj'd : 11/5/2020 8:17 pm Instrument : Pest 11
Sample : il2tox,42e,, 100x pp10176 Quant Date : 11/6/2020 2:38 pm

Compound #36: toxaphene-4



Original Peak Response = 0



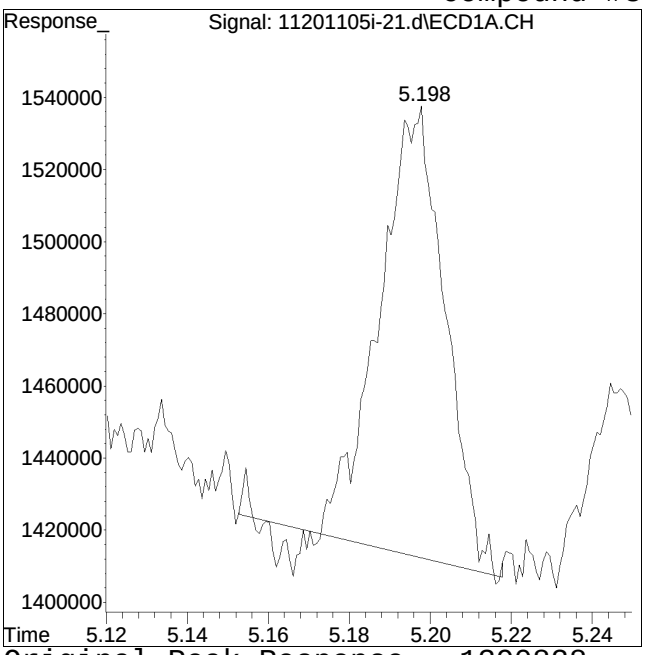
Manual Peak Response = 1473219 M2

M2 = Peak not found by automatic integration algorithm.

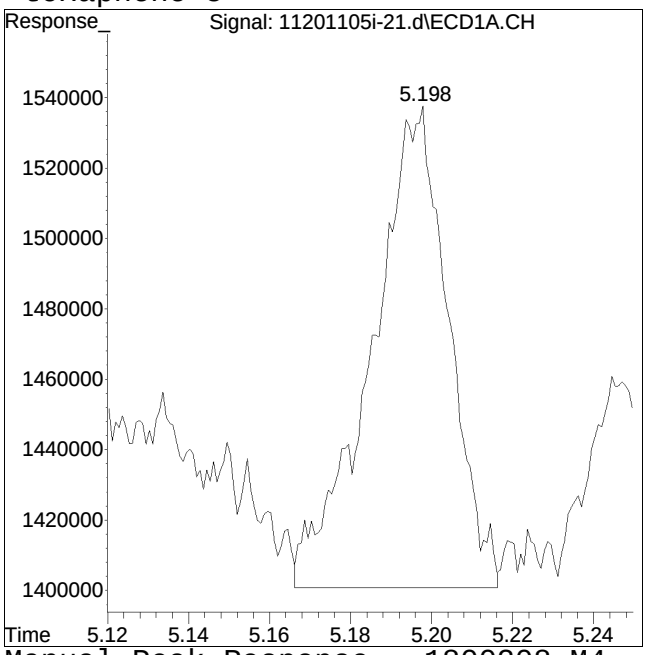
Manual Integration Report

Data Path : I:\Pest11\201105ICAL\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201105i-21.d Operator : PEST11:kb
Date Inj'd : 11/5/2020 8:17 pm Instrument : Pest 11
Sample : il2tox,42e,, 100x pp10176 Quant Date : 11/6/2020 2:38 pm

Compound #37: toxaphene-5



Original Peak Response = 1390828



Manual Peak Response = 1800208 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 8:28 pm
Operator : PEST11:kb
Sample : il7tox,42e,, pp10176
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:35:23 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.326	1.437	46905540	70181148	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 8:28 pm
Operator : PEST11:kb
Sample : il7tox,42e,, pp10176
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:35:23 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.474	5.195	182.1E6	127.3E6	NoCal	NoCal
35) l2	toxaphene-3	4.596	5.224	191.6E6	187.3E6	NoCal	NoCal
36) l2	toxaphene-4	4.820	5.535	193.3E6	212.7E6	NoCal	NoCal
37) l2	toxaphene-5	5.197	5.942	180.6E6	189.8E6	NoCal	NoCal
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

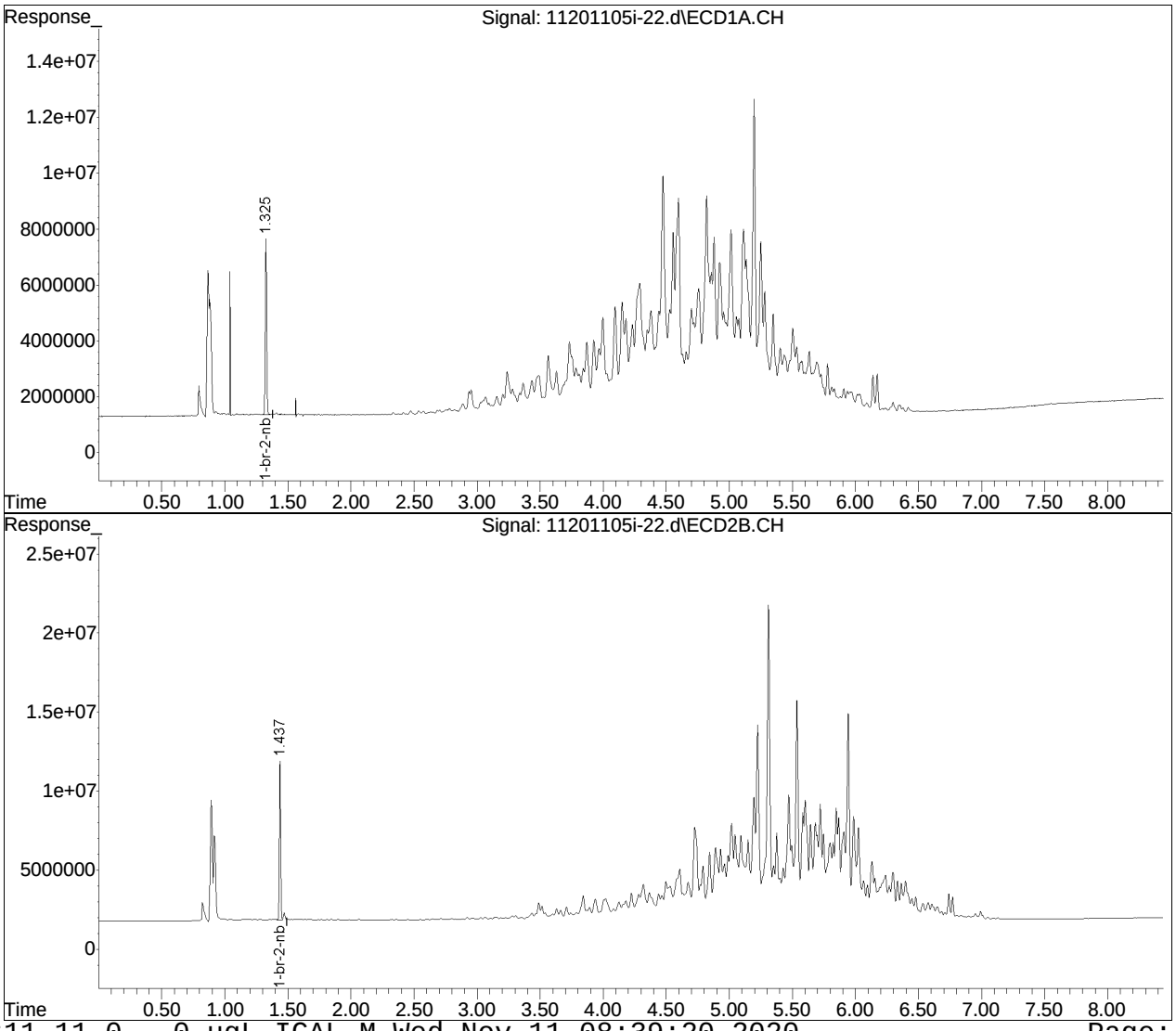
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-22.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 8:28 pm
Operator : PEST11:kb
Sample : il7tox,42e,, pp10176
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:35:23 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest11\201105ICAL\	QMethod	: pest11_11_05_20_ugL_ICAL
Data File	: 11201105i-22.d	Operator	: PEST11:kb
Date Inj'd	: 11/5/2020 8:28 pm	Instrument	: Pest 11
Sample	: il7tox,42e,, pp10176	Quant Date	: 11/6/2020 2:33 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 8:40 pm
Operator : PEST11:kb
Sample : il8tox,42e,, 2x pp10039
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:37:01 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.324	1.436	49330948	71366644	25.000M4	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 8:40 pm
Operator : PEST11:kb
Sample : il8tox,42e,, 2x pp10039
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:37:01 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.474	5.195	423.1E6	283.9E6	4419.785	4385.735
35) l2	toxaphene-3	4.596	5.224	392.2E6	433.8E6	3892.680	4554.356
36) l2	toxaphene-4	4.819	5.536	449.5E6	489.6E6	4422.108	4528.313
37) l2	toxaphene-5	5.196	5.943	422.8E6	431.7E6	4450.363	4472.842
Sum	toxaphene-2			1687.6E6	1639.0E6	17184.937	17941.246
Average	toxaphene-2					4296.234	4485.311

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			1687.6E6	1639.0E6	17184.937	17941.246
Average	toxaphene-2					4296.234	4485.311

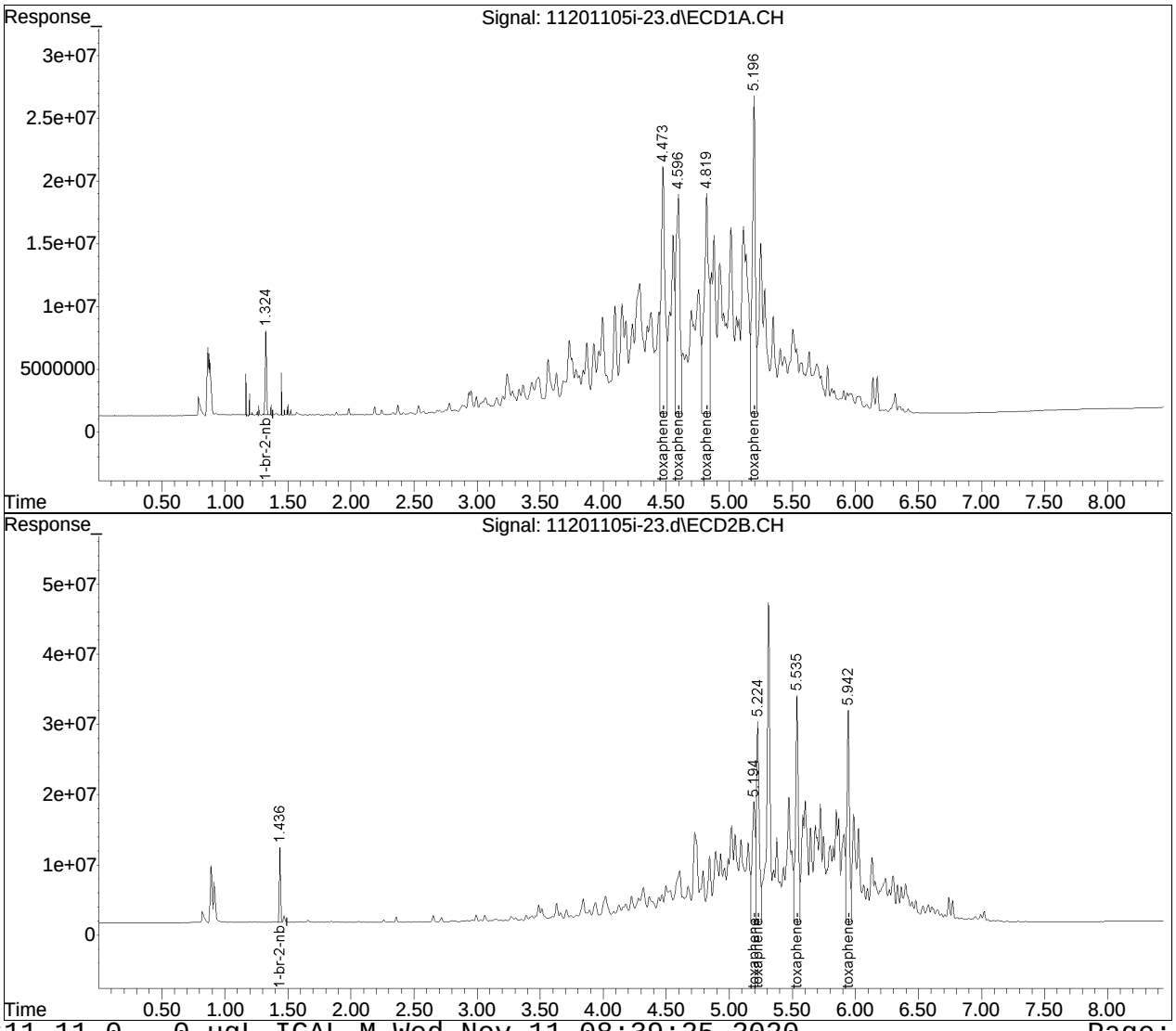
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-23.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 8:40 pm
Operator : PEST11:kb
Sample : il8tox,42e,, 2x pp10039
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:37:01 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

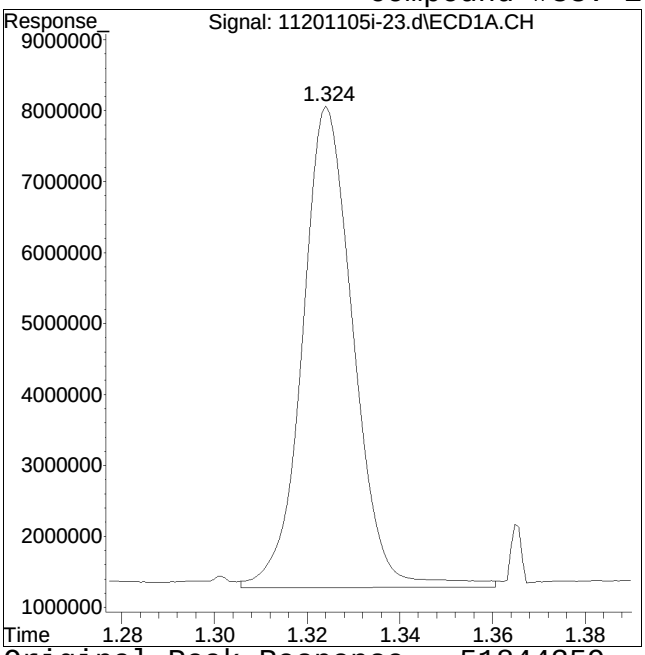


Manual Integration Report

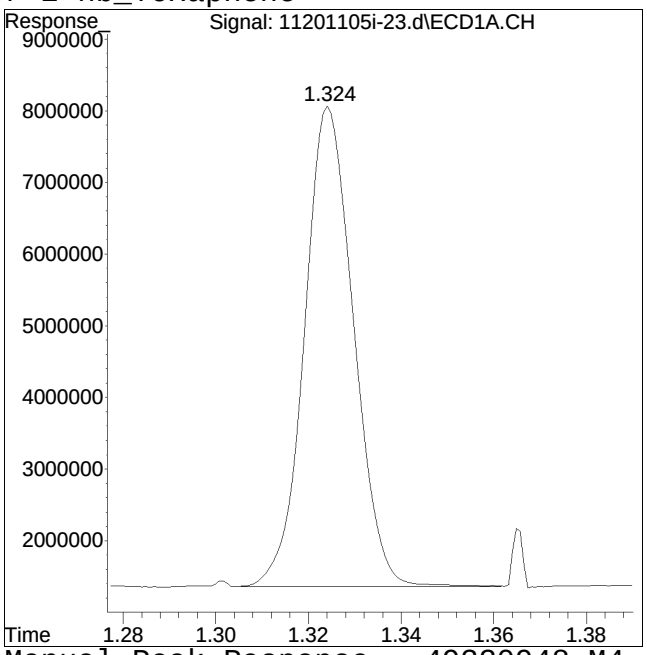
Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-23.d
Date Inj'd : 11/5/2020 8:40 pm
Sample : il8tox,42e,, 2x pp10039

QMethod : pest11_11_05_20_ugL_ICAL
Operator : PEST11:kb
Instrument : Pest 11
Quant Date : 11/6/2020 2:36 pm

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 51844359



Manual Peak Response = 49330948 M4

M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 05 Nov 2020   8:51 pm
Operator : PEST11:kb
Sample   : cicvtox,42e,, pp10098
Misc   : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:45:16 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:38 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	99	0.00
34	l2	toxaphene-2	2000.000	1781.026	10.9	87	-0.01
35	l2	toxaphene-3	2000.000	1757.359	12.1	77	-0.01
36	l2	toxaphene-4	2000.000	1925.205	3.7	86	-0.01
37	l2	toxaphene-5	2000.000	1754.153	12.3	86	-0.01

Signal #2

33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	98	0.00
34	l2	toxaphene-2	2000.000	1900.876	5.0	87	-0.01
35	l2	toxaphene-3	2000.000	1836.096	8.2	86	-0.01
36	l2	toxaphene-4	2000.000	1882.984	5.9	86	-0.01
37	l2	toxaphene-5	2000.000	1872.627	6.4	86	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	0	-1.33#
2	s	2,4,5,6-Tetrachloro-m-xylen	10.000	0.000	100.0#	0	-1.67#
3	t	Hexachlorobenzene	10.000	0.000	100.0#	0	-1.88#
4	t	alpha-BHC	10.000	0.000	100.0#	0	-1.98#
5	t	gamma-BHC (lindane)	10.000	0.000	100.0#	0	-2.19#
6	t	beta-BHC	10.000	0.000	100.0#	0	-2.24#
7	t	delta-BHC	10.000	0.000	100.0#	0	-2.37#
8	t	Heptachlor	10.000	0.000	100.0#	0	-2.53#
9	t	Aldrin	10.000	0.000	100.0#	0	-2.78#
10	t	Alachlor	10.000	0.000	100.0#	0	-2.90#
11	t	Chlorpyrifos	10.000	0.000	100.0#	0	-2.99#
12	t	Heptachlor Epoxide	10.000	0.000	100.0#	0	-3.33#
13	t	gamma-Chlordane (trans)	10.000	0.000	100.0#	0	-3.45#

Evaluate Continuing Calibration Report

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 05 Nov 2020   8:51 pm
Operator : PEST11:kb
Sample   : cicvtox,42e,, pp10098
Misc   : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:45:16 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:38 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)	10.000	0.000	100.0#	0	-3.59#
15	t	4,4'-DDE	10.000	0.000	100.0#	0	-3.68#
16	t	Endosulfan I	10.000	0.000	100.0#	0	-3.73#
17	t	Dieldrin	10.000	0.000	100.0#	0	-3.99#
18	t	Endrin	10.000	0.000	100.0#	0	-4.24#
19	t	4,4'-DDD	10.000	0.000	100.0#	0	-4.35#
20	t	Endosulfan II	10.000	0.000	100.0#	0	-4.48#
21	t	4,4'-DDT	10.000	0.000	100.0#	0	-4.64#
22	t	Endrin Aldehyde	10.000	0.000	100.0#	0	-4.90#
23	t	Methoxychlor	10.000	0.000	100.0#	0	-5.13#
24	t	Mirex	10.000	0.000	100.0#	0	-5.18#
25	t	Endosulfan Sulfate	10.000	0.000	100.0#	0	-5.29#
26	t	Endrin Ketone	10.000	0.000	100.0#	0	-5.52#
27	s	Decachlorobiphenyl	10.000	0.000	100.0#	0	-6.31#
28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	0	-1.33#
29	l1	chlordane-1	1000.000	0.000	100.0#	0	-2.48#
30	l1	chlordane-3	1000.000	0.000	100.0#	0	-2.54#
31	l1	chlordane-4	1000.000	0.000	100.0#	0	-3.46#
32	l1	chlordane-5	1000.000	0.000	100.0#	0	-3.59#

Signal #2

1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	0	-1.44#
2	s	2,4,5,6-Tetrachloro-m-xyl	10.000	0.000	100.0#	0	-1.93#
3	t	Hexachlorobenzene	10.000	0.000	100.0#	0	-2.26#
4	t	alpha-BHC	10.000	0.000	100.0#	0	-2.36#
5	t	gamma-BHC (lindane)	10.000	0.000	100.0#	0	-2.65#
6	t	beta-BHC	10.000	0.000	100.0#	0	-2.72#
7	t	delta-BHC	10.000	0.000	100.0#	0	-2.99#

Evaluate Continuing Calibration Report

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 05 Nov 2020   8:51 pm
Operator : PEST11:kb
Sample   : cicvtox,42e,, pp10098
Misc   : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:45:16 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:38 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
8	t	Heptachlor	10.000	0.000	100.0#	0	-3.06#
9	t	Aldrin	10.000	0.000	100.0#	0	-3.39#
10	t	Alachlor	10.000	0.000	100.0#	0	-3.27#
11	t	Chlorpyrifos	10.000	0.000	100.0#	0	-3.63#
12	t	Heptachlor Epoxide	10.000	0.000	100.0#	0	-4.02#
13	t	gamma-Chlordane (trans)	10.000	0.000	100.0#	0	-4.24#
14	t	alpha-Chlordane (cis)	10.000	0.000	100.0#	0	-4.40#
15	t	4,4'-DDE	10.000	0.000	100.0#	0	-4.59#
16	t	Endosulfan I	10.000	0.000	100.0#	0	-4.46#
17	t	Dieldrin	10.000	0.000	100.0#	0	-4.75#
18	t	Endrin	10.000	0.000	100.0#	0	-5.04#
19	t	4,4'-DDD	10.000	0.000	100.0#	0	-5.16#
20	t	Endosulfan II	10.000	0.000	100.0#	0	-5.24#
21	t	4,4'-DDT	10.000	0.000	100.0#	0	-5.43#
22	t	Endrin Aldehyde	10.000	0.000	100.0#	0	-5.53#
23	t	Methoxychlor	10.000	0.000	100.0#	0	-5.99#
24	t	Mirex	10.000	0.000	100.0#	0	-6.13#
25	t	Endosulfan Sulfate	10.000	0.000	100.0#	0	-5.75#
26	t	Endrin Ketone	10.000	0.000	100.0#	0	-6.17#
27	s	Decachlorobiphenyl	10.000	0.000	100.0#	0	-7.02#
28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	0	-1.44#
29	l1	chlordane-1	1000.000	0.000	100.0#	0	-2.93#
30	l1	chlordane-3	1000.000	0.000	100.0#	0	-3.07#
31	l1	chlordane-4	1000.000	0.000	100.0#	0	-4.25#
32	l1	chlordane-5	1000.000	0.000	100.0#	0	-4.41#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 8:51 pm
Operator : PEST11:kb
Sample : cicvtox,42e,, pp10098
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:45:16 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.325	1.436	46530672	68967518	25.000	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 8:51 pm
Operator : PEST11:kb
Sample : cicvtox,42e,, pp10098
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:45:16 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.474	5.195	158.0E6	110.2E6	1781.026	1900.876
35) l2	toxaphene-3	4.596	5.224	146.7E6	162.0E6	1757.359	1836.096
36) l2	toxaphene-4	4.819	5.536	166.5E6	182.3E6	1925.205	1882.984
37) l2	toxaphene-5	5.196	5.943	155.4E6	162.4E6	1754.153	1872.627
Sum	toxaphene-2			626.6E6	617.0E6	7217.744	7492.583
Average	toxaphene-2					1804.436	1873.146

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			626.6E6	617.0E6	7217.744	7492.583
Average	toxaphene-2					1804.436	1873.146

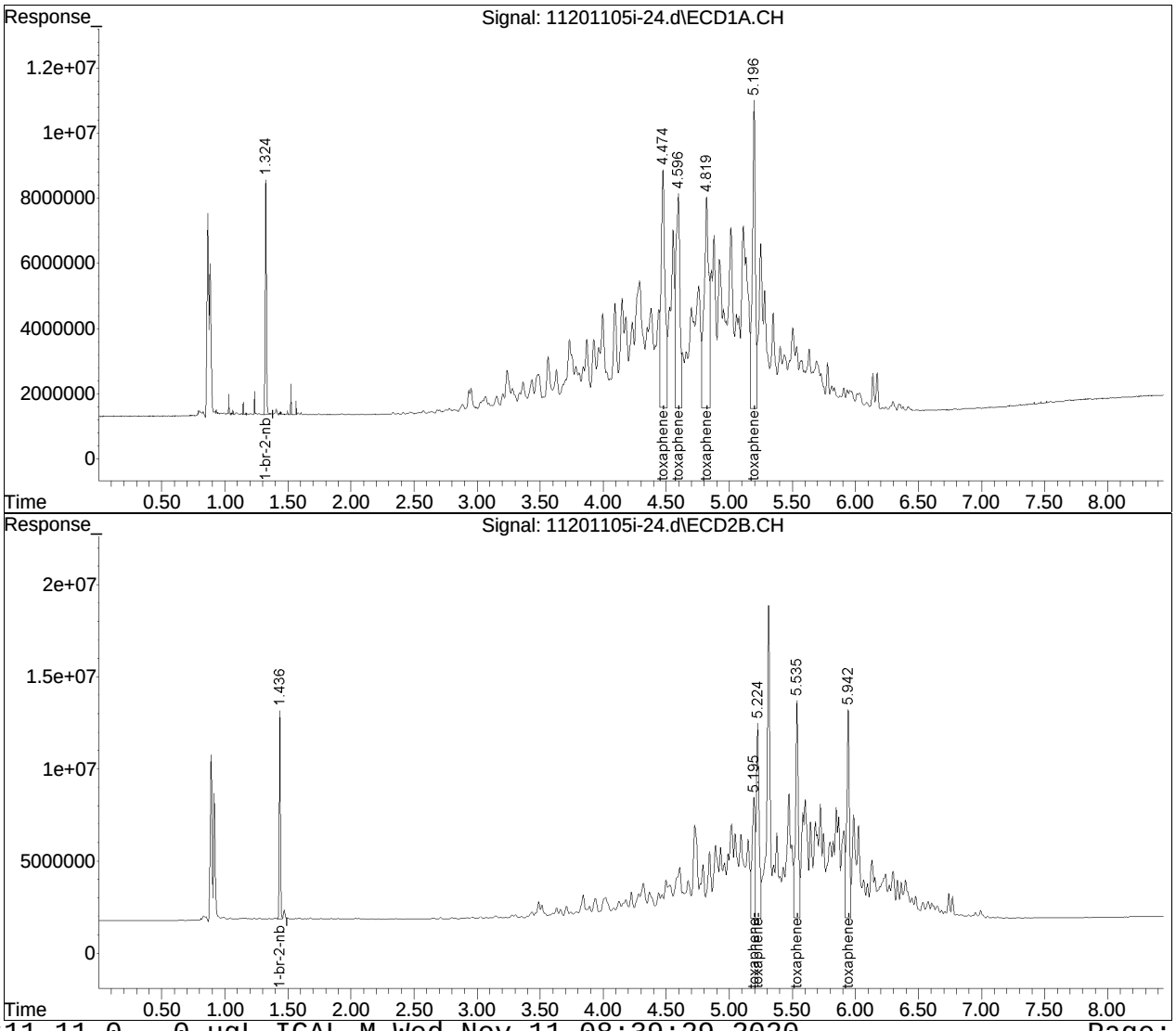
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201105ICAL\
Data File : 11201105i-24.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 05 Nov 2020 8:51 pm
Operator : PEST11:kb
Sample : cicvtox,42e,, pp10098
Misc : WG1432978, (Sig #1); ical (Sig #2)
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 14:45:16 2020
Quant Method : I:\Pest11\201105ICAL\pest11_11_05_20_ugL_ICAL.M
Quant Title : pest
QLast Update : Fri Nov 06 14:31:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest11\201105ICAL\	QMethod	: pest11_11_05_20_ugL_ICAL
Data File	: 11201105i-24.d	Operator	: PEST11:kb
Date Inj'd	: 11/5/2020 8:51 pm	Instrument	: Pest 11
Sample	: cicvtox,42e,, pp10098	Quant Date	: 11/6/2020 2:41 pm

There are no manual integrations or false positives in this file.

Continuing Calibration

Calibration Verification Summary
Form 7
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: PEST18	**Calibration Date**	: 12/02/20 08:27	
Lab File ID	: 18201202a-03	**Init. Calib. Date(s)**	: 10/19/20	10/19/20
Sample No	: WG1440148-2	**Init. Calib. Times**	: 18:02	20:53
Channel	: A			

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	25	25	-	0	20	105	0
chlordane-1	1000	777.825	-	22.2*	20	82	0
chlordane-3	1000	858.625	-	14.1	20	90	0
chlordane-4	1000	932.391	-	6.8	20	98	0
chlordane-5	1000	1006.007	-	-0.6	20	106	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: PEST18	**Calibration Date**	: 12/02/20 08:27	
Lab File ID	: 18201202a-03	**Init. Calib. Date(s)**	: 10/19/20	10/19/20
Sample No	: WG1440148-2	**Init. Calib. Times**	: 18:02	20:53
Channel	: B			

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	25	25	-	0	20	105	0
chlordane-1	1000	806.783	-	19.3	20	85	0
chlordane-3	1000	865.408	-	13.5	20	91	0
chlordane-4	1000	1248.055	-	-24.8*	20	131	0
chlordane-5	1000	857.58	-	14.2	20	90	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: PEST18	**Calibration Date**	: 12/02/20 08:37	
Lab File ID	: 18201202a-04	**Init. Calib. Date(s)**	: 10/19/20	10/19/20
Sample No	: WG1440148-3	**Init. Calib. Times**	: 18:02	20:53
Channel	: A			

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	25	25	-	0	20	94	0
toxaphene-1	2000	1688.219	-	15.6	20	70	0
toxaphene-2	2000	2218.25	-	-10.9	20	97	0
toxaphene-3	2000	2349.726	-	-17.5	20	100	0
toxaphene-4	2000	2180.725	-	-9	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: PEST18	**Calibration Date**	: 12/02/20 08:37	
Lab File ID	: 18201202a-04	**Init. Calib. Date(s)**	: 10/19/20	10/19/20
Sample No	: WG1440148-3	**Init. Calib. Times**	: 18:02	20:53
Channel	: B			

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	25	25	-	0	20	96	0
toxaphene-1	2000	2218.304	-	-10.9	20	102	0
toxaphene-2	2000	2141.668	-	-7.1	20	102	0
toxaphene-3	2000	2128.071	-	-6.4	20	102	0
toxaphene-4	2000	2316.866	-	-15.8	20	101	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957		
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001		
Instrument ID	: PEST18	**Calibration Date**	: 12/02/20 08:47		
Lab File ID	: 18201202a-05	**Init. Calib. Date(s)**	: 10/19/20	10/19/20	
Sample No	: WG1440148-1	**Init. Calib. Times**	: 18:02	20:53	
Channel	: A				

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	25	25	-	0	20	105	0
2,4,5,6-Tetrachloro-m-xylen	50	46.332	-	7.3	20	114	0
Hexachlorobenzene	50	45.323	-	9.4	20	116	0
alpha-BHC	50	49.658	-	0.7	20	115	0
gamma-BHC (lindane)	50	46.338	-	7.3	20	113	0
beta-BHC	50	47.074	-	5.9	20	115	0
delta-BHC	50	52.375	-	-4.8	20	119	0
Heptachlor	50	55.313	-	-10.6	20	114	0
Aldrin	50	48.597	-	2.8	20	112	0
Alachlor	50	50.397	-	-0.8	20	121	0
Chlorpyrifos	50	68.875	-	-37.8*	20	123	0
Heptachlor Epoxide	50	47.963	-	4.1	20	114	0
gamma-Chlordane (trans)	50	46.844	-	6.3	20	112	0
alpha-Chlordane (cis)	50	47.054	-	5.9	20	111	0
4,4'-DDE	50	50.903	-	-1.8	20	115	0
Endosulfan I	50	47.657	-	4.7	20	112	0
Dieldrin	50	50.294	-	-0.6	20	119	0
Endrin	50	55.241	-	-10.5	20	129	0
4,4'-DDD	50	55.461	-	-10.9	20	125	0
Endosulfan II	50	50.234	-	-0.5	20	115	0
4,4'-DDT	50	51.593	-	-3.2	20	118	0
Endrin Aldehyde	50	52.571	-	-5.1	20	117	0
Methoxychlor	50	55.235	-	-10.5	20	122	0
Mirex	50	63.561	-	-27.1*	20	113	0
Endosulfan Sulfate	50	51.036	-	-2.1	20	120	0
Endrin Ketone	50	49.397	-	1.2	20	114	0
Decachlorobiphenyl	50	60.91	-	-21.8*	20	112	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957		
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001		
Instrument ID	: PEST18	**Calibration Date**	: 12/02/20 08:47		
Lab File ID	: 18201202a-05	**Init. Calib. Date(s)**	: 10/19/20	10/19/20	
Sample No	: WG1440148-1	**Init. Calib. Times**	: 18:02	20:53	
Channel	: B				

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	25	25	-	0	20	108	0
2,4,5,6-Tetrachloro-m-xyl	50	52.139	-	-4.3	20	120	0
Hexachlorobenzene	50	49.744	-	0.5	20	122	0
alpha-BHC	50	55.428	-	-10.9	20	121	0
gamma-BHC (lindane)	50	53.017	-	-6	20	120	0
beta-BHC	50	50.476	-	-1	20	119	0
delta-BHC	50	58.117	-	-16.2	20	125	0
Heptachlor	50	49.348	-	1.3	20	116	0
Aldrin	50	53.403	-	-6.8	20	117	0
Alachlor	50	55.786	-	-11.6	20	126	0
Chlorpyrifos	50	52.287	-	-4.6	20	128	0
Heptachlor Epoxide	50	53.336	-	-6.7	20	120	0
gamma-Chlordane (trans)	50	51.213	-	-2.4	20	117	0
alpha-Chlordane (cis)	50	50.976	-	-2	20	116	0
4,4'-DDE	50	55.878	-	-11.8	20	118	0
Endosulfan I	50	52.269	-	-4.5	20	118	0
Dieldrin	50	56.687	-	-13.4	20	125	0
Endrin	50	65.464	-	-30.9*	20	139	0
4,4'-DDD	50	63.072	-	-26.1*	20	132	0
Endosulfan II	50	53.659	-	-7.3	20	119	0
4,4'-DDT	50	55.143	-	-10.3	20	118	0
Endrin Aldehyde	50	53.193	-	-6.4	20	117	0
Methoxychlor	50	52.797	-	-5.6	20	118	0
Mirex	50	45.997	-	8	20	116	0
Endosulfan Sulfate	50	52.97	-	-5.9	20	125	0
Endrin Ketone	50	51.511	-	-3	20	115	0
Decachlorobiphenyl	50	45.669	-	8.7	20	111	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: PEST11	**Calibration Date**	: 12/03/20 05:45	
Lab File ID	: 11201203a-03	**Init. Calib. Date(s)**	: 11/05/20	11/05/20
Sample No	: WG1440679-2	**Init. Calib. Times**	: 16:54	20:40
Channel	: A			

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	25	25	-	0	20	114	0
chlordane-1	1000	917.93	-	8.2	20	104	-.02
chlordane-3	1000	972.361	-	2.8	20	111	-.02
chlordane-4	1000	1007.395	-	-0.7	20	112	-.02
chlordane-5	1000	1116.734	-	-11.7	20	122	-.02

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: PEST11	**Calibration Date**	: 12/03/20 05:45	
Lab File ID	: 11201203a-03	**Init. Calib. Date(s)**	: 11/05/20	11/05/20
Sample No	: WG1440679-2	**Init. Calib. Times**	: 16:54	20:40
Channel	: B			

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	25	25	-	0	20	91	-.01
chlordane-1	1000	831.488	-	16.9	20	77	-.02
chlordane-3	1000	817.728	-	18.2	20	77	-.02
chlordane-4	1000	842.853	-	15.7	20	77	-.02
chlordane-5	1000	774.62	-	22.5*	20	72	-.02

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: PEST11	**Calibration Date**	: 12/03/20 05:56	
Lab File ID	: 11201203a-04	**Init. Calib. Date(s)**	: 11/05/20	11/05/20
Sample No	: WG1440679-3	**Init. Calib. Times**	: 16:54	20:40
Channel	: A			

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	25	25	-	0	20	121	0
toxaphene-2	2000	2079.058	-	-4	20	124	-.01
toxaphene-3	2000	2032.57	-	-1.6	20	108	-.01
toxaphene-4	2000	2289.841	-	-14.5	20	125	-.01
toxaphene-5	2000	1965.991	-	1.7	20	118	-.01

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: PEST11	**Calibration Date**	: 12/03/20 05:56	
Lab File ID	: 11201203a-04	**Init. Calib. Date(s)**	: 11/05/20	11/05/20
Sample No	: WG1440679-3	**Init. Calib. Times**	: 16:54	20:40
Channel	: B			

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	25	25	-	0	20	93	0
toxaphene-2	2000	2462.051	-	-23.1*	20	106	.01
toxaphene-3	2000	1825.592	-	8.7	20	81	-.02
toxaphene-4	2000	1923.158	-	3.8	20	83	-.01
toxaphene-5	2000	2041.872	-	-2.1	20	88	-.01

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957	
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001	
Instrument ID	: PEST11	**Calibration Date**	: 12/03/20 08:50	
Lab File ID	: 11201203a-06	**Init. Calib. Date(s)**	: 11/05/20	11/05/20
Sample No	: WG1440679-1	**Init. Calib. Times**	: 16:54	20:40
Channel	: A			

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	25	25	-	0	20	136	0
2,4,5,6-Tetrachloro-m-xylen	50	47.919	-	4.2	20	152	0
Hexachlorobenzene	50	46.792	-	6.4	20	154	0
alpha-BHC	50	54.924	-	-9.8	20	157	0
gamma-BHC (lindane)	50	50.923	-	-1.8	20	151	0
beta-BHC	50	58.17	-	-16.3	20	147	0
delta-BHC	50	53.31	-	-6.6	20	155	0
Heptachlor	50	56.906	-	-13.8	20	149	0
Aldrin	50	52.213	-	-4.4	20	154	0
Alachlor	50	47.651	-	4.7	20	147	0
Chlorpyrifos	50	53.032	-	-6.1	20	147	0
Heptachlor Epoxide	50	49.202	-	1.6	20	152	0
gamma-Chlordane (trans)	50	57.427	-	-14.9	20	149	0
alpha-Chlordane (cis)	50	57.578	-	-15.2	20	148	0
4,4'-DDE	50	55.545	-	-11.1	20	146	0
Endosulfan I	50	57.985	-	-16	20	149	0
Dieldrin	50	53.522	-	-7	20	159	-.01
Endrin	50	51.722	-	-3.4	20	150	-.01
4,4'-DDD	50	53.17	-	-6.3	20	155	0
Endosulfan II	50	57.349	-	-14.7	20	148	-.01
4,4'-DDT	50	49.677	-	0.6	20	143	0
Endrin Aldehyde	50	47.847	-	4.3	20	142	0
Methoxychlor	50	56.274	-	-12.5	20	139	0
Mirex	50	50.992	-	-2	20	141	-.01
Endosulfan Sulfate	50	58.437	-	-16.9	20	150	-.01
Endrin Ketone	50	49.801	-	0.4	20	150	-.01
Decachlorobiphenyl	50	61.144	-	-22.3*	20	154	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957		
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001		
Instrument ID	: PEST11	**Calibration Date**	: 12/03/20 08:50		
Lab File ID	: 11201203a-06	**Init. Calib. Date(s)**	: 11/05/20	11/05/20	
Sample No	: WG1440679-1	**Init. Calib. Times**	: 16:54	20:40	
Channel	: B				

Compound	Amount	Calc.	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	25	25	-	0	20	96	0
2,4,5,6-Tetrachloro-m-xyl	50	55.008	-	-10	20	116	-.01
Hexachlorobenzene	50	52.297	-	-4.6	20	117	-.01
alpha-BHC	50	59.107	-	-18.2	20	112	-.01
gamma-BHC (lindane)	50	52.468	-	-4.9	20	108	-.01
beta-BHC	50	48.463	-	3.1	20	103	-.01
delta-BHC	50	55.156	-	-10.3	20	108	-.01
Heptachlor	50	48.803	-	2.4	20	101	-.01
Aldrin	50	53.438	-	-6.9	20	106	-.02
Alachlor	50	46.674	-	6.7	20	101	-.01
Chlorpyrifos	50	50.291	-	-0.6	20	98	-.01
Heptachlor Epoxide	50	47.474	-	5.1	20	100	-.02
gamma-Chlordane (trans)	50	46.399	-	7.2	20	98	-.02
alpha-Chlordane (cis)	50	47.428	-	5.1	20	97	-.02
4,4'-DDE	50	49.839	-	0.3	20	97	-.02
Endosulfan I	50	46.748	-	6.5	20	98	-.02
Dieldrin	50	50.538	-	-1.1	20	102	-.02
Endrin	50	47.417	-	5.2	20	97	-.02
4,4'-DDD	50	47.856	-	4.3	20	96	-.01
Endosulfan II	50	46.676	-	6.6	20	97	-.01
4,4'-DDT	50	45.482	-	9	20	90	-.01
Endrin Aldehyde	50	46.734	-	6.5	20	95	-.01
Methoxychlor	50	47.029	-	5.9	20	93	-.01
Mirex	50	58.951	-	-17.9	20	112	-.01
Endosulfan Sulfate	50	56.899	-	-13.8	20	105	-.01
Endrin Ketone	50	56.616	-	-13.2	20	115	-.01
Decachlorobiphenyl	50	81.617	-	-63.2*	20	147	-.01

* Value outside of QC limits.

Evaluate Continuing Calibration Report

Data Path : I:\Pest18\201202a\
Data File : 18201202a-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 2 Dec 2020   8:27 am
Operator : PEST18:bm
Sample   : wg1440148-2,42e,,chlor 10179 (Sig #1); chlor 10179 (Sig #2)
Misc   : wg1440148,ical17270
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:37 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	105	0.00
29	l1	chlordane-1	1000.000	777.825	22.2#	82	0.00
30	l1	chlordane-3	1000.000	858.625	14.1	90	0.00
31	l1	chlordane-4	1000.000	932.391	6.8	98	0.00
32	l1	chlordane-5	1000.000	1006.007	-0.6	106	0.00

Signal #2

28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	105	0.00
29	l1	chlordane-1	1000.000	806.783	19.3	85	0.00
30	l1	chlordane-3	1000.000	865.408	13.5	91	0.00
31	l1	chlordane-4	1000.000	1248.055	-24.8#	131	0.00
32	l1	chlordane-5	1000.000	857.580	14.2	90	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	0	-1.19#
2	s	2,4,5,6-Tetrachloro-m-xylen	10.000	0.000	100.0#	0	-1.51#
3		Hexachlorobenzene	10.000	0.000	100.0#	0	-1.71#
4		alpha-BHC	10.000	0.000	100.0#	0	-1.80#
5		gamma-BHC (lindane)	10.000	0.000	100.0#	0	-1.99#
6		beta-BHC	10.000	0.000	100.0#	0	-2.04#
7		delta-BHC	10.000	0.000	100.0#	0	-2.16#
8		Heptachlor	10.000	0.000	100.0#	0	-2.31#
9		Aldrin	10.000	0.000	100.0#	0	-2.54#
10		Alachlor	10.000	0.000	100.0#	0	-2.66#
11		Chlorpyrifos	10.000	0.000	100.0#	0	-2.75#
12		Heptachlor Epoxide	10.000	0.000	100.0#	0	-3.06#
13		gamma-Chlordane (trans)	10.000	0.000	100.0#	0	-3.17#

Evaluate Continuing Calibration Report

Data Path : I:\Pest18\201202a\
Data File : 18201202a-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 2 Dec 2020   8:27 am
Operator : PEST18:bm
Sample   : wg1440148-2,42e,,chlor 10179 (Sig #1); chlor 10179 (Sig #2)
Misc   : wg1440148,ical17270
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:37 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)	10.000	0.000	100.0#	0	-3.30#
15		4,4'-DDE	10.000	0.000	100.0#	0	-3.40#
16		Endosulfan I	10.000	0.000	100.0#	0	-3.43#
17		Dieldrin	10.000	0.000	100.0#	0	-3.68#
18		Endrin	10.000	0.000	100.0#	0	-3.92#
19		4,4'-DDD	10.000	0.000	100.0#	0	-4.05#
20		Endosulfan II	10.000	0.000	100.0#	0	-4.18#
21		4,4'-DDT	10.000	0.000	100.0#	0	-4.36#
22		Endrin Aldehyde	10.000	0.000	100.0#	0	-4.63#
23		Methoxychlor	10.000	0.000	100.0#	0	-4.89#
24		Mirex	10.000	0.000	100.0#	0	-4.93#
25		Endosulfan Sulfate	10.000	0.000	100.0#	0	-5.04#
26		Endrin Ketone	10.000	0.000	100.0#	0	-5.24#
27	s	Decachlorobiphenyl	10.000	0.000	100.0#	0	-5.81#
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	0	-1.19#
34	l2	toxaphene-1	2000.000	0.000	100.0#	0	-4.17#
35	l2	toxaphene-2	2000.000	0.000	100.0#	0	-4.30#
36	l2	toxaphene-3	2000.000	0.000	100.0#	0	-4.55#
37	l2	toxaphene-4	2000.000	0.000	100.0#	0	-4.94#

Signal #2

1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	0	-1.32#
2	s	2,4,5,6-Tetrachloro-m-xyl	10.000	0.000	100.0#	0	-1.78#
3		Hexachlorobenzene	10.000	0.000	100.0#	0	-2.09#
4		alpha-BHC	10.000	0.000	100.0#	0	-2.18#
5		gamma-BHC (lindane)	10.000	0.000	100.0#	0	-2.46#
6		beta-BHC	10.000	0.000	100.0#	0	-2.52#
7		delta-BHC	10.000	0.000	100.0#	0	-2.78#

Evaluate Continuing Calibration Report

Data Path : I:\Pest18\201202a\
Data File : 18201202a-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 2 Dec 2020   8:27 am
Operator : PEST18:bm
Sample   : wg1440148-2,42e,,chlor 10179 (Sig #1); chlor 10179 (Sig #2)
Misc   : wg1440148,ical17270
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:37 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
8		Heptachlor	10.000	0.000	100.0#	0	-2.84#
9		Aldrin	10.000	0.000	100.0#	0	-3.15#
10		Alachlor	10.000	0.000	100.0#	0	-3.05#
11		Chlorpyrifos	10.000	0.000	100.0#	0	-3.39#
12		Heptachlor Epoxide	10.000	0.000	100.0#	0	-3.76#
13		gamma-Chlordane (trans)	10.000	0.000	100.0#	0	-3.97#
14		alpha-Chlordane (cis)	10.000	0.000	100.0#	0	-4.15#
15		4,4'-DDE	10.000	0.000	100.0#	0	-4.36#
16		Endosulfan I	10.000	0.000	100.0#	0	-4.21#
17		Dieldrin	10.000	0.000	100.0#	0	-4.51#
18		Endrin	10.000	0.000	100.0#	0	-4.82#
19		4,4'-DDD	10.000	0.000	100.0#	0	-4.95#
20		Endosulfan II	10.000	0.000	100.0#	0	-5.02#
21		4,4'-DDT	10.000	0.000	100.0#	0	-5.21#
22		Endrin Aldehyde	10.000	0.000	100.0#	0	-5.28#
23		Methoxychlor	10.000	0.000	100.0#	0	-5.60#
24		Mirex	10.000	0.000	100.0#	0	-5.68#
25		Endosulfan Sulfate	10.000	0.000	100.0#	0	-5.43#
26		Endrin Ketone	10.000	0.000	100.0#	0	-5.71#
27	s	Decachlorobiphenyl	10.000	0.000	100.0#	0	-6.41#
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	0	-1.32#
34	l2	toxaphene-1	2000.000	0.000	100.0#	0	-5.01#
35	l2	toxaphene-2	2000.000	0.000	100.0#	0	-5.10#
36	l2	toxaphene-3	2000.000	0.000	100.0#	0	-5.29#
37	l2	toxaphene-4	2000.000	0.000	100.0#	0	-5.55#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201202a\
Data File : 18201202a-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 8:27 am
Operator : PEST18:bm
Sample : wg1440148-2,42e,,chlor 10179 (Sig #1); chlor 10179 (Sig #2)
Misc : wg1440148,ical17270
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:37 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.192	1.316	91804818	107.7E6	25.000	25.000
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest18\201202a\
Data File : 18201202a-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 8:27 am
Operator : PEST18:bm
Sample : wg1440148-2,42e,,chlor 10179 (Sig #1); chlor 10179 (Sig #2)
Misc : wg1440148,ical17270
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:37 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d	
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d	
29) l1	chlordane-1	2.255	2.713	139.4E6	157.9E6	777.825	806.783	
30) l1	chlordane-3	2.648	3.305	166.4E6	170.8E6	858.625	865.408	
31) l1	chlordane-4	3.174	4.084	583.7E6	698.5E6	932.391	1248.055	
32) l1	chlordane-5	3.293	4.146	984.8E6	473.7E6	1006.007	857.580	
Sum	chlordane-1			1874.3E6	1500.8E6	N.D.	N.D.	D
Average	chlordane-1					893.712	944.457	
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d	
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d	
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d	
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d	
Sum	toxaphene-1			0	0	N.D.	N.D.	
Average	toxaphene-1					0.000	0.000	

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.	
Average	toxaphene-1					0.000	0.000	

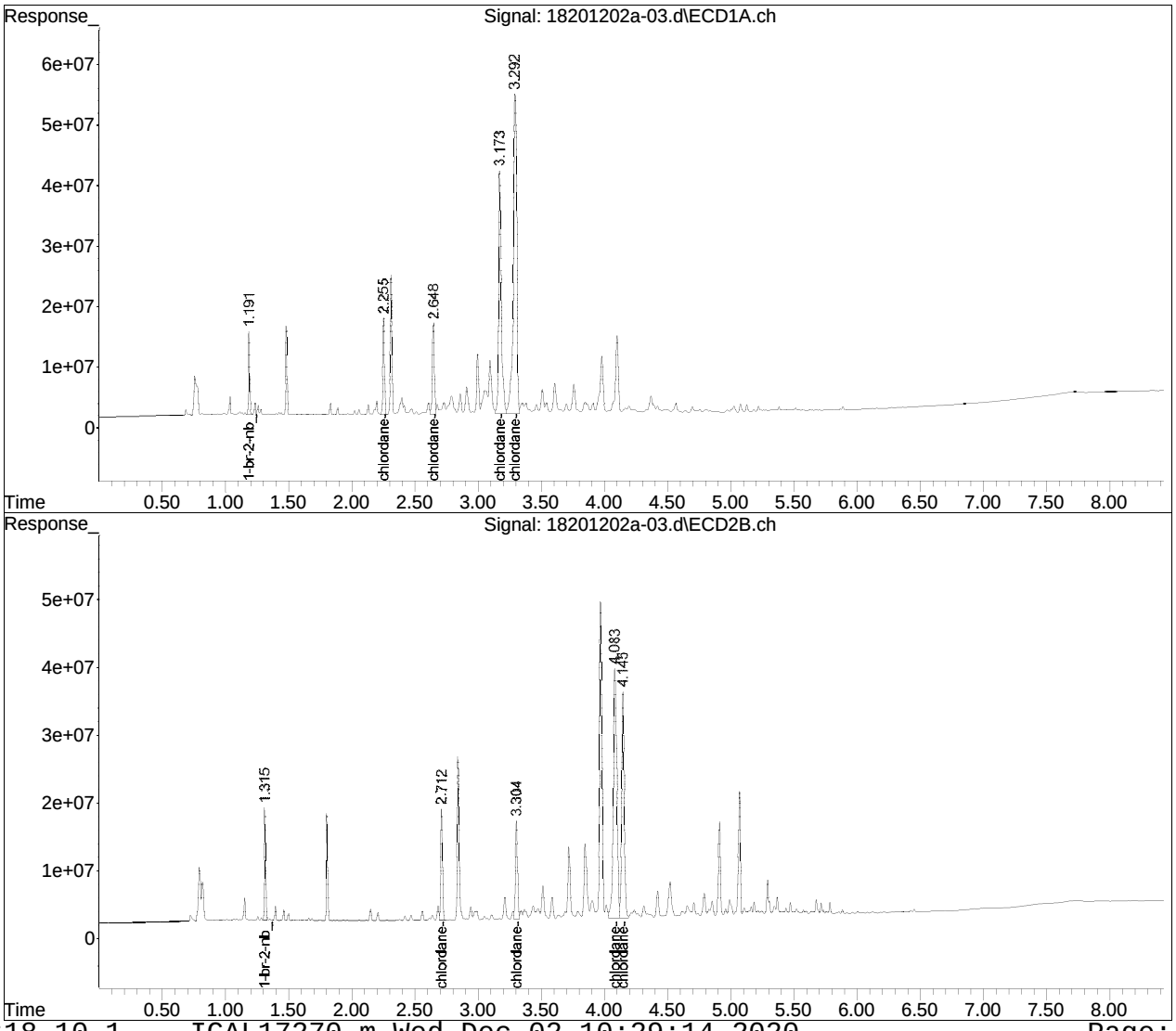
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201202a\
Data File : 18201202a-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 8:27 am
Operator : PEST18:bm
Sample : wg1440148-2,42e,,chlor 10179 (Sig #1); chlor 10179 (Sig #2)
Misc : wg1440148,ical17270
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:37 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest18\201202a\	QMethod	: pest18_10_17_20_ugL_ICAL
Data File	: 18201202a-03.d	Operator	: PEST18:bm
Date Inj'd	: 12/2/2020 8:27 am	Instrument	: Pest 18
Sample	: wg1440148-2,42e,,chlor 101	Quant Date	: 12/2/2020 10:28 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\Pest18\201202a\
Data File : 18201202a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 2 Dec 2020   8:37 am
Operator : PEST18:bm
Sample   : wg1440148-3,42e,,tox 10180 (Sig #1); tox 10180 (Sig #2)
Misc   : wg1440148,ical17270
ALS Vial : 4   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:58 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	94	0.00
34	l2	toxaphene-1	2000.000	1688.219	15.6	70	0.00
35	l2	toxaphene-2	2000.000	2218.250	-10.9	97	0.00
36	l2	toxaphene-3	2000.000	2349.726	-17.5	100	0.00
37	l2	toxaphene-4	2000.000	2180.725	-9.0	97	0.00

Signal #2

33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	96	0.00
34	l2	toxaphene-1	2000.000	2218.304	-10.9	102	0.00
35	l2	toxaphene-2	2000.000	2141.668	-7.1	102	0.00
36	l2	toxaphene-3	2000.000	2128.071	-6.4	102	0.00
37	l2	toxaphene-4	2000.000	2316.866	-15.8	101	0.00

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	0	-1.19#
2	s	2,4,5,6-Tetrachloro-m-xylen	10.000	0.000	100.0#	0	-1.51#
3		Hexachlorobenzene	10.000	0.000	100.0#	0	-1.71#
4		alpha-BHC	10.000	0.000	100.0#	0	-1.80#
5		gamma-BHC (lindane)	10.000	0.000	100.0#	0	-1.99#
6		beta-BHC	10.000	0.000	100.0#	0	-2.04#
7		delta-BHC	10.000	0.000	100.0#	0	-2.16#
8		Heptachlor	10.000	0.000	100.0#	0	-2.31#
9		Aldrin	10.000	0.000	100.0#	0	-2.54#
10		Alachlor	10.000	0.000	100.0#	0	-2.66#
11		Chlorpyrifos	10.000	0.000	100.0#	0	-2.75#
12		Heptachlor Epoxide	10.000	0.000	100.0#	0	-3.06#
13		gamma-Chlordane (trans)	10.000	0.000	100.0#	0	-3.17#

Data Path : I:\Pest18\201202a\
Data File : 18201202a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 2 Dec 2020   8:37 am
Operator : PEST18:bm
Sample   : wg1440148-3,42e,,tox 10180 (Sig #1); tox 10180 (Sig #2)
Misc   : wg1440148,ical17270
ALS Vial : 4   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:58 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
14		alpha-Chlordane (cis)	10.000	0.000	100.0#	0	-3.30#
15		4,4'-DDE	10.000	0.000	100.0#	0	-3.40#
16		Endosulfan I	10.000	0.000	100.0#	0	-3.43#
17		Dieldrin	10.000	0.000	100.0#	0	-3.68#
18		Endrin	10.000	0.000	100.0#	0	-3.92#
19		4,4'-DDD	10.000	0.000	100.0#	0	-4.05#
20		Endosulfan II	10.000	0.000	100.0#	0	-4.18#
21		4,4'-DDT	10.000	0.000	100.0#	0	-4.36#
22		Endrin Aldehyde	10.000	0.000	100.0#	0	-4.63#
23		Methoxychlor	10.000	0.000	100.0#	0	-4.89#
24		Mirex	10.000	0.000	100.0#	0	-4.93#
25		Endosulfan Sulfate	10.000	0.000	100.0#	0	-5.04#
26		Endrin Ketone	10.000	0.000	100.0#	0	-5.24#
27	s	Decachlorobiphenyl	10.000	0.000	100.0#	0	-5.81#
28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	0	-1.19#
29	l1	chlordane-1	1000.000	0.000	100.0#	0	-2.26#
30	l1	chlordane-3	1000.000	0.000	100.0#	0	-2.65#
31	l1	chlordane-4	1000.000	0.000	100.0#	0	-3.17#
32	l1	chlordane-5	1000.000	0.000	100.0#	0	-3.29#

Signal #2

1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	0	-1.32#
2	s	2,4,5,6-Tetrachloro-m-xyl	10.000	0.000	100.0#	0	-1.78#
3		Hexachlorobenzene	10.000	0.000	100.0#	0	-2.09#
4		alpha-BHC	10.000	0.000	100.0#	0	-2.18#
5		gamma-BHC (lindane)	10.000	0.000	100.0#	0	-2.46#
6		beta-BHC	10.000	0.000	100.0#	0	-2.52#
7		delta-BHC	10.000	0.000	100.0#	0	-2.78#

Evaluate Continuing Calibration Report

Data Path : I:\Pest18\201202a\
Data File : 18201202a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 2 Dec 2020   8:37 am
Operator : PEST18:bm
Sample   : wg1440148-3,42e,,tox 10180 (Sig #1); tox 10180 (Sig #2)
Misc   : wg1440148,ical17270
ALS Vial : 4   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:58 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
8		Heptachlor	10.000	0.000	100.0#	0	-2.84#
9		Aldrin	10.000	0.000	100.0#	0	-3.15#
10		Alachlor	10.000	0.000	100.0#	0	-3.05#
11		Chlorpyrifos	10.000	0.000	100.0#	0	-3.39#
12		Heptachlor Epoxide	10.000	0.000	100.0#	0	-3.76#
13		gamma-Chlordane (trans)	10.000	0.000	100.0#	0	-3.97#
14		alpha-Chlordane (cis)	10.000	0.000	100.0#	0	-4.15#
15		4,4'-DDE	10.000	0.000	100.0#	0	-4.36#
16		Endosulfan I	10.000	0.000	100.0#	0	-4.21#
17		Dieldrin	10.000	0.000	100.0#	0	-4.51#
18		Endrin	10.000	0.000	100.0#	0	-4.82#
19		4,4'-DDD	10.000	0.000	100.0#	0	-4.95#
20		Endosulfan II	10.000	0.000	100.0#	0	-5.02#
21		4,4'-DDT	10.000	0.000	100.0#	0	-5.21#
22		Endrin Aldehyde	10.000	0.000	100.0#	0	-5.28#
23		Methoxychlor	10.000	0.000	100.0#	0	-5.60#
24		Mirex	10.000	0.000	100.0#	0	-5.68#
25		Endosulfan Sulfate	10.000	0.000	100.0#	0	-5.43#
26		Endrin Ketone	10.000	0.000	100.0#	0	-5.71#
27	s	Decachlorobiphenyl	10.000	0.000	100.0#	0	-6.41#
28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	0	-1.32#
29	l1	chlordane-1	1000.000	0.000	100.0#	0	-2.71#
30	l1	chlordane-3	1000.000	0.000	100.0#	0	-3.30#
31	l1	chlordane-4	1000.000	0.000	100.0#	0	-4.08#
32	l1	chlordane-5	1000.000	0.000	100.0#	0	-4.15#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201202a\
Data File : 18201202a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 8:37 am
Operator : PEST18:bm
Sample : wg1440148-3,42e,,tox 10180 (Sig #1); tox 10180 (Sig #2)
Misc : wg1440148,ical17270
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:58 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.193	1.317	88518481	103.0E6	25.000M4	25.000
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3)	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10)	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11)	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest18\201202a\
Data File : 18201202a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 8:37 am
Operator : PEST18:bm
Sample : wg1440148-3,42e,,tox 10180 (Sig #1); tox 10180 (Sig #2)
Misc : wg1440148,ical17270
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:58 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	4.169	5.013	349.9E6	309.5E6	1688.219M3	2218.304
35) l2	toxaphene-2	4.302	5.102	372.8E6	599.5E6	2218.250	2141.668
36) l2	toxaphene-3	4.548	5.287	376.2E6	390.4E6	2349.726	2128.071
37) l2	toxaphene-4	4.942	5.555	318.6E6	361.6E6	2180.725	2316.866
Sum	toxaphene-1			1417.4E6	1661.0E6	8436.922	8804.908
Average	toxaphene-1					2109.230	2201.227

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			1417.4E6	1661.0E6	8436.922	8804.908
Average	toxaphene-1					2109.230	2201.227

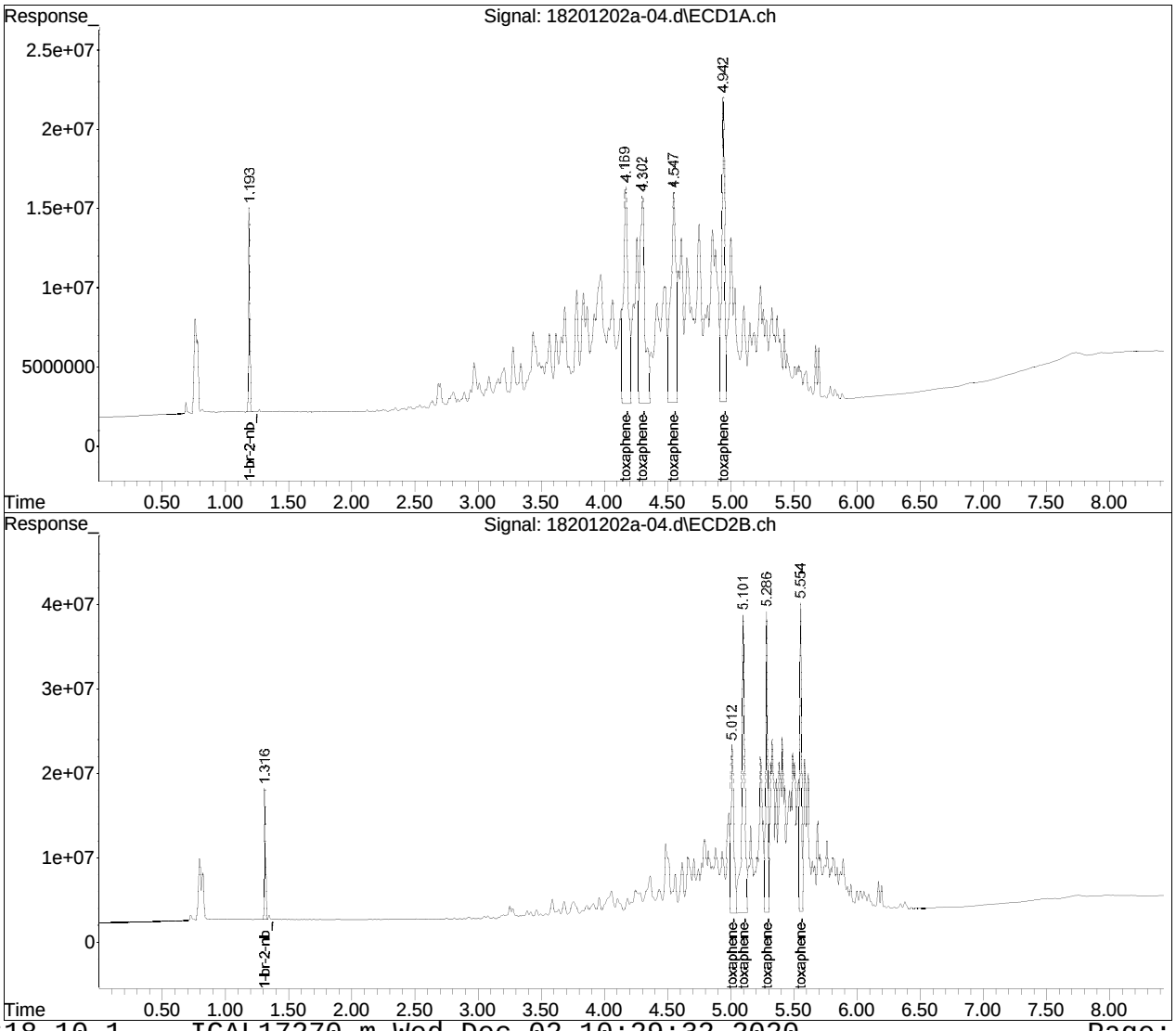
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201202a\
Data File : 18201202a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 8:37 am
Operator : PEST18:bm
Sample : wg1440148-3,42e,,tox 10180 (Sig #1); tox 10180 (Sig #2)
Misc : wg1440148,ical17270
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:58 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

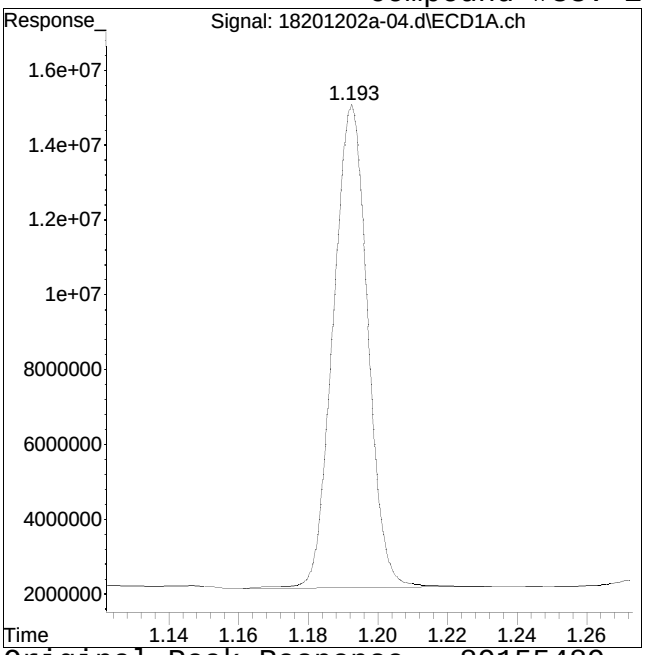
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



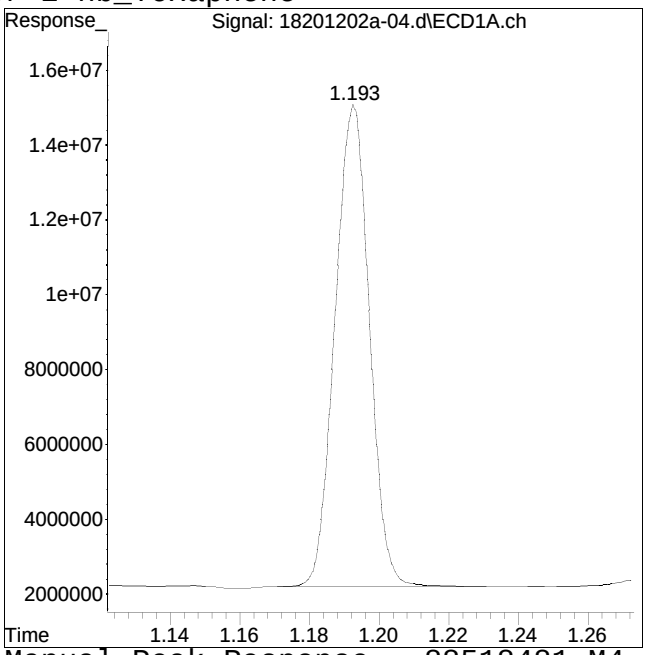
Manual Integration Report

Data Path : I:\Pest18\201202a\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201202a-04.d Operator : PEST18:bm
Date Inj'd : 12/2/2020 8:37 am Instrument : Pest 18
Sample : wg1440148-3,42e,,tox 10180 Quant Date : 12/2/2020 10:28 am

Compound #33: 1-br-2-nb_Toxaphene



Original Peak Response = 89155489



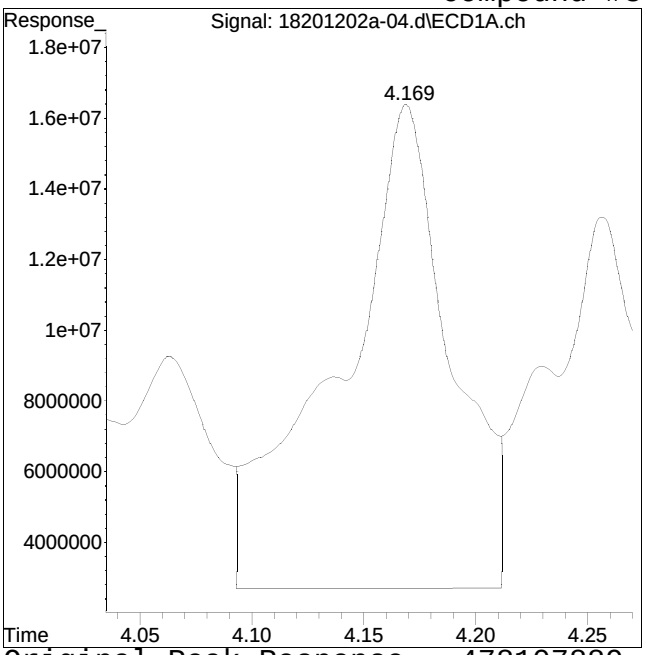
Manual Peak Response = 88518481 M4

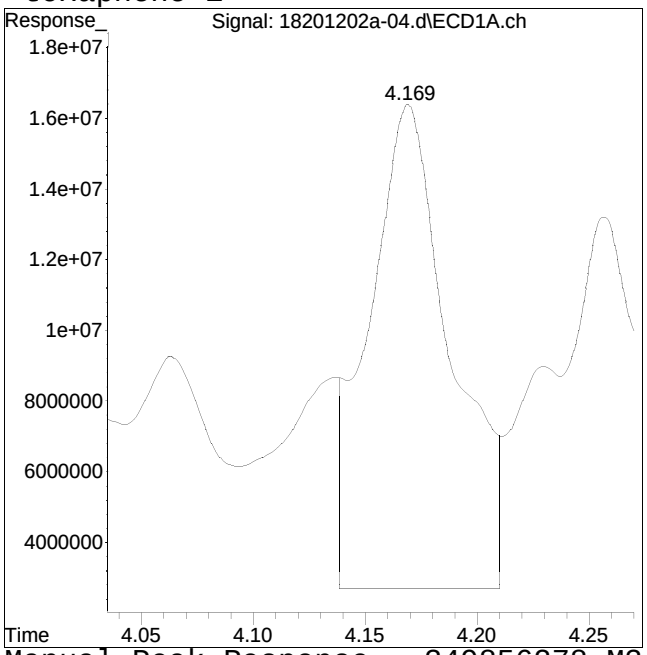
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest18\201202a\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201202a-04.d Operator : PEST18:bm
Date Inj'd : 12/2/2020 8:37 am Instrument : Pest 18
Sample : wg1440148-3,42e,,tox 10180 Quant Date : 12/2/2020 10:28 am

Compound #34: toxaphene-1





Original Peak Response = 478107889 Manual Peak Response = 349856278 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\Pest18\201202a\
Data File : 18201202a-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 2 Dec 2020   8:47 am
Operator : PEST18:bm
Sample   : wg1440148-1,42e,,pest 10181 (Sig #1); pest 10181 (Sig #2)
Misc   : wg1440148,ical17270
ALS Vial : 5   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:19 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	105	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	50.000	46.332	7.3	114	0.00
3		Hexachlorobenzene	50.000	45.323	9.4	116	0.00
4		alpha-BHC	50.000	49.658	0.7	115	0.00
5		gamma-BHC (lindane)	50.000	46.338	7.3	113	0.00
6		beta-BHC	50.000	47.074	5.9	115	0.00
7		delta-BHC	50.000	52.375	-4.8	119	0.00
8		Heptachlor	50.000	55.313	-10.6	114	0.00
9		Aldrin	50.000	48.597	2.8	112	0.00
10		Alachlor	50.000	50.397	-0.8	121	0.00
11		Chlorpyrifos	50.000	68.875	-37.8#	123	0.00
12		Heptachlor Epoxide	50.000	47.963	4.1	114	0.00
13		gamma-Chlordane (trans)	50.000	46.844	6.3	112	0.00
14		alpha-Chlordane (cis)	50.000	47.054	5.9	111	0.00
15		4,4'-DDE	50.000	50.903	-1.8	115	0.00
16		Endosulfan I	50.000	47.657	4.7	112	0.00
17		Dieldrin	50.000	50.294	-0.6	119	0.00
18		Endrin	50.000	55.241	-10.5	129	0.00
19		4,4'-DDD	50.000	55.461	-10.9	125	0.00
20		Endosulfan II	50.000	50.234	-0.5	115	0.00
21		4,4'-DDT	50.000	51.593	-3.2	118	0.00
22		Endrin Aldehyde	50.000	52.571	-5.1	117	0.00
23		Methoxychlor	50.000	55.235	-10.5	122	0.00
24		Mirex	50.000	63.561	-27.1#	113	0.00
25		Endosulfan Sulfate	50.000	51.036	-2.1	120	0.00
26		Endrin Ketone	50.000	49.397	1.2	114	0.00
27	s	Decachlorobiphenyl	50.000	60.910	-21.8#	112	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\Pest18\201202a\
Data File : 18201202a-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 2 Dec 2020   8:47 am
Operator : PEST18:bm
Sample   : wg1440148-1,42e,,pest 10181 (Sig #1); pest 10181 (Sig #2)
Misc   : wg1440148,ical17270
ALS Vial : 5   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:19 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	108	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	50.000	52.139	-4.3	120	0.00
3		Hexachlorobenzene	50.000	49.744	0.5	122	0.00
4		alpha-BHC	50.000	55.428	-10.9	121	0.00
5		gamma-BHC (lindane)	50.000	53.017	-6.0	120	0.00
6		beta-BHC	50.000	50.476	-1.0	119	0.00
7		delta-BHC	50.000	58.117	-16.2	125	0.00
8		Heptachlor	50.000	49.348	1.3	116	0.00
9		Aldrin	50.000	53.403	-6.8	117	0.00
10		Alachlor	50.000	55.786	-11.6	126	0.00
11		Chlorpyrifos	50.000	52.287	-4.6	128	0.00
12		Heptachlor Epoxide	50.000	53.336	-6.7	120	0.00
13		gamma-Chlordane (trans)	50.000	51.213	-2.4	117	0.00
14		alpha-Chlordane (cis)	50.000	50.976	-2.0	116	0.00
15		4,4'-DDE	50.000	55.878	-11.8	118	0.00
16		Endosulfan I	50.000	52.269	-4.5	118	0.00
17		Dieldrin	50.000	56.687	-13.4	125	0.00
18		Endrin	50.000	65.464	-30.9#	139	0.00
19		4,4'-DDD	50.000	63.072	-26.1#	132	0.00
20		Endosulfan II	50.000	53.659	-7.3	119	0.00
21		4,4'-DDT	50.000	55.143	-10.3	118	0.00
22		Endrin Aldehyde	50.000	53.193	-6.4	117	0.00
23		Methoxychlor	50.000	52.797	-5.6	118	0.00
24		Mirex	50.000	45.997	8.0	116	0.00
25		Endosulfan Sulfate	50.000	52.970	-5.9	125	0.00
26		Endrin Ketone	50.000	51.511	-3.0	115	0.00
27	s	Decachlorobiphenyl	50.000	45.669	8.7	111	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\Pest18\201202a\
Data File : 18201202a-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 2 Dec 2020   8:47 am
Operator : PEST18:bm
Sample   : wg1440148-1,42e,,pest 10181 (Sig #1); pest 10181 (Sig #2)
Misc   : wg1440148,ical17270
ALS Vial : 5   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:19 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	0	-1.19#
29	l1	chlordane-1	2500.000	0.000	100.0#	0	-2.26#
30	l1	chlordane-3	2500.000	0.000	100.0#	0	-2.65#
31	l1	chlordane-4	2500.000	0.000	100.0#	0	-3.17#
32	l1	chlordane-5	2500.000	0.000	100.0#	0	-3.29#
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	0	-1.19#
34	l2	toxaphene-1	5000.000	0.000	100.0#	0	-4.17#
35	l2	toxaphene-2	5000.000	0.000	100.0#	0	-4.30#
36	l2	toxaphene-3	5000.000	0.000	100.0#	0	-4.55#
37	l2	toxaphene-4	5000.000	0.000	100.0#	0	-4.94#

Signal #2

28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	0	-1.32#
29	l1	chlordane-1	2500.000	0.000	100.0#	0	-2.71#
30	l1	chlordane-3	2500.000	0.000	100.0#	0	-3.30#
31	l1	chlordane-4	2500.000	0.000	100.0#	0	-4.08#
32	l1	chlordane-5	2500.000	0.000	100.0#	0	-4.15#
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	0	-1.32#
34	l2	toxaphene-1	5000.000	0.000	100.0#	0	-5.01#
35	l2	toxaphene-2	5000.000	0.000	100.0#	0	-5.10#
36	l2	toxaphene-3	5000.000	0.000	100.0#	0	-5.29#
37	l2	toxaphene-4	5000.000	0.000	100.0#	0	-5.55#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201202a\
Data File : 18201202a-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 8:47 am
Operator : PEST18:bm
Sample : wg1440148-1,42e,,pest 10181 (Sig #1); pest 10181 (Sig #2)
Misc : wg1440148,ical17270
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:19 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.192	1.316	88712753	105.3E6	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.512	1.778	208.8E6	253.6E6	46.332	52.139
	Spiked Amount 50.000	Range 30 - 150		Recovery =		92.66%	104.28%
27) s	Decachlorobi	5.808	6.409	211.5E6	241.1E6	60.910	45.669
	Spiked Amount 50.000	Range 30 - 150		Recovery =		121.82%	91.34%
	Target Compounds						
3)	Hexachlorobe	1.710	2.088	225.2E6	278.1E6	45.323	49.744
4)	alpha-BHC	1.802	2.182	291.6E6	348.7E6	49.658	55.428
5)	gamma-BHC (l	1.991	2.459	263.2E6	316.0E6	46.338	53.017
6)	beta-BHC	2.045	2.523	122.7E6	146.0E6	47.074	50.476
7)	delta-BHC	2.164	2.782	275.8E6	323.3E6	52.375	58.117
8)	Heptachlor	2.314	2.844	261.3E6	308.3E6	55.313	49.348
9)	Aldrin	2.541	3.154	252.0E6	286.7E6	48.597	53.403
10)	Alachlor	2.661	3.046	40520623	46586255	50.397	55.786
11)	Chlorpyrifos	2.748	3.393	145.7E6	165.8E6	68.875	52.287
12)	Heptachlor E	3.056	3.757	243.2E6	283.3E6	47.963	53.336
13)	gamma-Chlord	3.174	3.973	247.4E6	289.3E6	46.844	51.213
14)	alpha-Chlord	3.302	4.145	242.5E6	280.7E6	47.054	50.976
15)	4,4'-DDE	3.399	4.356	246.0E6	282.5E6	50.903	55.878
16)	Endosulfan I	3.431	4.207	232.0E6	263.0E6	47.657	52.269
17)	Dieldrin	3.680	4.512	260.5E6	297.0E6	50.294	56.687
18)	Endrin	3.925	4.819	259.9E6	294.1E6	55.241	65.464
19)	4,4'-DDD	4.046	4.952	214.3E6	243.2E6	55.461	63.072
20)	Endosulfan I	4.179	5.024	230.3E6	259.5E6	50.234	53.659
21)	4,4'-DDT	4.364	5.214	230.0E6	274.8E6	51.593	55.143
22)	Endrin Aldeh	4.629	5.281	191.2E6	218.6E6	52.571	53.193
23)	Methoxychlor	4.891	5.599	125.3E6	151.4E6	55.235	52.797

Data Path : I:\Pest18\201202a\
Data File : 18201202a-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 8:47 am
Operator : PEST18:bm
Sample : wg1440148-1,42e,,pest 10181 (Sig #1); pest 10181 (Sig #2)
Misc : wg1440148,ical17270
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:19 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24)	Mirex	4.929	5.683	189.9E6	223.8E6	63.561	45.997
25)	Endosulfan S	5.043	5.432	234.6E6	268.6E6	51.036	52.970
26)	Endrin Keton	5.242	5.711	255.5E6	312.1E6	49.397	51.511
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

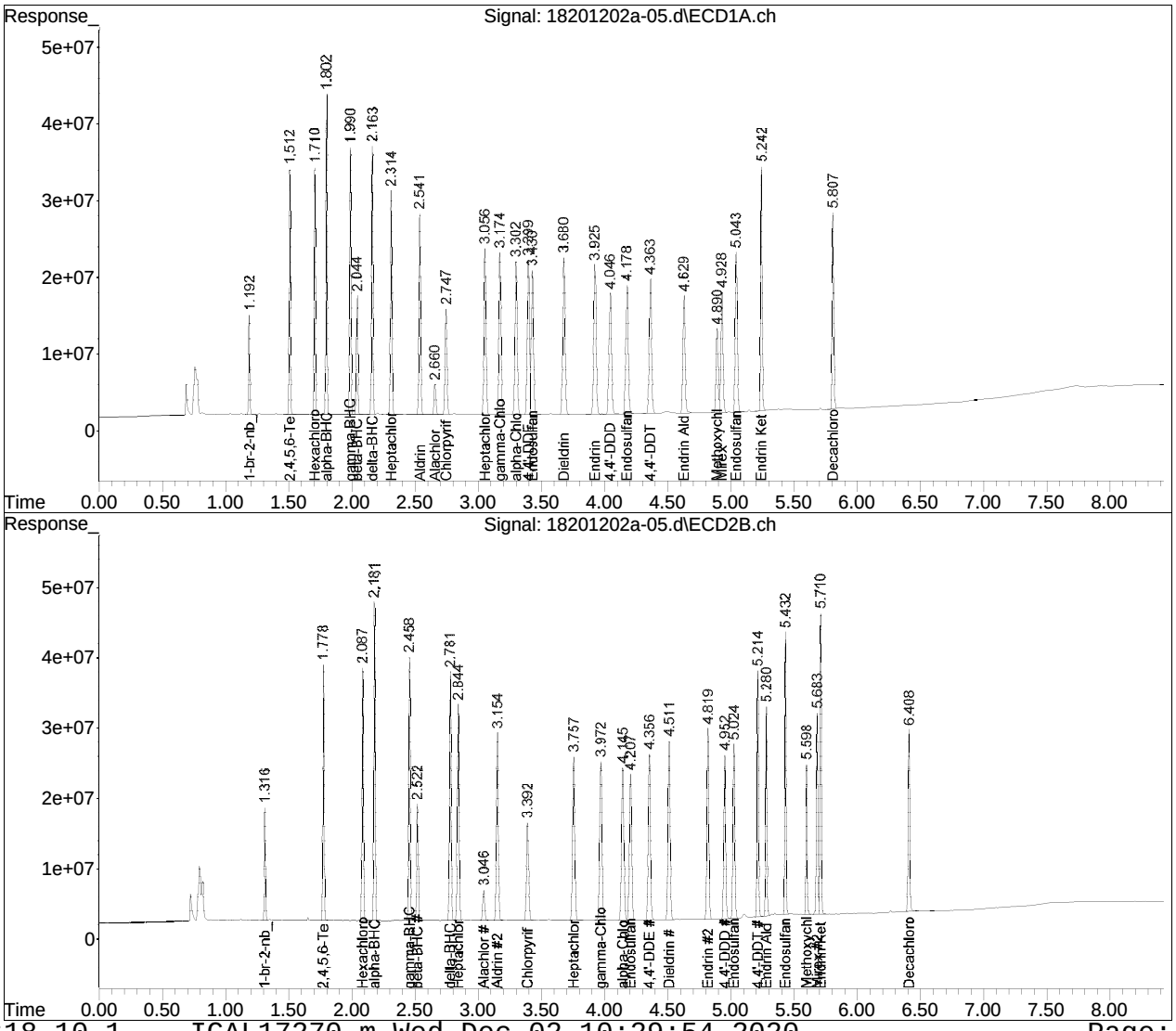
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest18\201202a\
Data File : 18201202a-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 8:47 am
Operator : PEST18:bm
Sample : wg1440148-1,42e,,pest 10181 (Sig #1); pest 10181 (Sig #2)
Misc : wg1440148,ical17270
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:28:19 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:04 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest18\201202a\	QMethod	: pest18_10_17_20_ugL_ICAL
Data File	: 18201202a-05.d	Operator	: PEST18:bm
Date Inj'd	: 12/2/2020 8:47 am	Instrument	: Pest 18
Sample	: wg1440148-1,42e,,pest 1018	Quant Date	: 12/2/2020 10:28 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\Pest11\201203a\
Data File : 11201203a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 03 Dec 2020   5:45 am
Operator : PEST11:sc
Sample   : wg1440679-2,42e,,chlor 10179 (Sig #1); chlor 10179 (Sig #2)
Misc   : wg1440679,ical17340
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 08:24:40 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	114	0.00
29	l1	chlordane-1	1000.000	917.930	8.2	104	-0.02
30	l1	chlordane-3	1000.000	972.361	2.8	111	-0.02
31	l1	chlordane-4	1000.000	1007.395	-0.7	112	-0.02
32	l1	chlordane-5	1000.000	1116.734	-11.7	122	-0.02

Signal #2

28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	91	-0.01
29	l1	chlordane-1	1000.000	831.488	16.9	77	-0.02
30	l1	chlordane-3	1000.000	817.728	18.2	77	-0.02
31	l1	chlordane-4	1000.000	842.853	15.7	77	-0.02
32	l1	chlordane-5	1000.000	774.620	22.5#	72	-0.02

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	0	-1.21#
2	s	2,4,5,6-Tetrachloro-m-xylen	10.000	0.000	100.0#	0	-1.54#
3	t	Hexachlorobenzene	10.000	0.000	100.0#	0	-1.74#
4	t	alpha-BHC	10.000	0.000	100.0#	0	-1.84#
5	t	gamma-BHC (lindane)	10.000	0.000	100.0#	0	-2.03#
6	t	beta-BHC	10.000	0.000	100.0#	0	-2.09#
7	t	delta-BHC	10.000	0.000	100.0#	0	-2.21#
8	t	Heptachlor	10.000	0.000	100.0#	0	-2.36#
9	t	Aldrin	10.000	0.000	100.0#	0	-2.59#
10	t	Alachlor	10.000	0.000	100.0#	0	-2.72#
11	t	Chlorpyrifos	10.000	0.000	100.0#	0	-2.80#
12	t	Heptachlor Epoxide	10.000	0.000	100.0#	0	-3.12#
13	t	gamma-Chlordane (trans)	10.000	0.000	100.0#	0	-3.24#

Data Path : I:\Pest11\201203a\
Data File : 11201203a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 03 Dec 2020   5:45 am
Operator : PEST11:sc
Sample   : wg1440679-2,42e,,chlor 10179 (Sig #1); chlor 10179 (Sig #2)
Misc   : wg1440679,ical17340
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 08:24:40 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)	10.000	0.000	100.0#	0	-3.37#
15	t	4,4'-DDE	10.000	0.000	100.0#	0	-3.47#
16	t	Endosulfan I	10.000	0.000	100.0#	0	-3.50#
17	t	Dieldrin	10.000	0.000	100.0#	0	-3.76#
18	t	Endrin	10.000	0.000	100.0#	0	-4.01#
19	t	4,4'-DDD	10.000	0.000	100.0#	0	-4.13#
20	t	Endosulfan II	10.000	0.000	100.0#	0	-4.26#
21	t	4,4'-DDT	10.000	0.000	100.0#	0	-4.44#
22	t	Endrin Aldehyde	10.000	0.000	100.0#	0	-4.70#
23	t	Methoxychlor	10.000	0.000	100.0#	0	-4.95#
24	t	Mirex	10.000	0.000	100.0#	0	-5.00#
25	t	Endosulfan Sulfate	10.000	0.000	100.0#	0	-5.11#
26	t	Endrin Ketone	10.000	0.000	100.0#	0	-5.34#
27	s	Decachlorobiphenyl	10.000	0.000	100.0#	0	-6.17#
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	0	-1.21#
34	l2	toxaphene-2	2000.000	0.000	100.0#	0	-4.25#
35	l2	toxaphene-3	2000.000	0.000	100.0#	0	-4.38#
36	l2	toxaphene-4	2000.000	0.000	100.0#	0	-4.62#
37	l2	toxaphene-5	2000.000	0.000	100.0#	0	-5.01#

Signal #2

1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	0	-1.32#
2	s	2,4,5,6-Tetrachloro-m-xyl	10.000	0.000	100.0#	0	-1.79#
3	t	Hexachlorobenzene	10.000	0.000	100.0#	0	-2.10#
4	t	alpha-BHC	10.000	0.000	100.0#	0	-2.20#
5	t	gamma-BHC (lindane)	10.000	0.000	100.0#	0	-2.48#
6	t	beta-BHC	10.000	0.000	100.0#	0	-2.54#
7	t	delta-BHC	10.000	0.000	100.0#	0	-2.80#

Evaluate Continuing Calibration Report

Data Path : I:\Pest11\201203a\
Data File : 11201203a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 03 Dec 2020   5:45 am
Operator : PEST11:sc
Sample   : wg1440679-2,42e,,chlor 10179 (Sig #1); chlor 10179 (Sig #2)
Misc   : wg1440679,ical17340
ALS Vial : 3 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 08:24:40 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
8	t	Heptachlor	10.000	0.000	100.0#	0	-2.86#
9	t	Aldrin	10.000	0.000	100.0#	0	-3.18#
10	t	Alachlor	10.000	0.000	100.0#	0	-3.07#
11	t	Chlorpyrifos	10.000	0.000	100.0#	0	-3.42#
12	t	Heptachlor Epoxide	10.000	0.000	100.0#	0	-3.79#
13	t	gamma-Chlordane (trans)	10.000	0.000	100.0#	0	-4.00#
14	t	alpha-Chlordane (cis)	10.000	0.000	100.0#	0	-4.18#
15	t	4,4'-DDE	10.000	0.000	100.0#	0	-4.39#
16	t	Endosulfan I	10.000	0.000	100.0#	0	-4.24#
17	t	Dieldrin	10.000	0.000	100.0#	0	-4.54#
18	t	Endrin	10.000	0.000	100.0#	0	-4.85#
19	t	4,4'-DDD	10.000	0.000	100.0#	0	-4.98#
20	t	Endosulfan II	10.000	0.000	100.0#	0	-5.05#
21	t	4,4'-DDT	10.000	0.000	100.0#	0	-5.26#
22	t	Endrin Aldehyde	10.000	0.000	100.0#	0	-5.36#
23	t	Methoxychlor	10.000	0.000	100.0#	0	-5.84#
24	t	Mirex	10.000	0.000	100.0#	0	-5.97#
25	t	Endosulfan Sulfate	10.000	0.000	100.0#	0	-5.59#
26	t	Endrin Ketone	10.000	0.000	100.0#	0	-6.01#
27	s	Decachlorobiphenyl	10.000	0.000	100.0#	0	-6.88#
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	0	-1.32#
34	l2	toxaphene-2	2000.000	0.000	100.0#	0	-5.01#
35	l2	toxaphene-3	2000.000	0.000	100.0#	0	-5.04#
36	l2	toxaphene-4	2000.000	0.000	100.0#	0	-5.36#
37	l2	toxaphene-5	2000.000	0.000	100.0#	0	-5.78#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201203a\
Data File : 11201203a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Dec 2020 5:45 am
Operator : PEST11:sc
Sample : wg1440679-2,42e,,chlor 10179 (Sig #1); chlor 10179 (Sig #2)
Misc : wg1440679,ical17340
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 08:24:40 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	1.199	1.306	55343383	70958656	25.000	25.000
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	50.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201203a\
Data File : 11201203a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Dec 2020 5:45 am
Operator : PEST11:sc
Sample : wg1440679-2,42e,,chlor 10179 (Sig #1); chlor 10179 (Sig #2)
Misc : wg1440679,ical17340
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 08:24:40 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	2.346	2.845	120.1E6	143.9E6	917.930	831.488
30) l1	chlordane-3	2.687	3.308	102.1E6	101.8E6	972.361M3	817.728M3
31) l1	chlordane-4	3.221	3.980	326.6E6	305.8E6	1007.395	842.853M3
32) l1	chlordane-5	3.341	4.154	557.4E6	232.1E6	1116.734	774.620
Sum	chlordane-1			1106.2E6	783.6E6	N.D.	N.D. D
Average	chlordane-1					1003.605	816.672
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

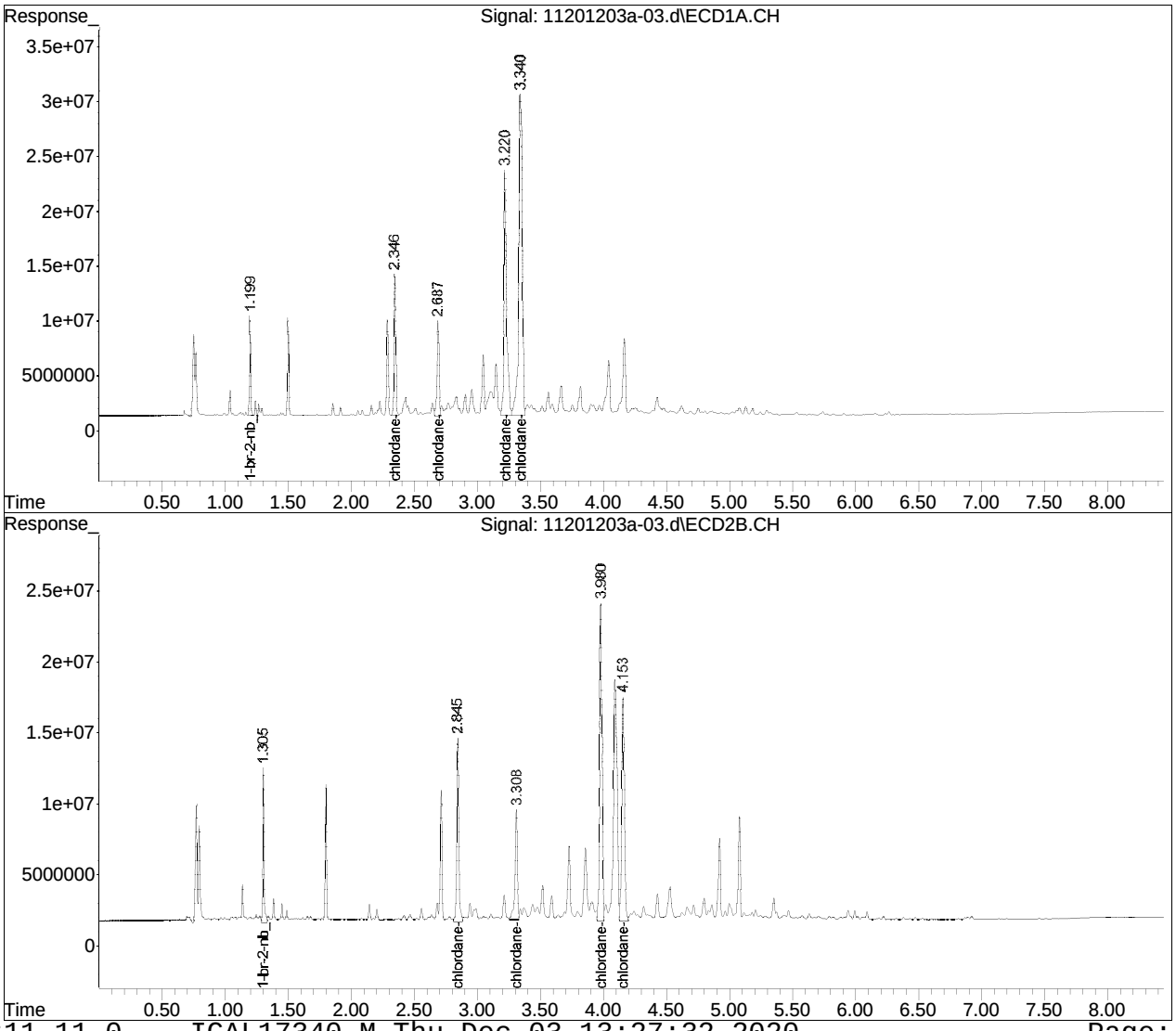
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201203a\
Data File : 11201203a-03.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Dec 2020 5:45 am
Operator : PEST11:sc
Sample : wg1440679-2,42e,,chlor 10179 (Sig #1); chlor 10179 (Sig #2)
Misc : wg1440679,ical17340
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 08:24:40 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

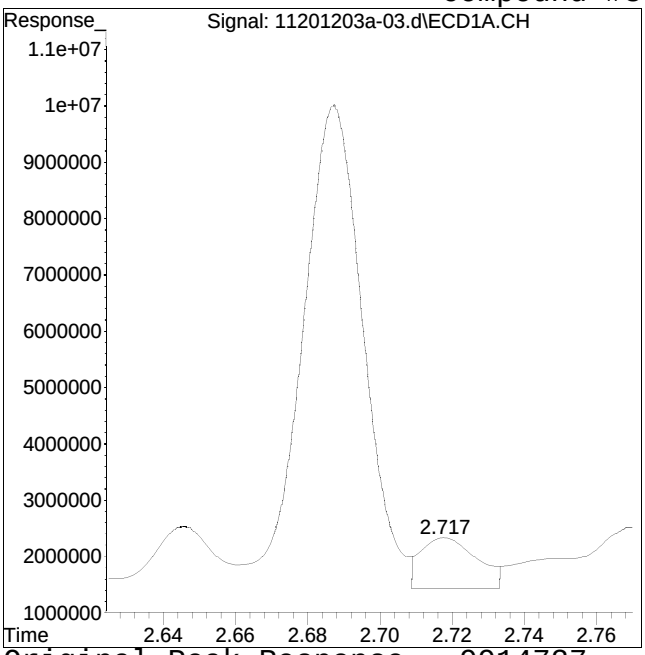
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

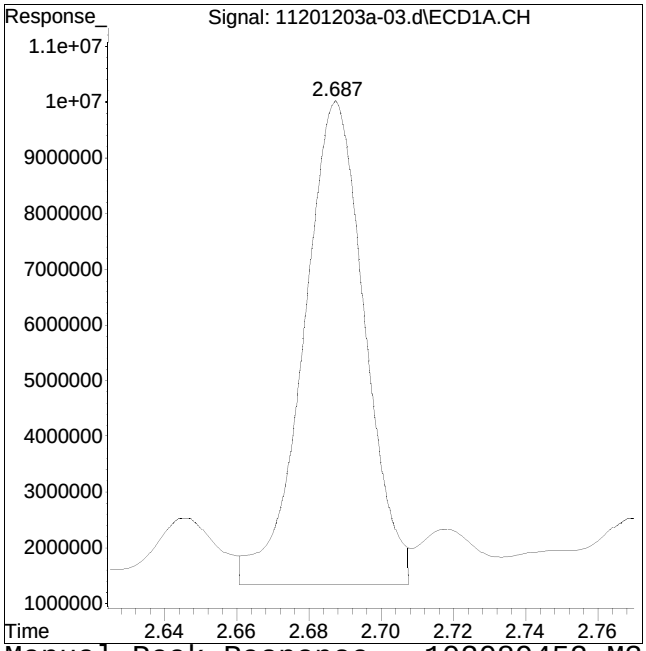


Manual Integration Report

Data Path : I:\Pest11\201203a\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201203a-03.d Operator : PEST11:sc
Date Inj'd : 12/3/2020 5:45 am Instrument : Pest 11
Sample : wg1440679-2,42e,,chlor 101 Quant Date : 12/3/2020 8:23 am

Compound #30: chlordane-3



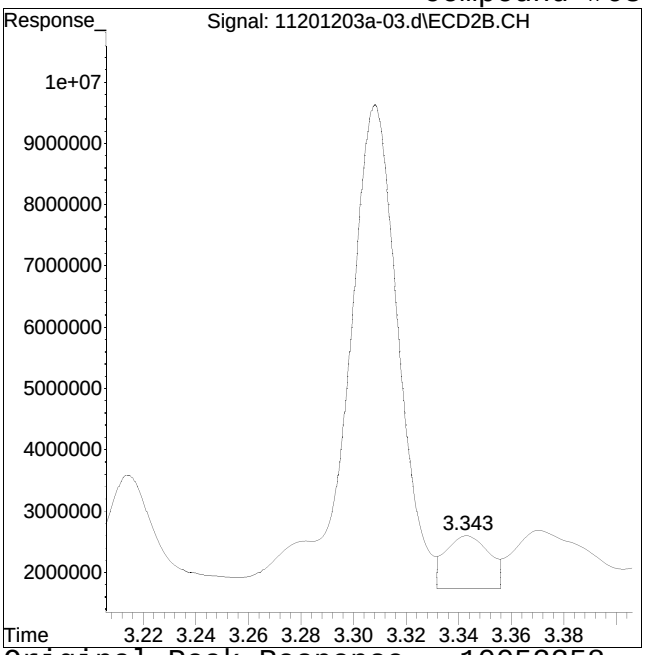


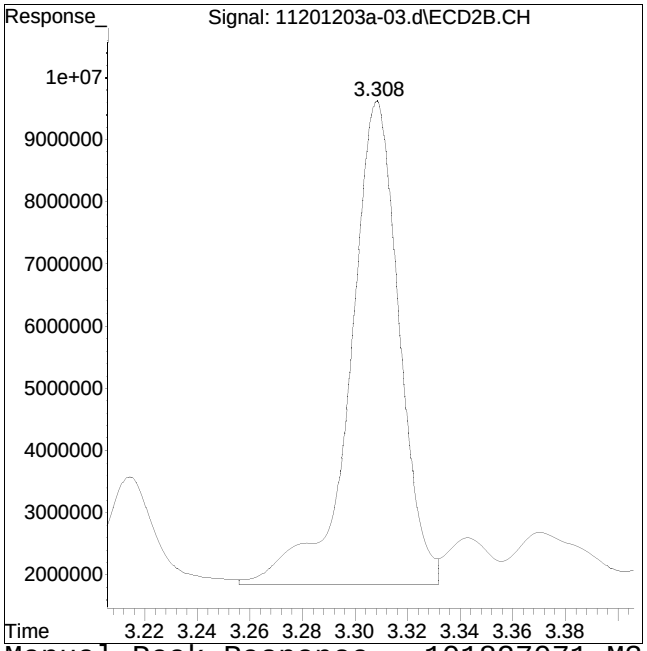
Original Peak Response = 9914727 Manual Peak Response = 102089452 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest11\201203a\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201203a-03.d Operator : PEST11:sc
Date Inj'd : 12/3/2020 5:45 am Instrument : Pest 11
Sample : wg1440679-2,42e,,chlor 101 Quant Date : 12/3/2020 8:23 am

Compound #68: chlordane-3 #2





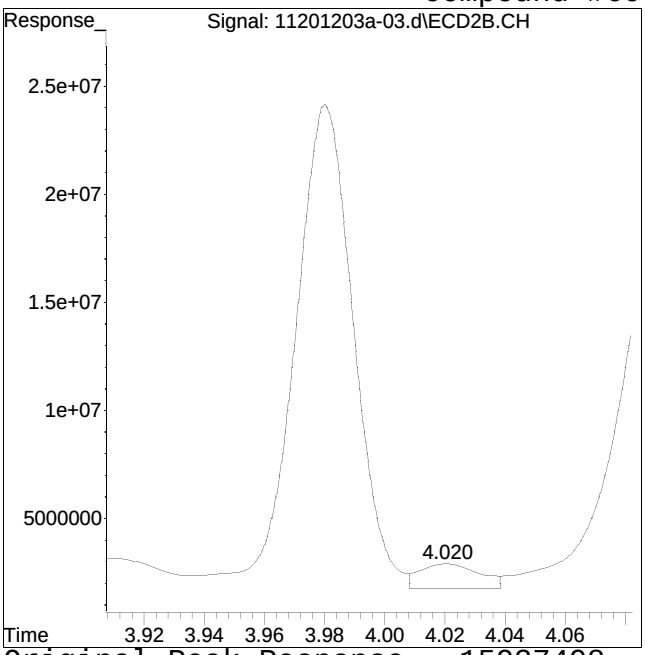
Original Peak Response = 10052358 Manual Peak Response = 101827071 M3

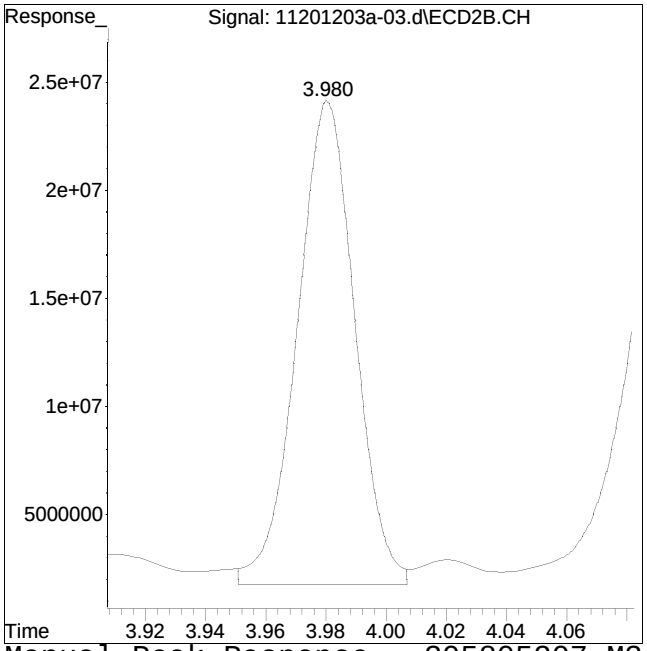
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest11\201203a\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201203a-03.d Operator : PEST11:sc
Date Inj'd : 12/3/2020 5:45 am Instrument : Pest 11
Sample : wg1440679-2,42e,,chlor 101 Quant Date : 12/3/2020 8:23 am

Compound #69: chlordane-4 #2





Original Peak Response = 15937498 Manual Peak Response = 305805207 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\Pest11\201203a\
Data File : 11201203a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 03 Dec 2020   5:56 am
Operator : PEST11:sc
Sample   : wg1440679-3,42e,,tox 10180 (Sig #1); tox 10180 (Sig #2)
Misc   : wg1440679,ical17340
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 08:30:33 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	121	0.00
34	l2	toxaphene-2	2000.000	2079.058	-4.0	124	-0.01
35	l2	toxaphene-3	2000.000	2032.570	-1.6	108	-0.01
36	l2	toxaphene-4	2000.000	2289.841	-14.5	125	-0.01
37	l2	toxaphene-5	2000.000	1965.991	1.7	118	-0.01

Signal #2

33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	93	0.00
34	l2	toxaphene-2	2000.000	2462.051	-23.1#	106	0.01
35	l2	toxaphene-3	2000.000	1825.592	8.7	81	-0.02
36	l2	toxaphene-4	2000.000	1923.158	3.8	83	-0.01
37	l2	toxaphene-5	2000.000	2041.872	-2.1	88	-0.01

Evaluate Continuing Calibration Report - Not Founds

1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	0	-1.21#
2	s	2,4,5,6-Tetrachloro-m-xylen	10.000	0.000	100.0#	0	-1.54#
3	t	Hexachlorobenzene	10.000	0.000	100.0#	0	-1.74#
4	t	alpha-BHC	10.000	0.000	100.0#	0	-1.84#
5	t	gamma-BHC (lindane)	10.000	0.000	100.0#	0	-2.03#
6	t	beta-BHC	10.000	0.000	100.0#	0	-2.09#
7	t	delta-BHC	10.000	0.000	100.0#	0	-2.21#
8	t	Heptachlor	10.000	0.000	100.0#	0	-2.36#
9	t	Aldrin	10.000	0.000	100.0#	0	-2.59#
10	t	Alachlor	10.000	0.000	100.0#	0	-2.72#
11	t	Chlorpyrifos	10.000	0.000	100.0#	0	-2.80#
12	t	Heptachlor Epoxide	10.000	0.000	100.0#	0	-3.12#
13	t	gamma-Chlordane (trans)	10.000	0.000	100.0#	0	-3.24#

Data Path : I:\Pest11\201203a\
Data File : 11201203a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 03 Dec 2020   5:56 am
Operator : PEST11:sc
Sample   : wg1440679-3,42e,,tox 10180 (Sig #1); tox 10180 (Sig #2)
Misc   : wg1440679,ical17340
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 08:30:33 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
14	t	alpha-Chlordane (cis)	10.000	0.000	100.0#	0	-3.37#
15	t	4,4'-DDE	10.000	0.000	100.0#	0	-3.47#
16	t	Endosulfan I	10.000	0.000	100.0#	0	-3.50#
17	t	Dieldrin	10.000	0.000	100.0#	0	-3.76#
18	t	Endrin	10.000	0.000	100.0#	0	-4.01#
19	t	4,4'-DDD	10.000	0.000	100.0#	0	-4.13#
20	t	Endosulfan II	10.000	0.000	100.0#	0	-4.26#
21	t	4,4'-DDT	10.000	0.000	100.0#	0	-4.44#
22	t	Endrin Aldehyde	10.000	0.000	100.0#	0	-4.70#
23	t	Methoxychlor	10.000	0.000	100.0#	0	-4.95#
24	t	Mirex	10.000	0.000	100.0#	0	-5.00#
25	t	Endosulfan Sulfate	10.000	0.000	100.0#	0	-5.11#
26	t	Endrin Ketone	10.000	0.000	100.0#	0	-5.34#
27	s	Decachlorobiphenyl	10.000	0.000	100.0#	0	-6.17#
28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	0	-1.21#
29	l1	chlordane-1	1000.000	0.000	100.0#	0	-2.36#
30	l1	chlordane-3	1000.000	0.000	100.0#	0	-2.71#
31	l1	chlordane-4	1000.000	0.000	100.0#	0	-3.24#
32	l1	chlordane-5	1000.000	0.000	100.0#	0	-3.36#

Signal #2

1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	0	-1.32#
2	s	2,4,5,6-Tetrachloro-m-xyl	10.000	0.000	100.0#	0	-1.79#
3	t	Hexachlorobenzene	10.000	0.000	100.0#	0	-2.10#
4	t	alpha-BHC	10.000	0.000	100.0#	0	-2.20#
5	t	gamma-BHC (lindane)	10.000	0.000	100.0#	0	-2.48#
6	t	beta-BHC	10.000	0.000	100.0#	0	-2.54#
7	t	delta-BHC	10.000	0.000	100.0#	0	-2.80#

Evaluate Continuing Calibration Report

Data Path : I:\Pest11\201203a\
Data File : 11201203a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 03 Dec 2020   5:56 am
Operator : PEST11:sc
Sample   : wg1440679-3,42e,,tox 10180 (Sig #1); tox 10180 (Sig #2)
Misc   : wg1440679,ical17340
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 08:30:33 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
8	t	Heptachlor	10.000	0.000	100.0#	0	-2.86#
9	t	Aldrin	10.000	0.000	100.0#	0	-3.18#
10	t	Alachlor	10.000	0.000	100.0#	0	-3.07#
11	t	Chlorpyrifos	10.000	0.000	100.0#	0	-3.42#
12	t	Heptachlor Epoxide	10.000	0.000	100.0#	0	-3.79#
13	t	gamma-Chlordane (trans)	10.000	0.000	100.0#	0	-4.00#
14	t	alpha-Chlordane (cis)	10.000	0.000	100.0#	0	-4.18#
15	t	4,4'-DDE	10.000	0.000	100.0#	0	-4.39#
16	t	Endosulfan I	10.000	0.000	100.0#	0	-4.24#
17	t	Dieldrin	10.000	0.000	100.0#	0	-4.54#
18	t	Endrin	10.000	0.000	100.0#	0	-4.85#
19	t	4,4'-DDD	10.000	0.000	100.0#	0	-4.98#
20	t	Endosulfan II	10.000	0.000	100.0#	0	-5.05#
21	t	4,4'-DDT	10.000	0.000	100.0#	0	-5.26#
22	t	Endrin Aldehyde	10.000	0.000	100.0#	0	-5.36#
23	t	Methoxychlor	10.000	0.000	100.0#	0	-5.84#
24	t	Mirex	10.000	0.000	100.0#	0	-5.97#
25	t	Endosulfan Sulfate	10.000	0.000	100.0#	0	-5.59#
26	t	Endrin Ketone	10.000	0.000	100.0#	0	-6.01#
27	s	Decachlorobiphenyl	10.000	0.000	100.0#	0	-6.88#
28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	0	-1.32#
29	l1	chlordane-1	1000.000	0.000	100.0#	0	-2.86#
30	l1	chlordane-3	1000.000	0.000	100.0#	0	-3.33#
31	l1	chlordane-4	1000.000	0.000	100.0#	0	-4.00#
32	l1	chlordane-5	1000.000	0.000	100.0#	0	-4.18#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201203a\
Data File : 11201203a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Dec 2020 5:56 am
Operator : PEST11:sc
Sample : wg1440679-3,42e,,tox 10180 (Sig #1); tox 10180 (Sig #2)
Misc : wg1440679,ical17340
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 08:30:33 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	0.000	0.000	0	0	N.D. d	N.D. d
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	1.202	1.307	56979067	65370669	25.000M3	25.000M3
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
27) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 50.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
3) t	Hexachlorobe	0.000	0.000	0	0	N.D. d	N.D. d
4) t	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5) t	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6) t	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7) t	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8) t	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9) t	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
10) t	Alachlor	0.000	0.000	0	0	N.D. d	N.D. d
11) t	Chlorpyrifos	0.000	0.000	0	0	N.D. d	N.D. d
12) t	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13) t	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14) t	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15) t	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17) t	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18) t	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19) t	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20) t	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21) t	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22) t	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\Pest11\201203a\
Data File : 11201203a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Dec 2020 5:56 am
Operator : PEST11:sc
Sample : wg1440679-3,42e,,tox 10180 (Sig #1); tox 10180 (Sig #2)
Misc : wg1440679,ical17340
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 08:30:33 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23) t	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
24) t	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
25) t	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26) t	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	4.238	5.023	225.8E6	135.3E6	2079.058	2462.051M3
35) l2	toxaphene-3	4.369	5.024	207.8E6	152.7E6	2032.570	1825.592
36) l2	toxaphene-4	4.609	5.350	242.6E6	176.5E6	2289.841	1923.158
37) l2	toxaphene-5	4.999	5.764	213.2E6	167.9E6	1965.991	2041.872
Sum	toxaphene-2			889.4E6	632.3E6	8367.459	8252.672
Average	toxaphene-2					2091.865	2063.168

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			889.4E6	632.3E6	8367.459	8252.672
Average	toxaphene-2					2091.865	2063.168

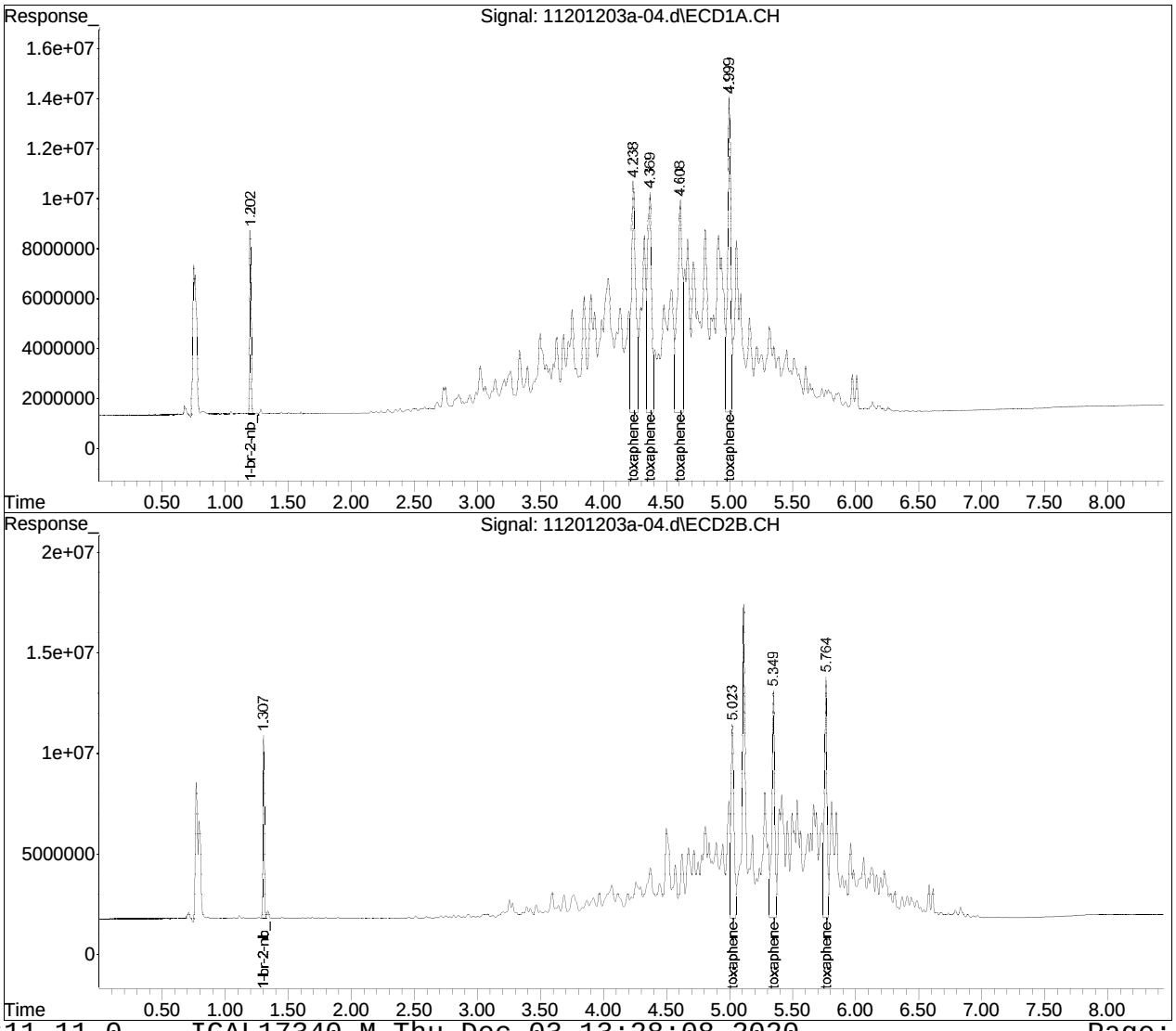
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201203a\
Data File : 11201203a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Dec 2020 5:56 am
Operator : PEST11:sc
Sample : wg1440679-3,42e,,tox 10180 (Sig #1); tox 10180 (Sig #2)
Misc : wg1440679,ical17340
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 08:30:33 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

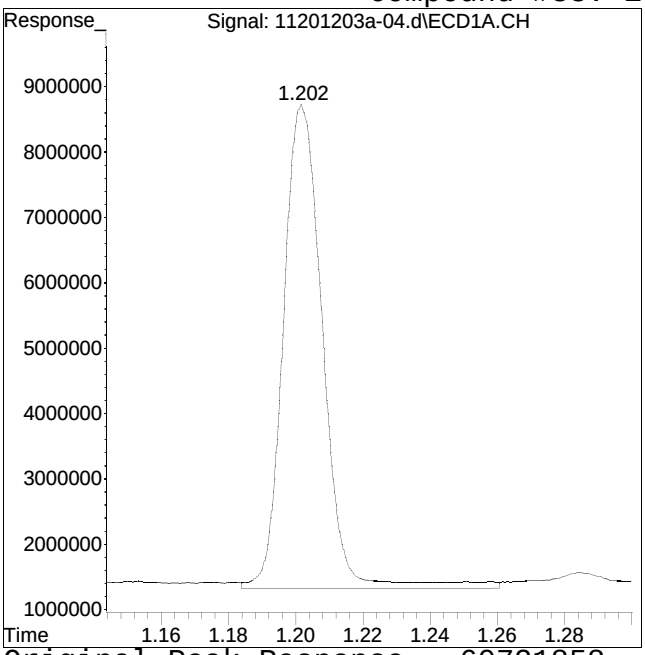
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

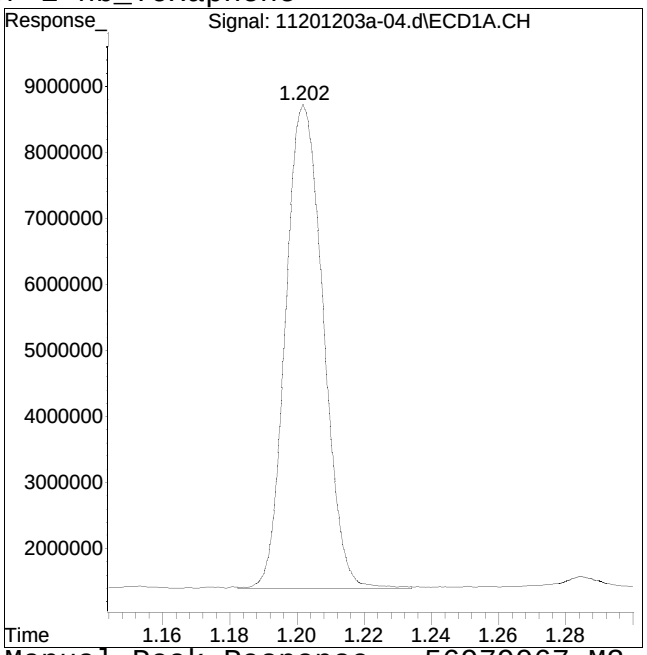


Manual Integration Report

Data Path : I:\Pest11\201203a\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201203a-04.d Operator : PEST11:sc
Date Inj'd : 12/3/2020 5:56 am Instrument : Pest 11
Sample : wg1440679-3,42e,,tox 10180 Quant Date : 12/3/2020 8:24 am

Compound #33: 1-br-2-nb_Toxaphene



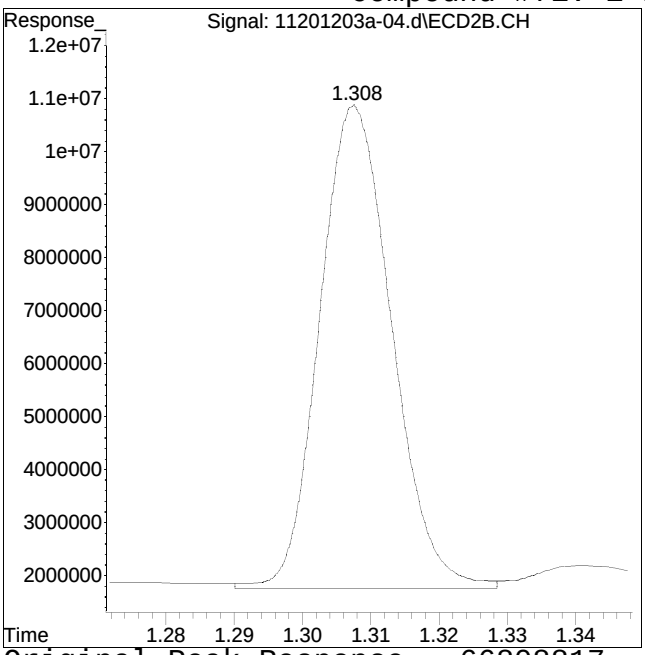


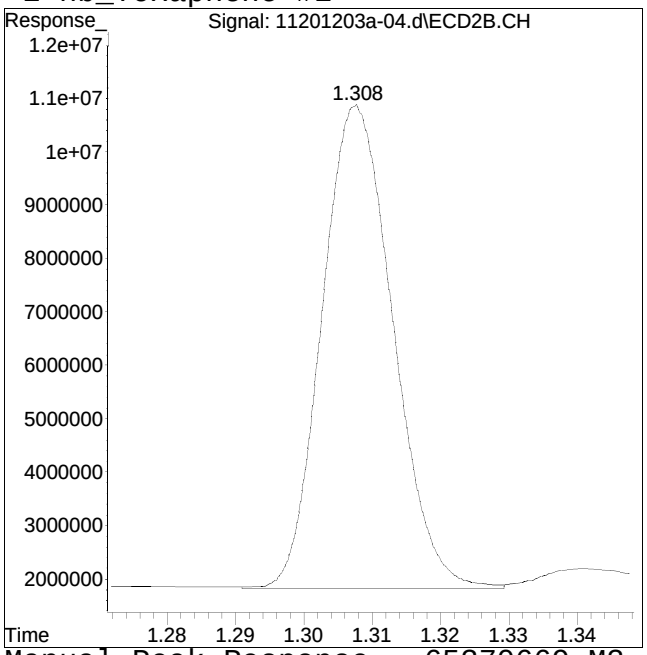
Original Peak Response = 60721858 Manual Peak Response = 56979067 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest11\201203a\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201203a-04.d Operator : PEST11:sc
Date Inj'd : 12/3/2020 5:56 am Instrument : Pest 11
Sample : wg1440679-3,42e,,tox 10180 Quant Date : 12/3/2020 8:24 am

Compound #71: 1-br-2-nb_Toxaphene #2



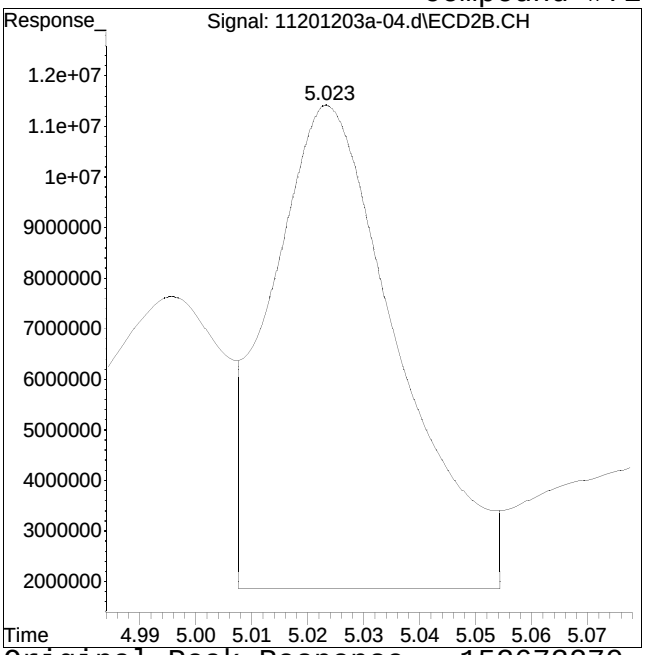


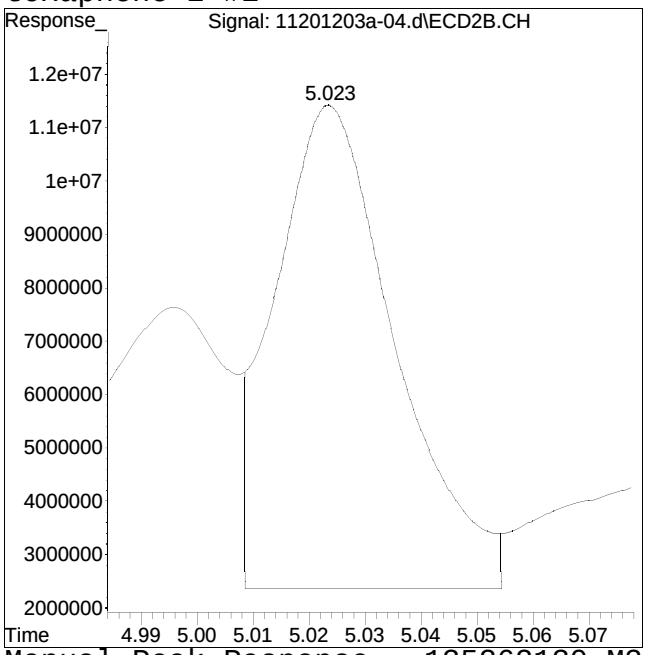
Original Peak Response = 66808817 Manual Peak Response = 65370669 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest11\201203a\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201203a-04.d Operator : PEST11:sc
Date Inj'd : 12/3/2020 5:56 am Instrument : Pest 11
Sample : wg1440679-3,42e,,tox 10180 Quant Date : 12/3/2020 8:24 am

Compound #72: toxaphene-2 #2





Original Peak Response = 152673270 Manual Peak Response = 135262130 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\Pest11\201203a\
Data File : 11201203a-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 03 Dec 2020   8:50 am
Operator : PEST11:sc
Sample   : wg1440679-1,42e,,pest 10181 (Sig #1); pest 10181 (Sig #2)
Misc   : wg1440679,ical17340
ALS Vial : 6 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 09:46:20 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	136	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen	50.000	47.919	4.2	152	0.00
3	t	Hexachlorobenzene	50.000	46.792	6.4	154	0.00
4	t	alpha-BHC	50.000	54.924	-9.8	157	0.00
5	t	gamma-BHC (lindane)	50.000	50.923	-1.8	151	0.00
6	t	beta-BHC	50.000	58.170	-16.3	147	0.00
7	t	delta-BHC	50.000	53.310	-6.6	155	0.00
8	t	Heptachlor	50.000	56.906	-13.8	149	0.00
9	t	Aldrin	50.000	52.213	-4.4	154	0.00
10	t	Alachlor	50.000	47.651	4.7	147	0.00
11	t	Chlorpyrifos	50.000	53.032	-6.1	147	0.00
12	t	Heptachlor Epoxide	50.000	49.202	1.6	152	0.00
13	t	gamma-Chlordane (trans)	50.000	57.427	-14.9	149	0.00
14	t	alpha-Chlordane (cis)	50.000	57.578	-15.2	148	0.00
15	t	4,4'-DDE	50.000	55.545	-11.1	146	0.00
16	t	Endosulfan I	50.000	57.985	-16.0	149	0.00
17	t	Dieldrin	50.000	53.522	-7.0	159	-0.01
18	t	Endrin	50.000	51.722	-3.4	150	-0.01
19	t	4,4'-DDD	50.000	53.170	-6.3	155	0.00
20	t	Endosulfan II	50.000	57.349	-14.7	148	-0.01
21	t	4,4'-DDT	50.000	49.677	0.6	143	0.00
22	t	Endrin Aldehyde	50.000	47.847	4.3	142	0.00
23	t	Methoxychlor	50.000	56.274	-12.5	139	0.00
24	t	Mirex	50.000	50.992	-2.0	141	-0.01
25	t	Endosulfan Sulfate	50.000	58.437	-16.9	150	-0.01
26	t	Endrin Ketone	50.000	49.801	0.4	150	-0.01
27	s	Decachlorobiphenyl	50.000	61.144	-22.3#	154	0.00

Signal #2

Evaluate Continuing Calibration Report

Data Path : I:\Pest11\201203a\
Data File : 11201203a-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 03 Dec 2020   8:50 am
Operator : PEST11:sc
Sample   : wg1440679-1,42e,,pest 10181 (Sig #1); pest 10181 (Sig #2)
Misc   : wg1440679,ical17340
ALS Vial : 6 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 09:46:20 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
1	i	1-br-2-nb_Pesticides	25.000	25.000	0.0	96	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl	50.000	55.008	-10.0	116	-0.01
3	t	Hexachlorobenzene	50.000	52.297	-4.6	117	-0.01
4	t	alpha-BHC	50.000	59.107	-18.2	112	-0.01
5	t	gamma-BHC (lindane)	50.000	52.468	-4.9	108	-0.01
6	t	beta-BHC	50.000	48.463	3.1	103	-0.01
7	t	delta-BHC	50.000	55.156	-10.3	108	-0.01
8	t	Heptachlor	50.000	48.803	2.4	101	-0.01
9	t	Aldrin	50.000	53.438	-6.9	106	-0.02
10	t	Alachlor	50.000	46.674	6.7	101	-0.01
11	t	Chlorpyrifos	50.000	50.291	-0.6	98	-0.01
12	t	Heptachlor Epoxide	50.000	47.474	5.1	100	-0.02
13	t	gamma-Chlordane (trans)	50.000	46.399	7.2	98	-0.02
14	t	alpha-Chlordane (cis)	50.000	47.428	5.1	97	-0.02
15	t	4,4'-DDE	50.000	49.839	0.3	97	-0.02
16	t	Endosulfan I	50.000	46.748	6.5	98	-0.02
17	t	Dieldrin	50.000	50.538	-1.1	102	-0.02
18	t	Endrin	50.000	47.417	5.2	97	-0.02
19	t	4,4'-DDD	50.000	47.856	4.3	96	-0.01
20	t	Endosulfan II	50.000	46.676	6.6	97	-0.01
21	t	4,4'-DDT	50.000	45.482	9.0	90	-0.01
22	t	Endrin Aldehyde	50.000	46.734	6.5	95	-0.01
23	t	Methoxychlor	50.000	47.029	5.9	93	-0.01
24	t	Mirex	50.000	58.951	-17.9	112	-0.01
25	t	Endosulfan Sulfate	50.000	56.899	-13.8	105	-0.01
26	t	Endrin Ketone	50.000	56.616	-13.2	115	-0.01
27	s	Decachlorobiphenyl	50.000	81.617	-63.2#	147	-0.01

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\Pest11\201203a\
Data File : 11201203a-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 03 Dec 2020   8:50 am
Operator : PEST11:sc
Sample   : wg1440679-1,42e,,pest 10181 (Sig #1); pest 10181 (Sig #2)
Misc   : wg1440679,ical17340
ALS Vial : 6 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 09:46:20 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(Min)
28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	0	-1.21#
29	l1	chlordane-1	2000.000	0.000	100.0#	0	-2.36#
30	l1	chlordane-3	2000.000	0.000	100.0#	0	-2.71#
31	l1	chlordane-4	2000.000	0.000	100.0#	0	-3.24#
32	l1	chlordane-5	2000.000	0.000	100.0#	0	-3.36#
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	0	-1.21#
34	l2	toxaphene-2	5000.000	0.000	100.0#	0	-4.25#
35	l2	toxaphene-3	5000.000	0.000	100.0#	0	-4.38#
36	l2	toxaphene-4	5000.000	0.000	100.0#	0	-4.62#
37	l2	toxaphene-5	5000.000	0.000	100.0#	0	-5.01#

Signal #2

28	i	1-br-2-nb_Chlordane	25.000	25.000	0.0	0	-1.32#
29	l1	chlordane-1	2000.000	0.000	100.0#	0	-2.86#
30	l1	chlordane-3	2000.000	0.000	100.0#	0	-3.33#
31	l1	chlordane-4	2000.000	0.000	100.0#	0	-4.00#
32	l1	chlordane-5	2000.000	0.000	100.0#	0	-4.18#
33	i	1-br-2-nb_Toxaphene	25.000	25.000	0.0	0	-1.32#
34	l2	toxaphene-2	5000.000	0.000	100.0#	0	-5.01#
35	l2	toxaphene-3	5000.000	0.000	100.0#	0	-5.04#
36	l2	toxaphene-4	5000.000	0.000	100.0#	0	-5.36#
37	l2	toxaphene-5	5000.000	0.000	100.0#	0	-5.78#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201203a\
Data File : 11201203a-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Dec 2020 8:50 am
Operator : PEST11:sc
Sample : wg1440679-1,42e,,pest 10181 (Sig #1); pest 10181 (Sig #2)
Misc : wg1440679,ical17340
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 09:46:20 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.204	1.309	63296909	68757348	25.000	25.000
28) i	1-br-2-nb_Ch	0.000	0.000	0	0	N.D. d	N.D. d
33) i	1-br-2-nb_To	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.533	1.776	151.2E6	185.0E6	47.919	55.008
	Spiked Amount 50.000	Range 30 - 150		Recovery =		95.84%	110.02%
27) s	Decachlorobi	6.160	6.869	155.1E6	158.3E6	61.144	81.617
	Spiked Amount 50.000	Range 30 - 150		Recovery =		122.29%	163.23%#
	Target Compounds						
3) t	Hexachlorobe	1.737	2.089	167.1E6	201.0E6	46.792	52.297
4) t	alpha-BHC	1.832	2.184	202.6E6	236.8E6	54.924	59.107
5) t	gamma-BHC (l	2.025	2.463	183.2E6	206.3E6	50.923M3	52.468
6) t	beta-BHC	2.080	2.528	88420808	97724364	58.170	48.463
7) t	delta-BHC	2.202	2.789	188.4E6	204.6E6	53.310	55.156
8) t	Heptachlor	2.356	2.850	179.3E6	189.8E6	56.906	48.803
9) t	Aldrin	2.587	3.163	167.5E6	173.7E6	52.213	53.438
10) t	Alachlor	2.712	3.054	30472091	30277667	47.651	46.674
11) t	Chlorpyrifos	2.798	3.403	98730003	98017562	53.032	50.291
12) t	Heptachlor E	3.114	3.770	166.0E6	159.0E6	49.202	47.474
13) t	gamma-Chlord	3.232	3.987	166.9E6	156.7E6	57.427	46.399
14) t	alpha-Chlord	3.363	4.160	164.5E6	150.5E6	57.578	47.428
15) t	4,4'-DDE	3.460	4.371	159.2E6	143.5E6	55.545	49.839
16) t	Endosulfan I	3.494	4.222	152.8E6	139.0E6	57.985M3	46.748
17) t	Dieldrin	3.747	4.526	171.8E6	149.0E6	53.522	50.538
18) t	Endrin	3.996	4.833	170.7E6	141.2E6	51.722	47.417
19) t	4,4'-DDD	4.117	4.966	136.3E6	108.1E6	53.170	47.856
20) t	Endosulfan I	4.251	5.039	151.2E6	125.0E6	57.349	46.676
21) t	4,4'-DDT	4.429	5.250	148.8E6	114.0E6	49.677	45.482
22) t	Endrin Aldeh	4.694	5.343	127.5E6	103.4E6	47.847	46.734
23) t	Methoxychlor	4.945	5.829	85744470	65056692	56.274	47.029

Data Path : I:\Pest11\201203a\
Data File : 11201203a-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Dec 2020 8:50 am
Operator : PEST11:sc
Sample : wg1440679-1,42e,,pest 10181 (Sig #1); pest 10181 (Sig #2)
Misc : wg1440679,ical17340
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 09:46:20 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
24) t	Mirex	4.986	5.955	133.9E6	113.8E6	50.992	58.951
25) t	Endosulfan S	5.103	5.576	154.2E6	122.7E6	58.437	56.899
26) t	Endrin Keton	5.335	5.994	174.8E6	149.5E6	49.801	56.616
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
34) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	toxaphene-2			0	0	N.D.	N.D.
Average	toxaphene-2					0.000	0.000

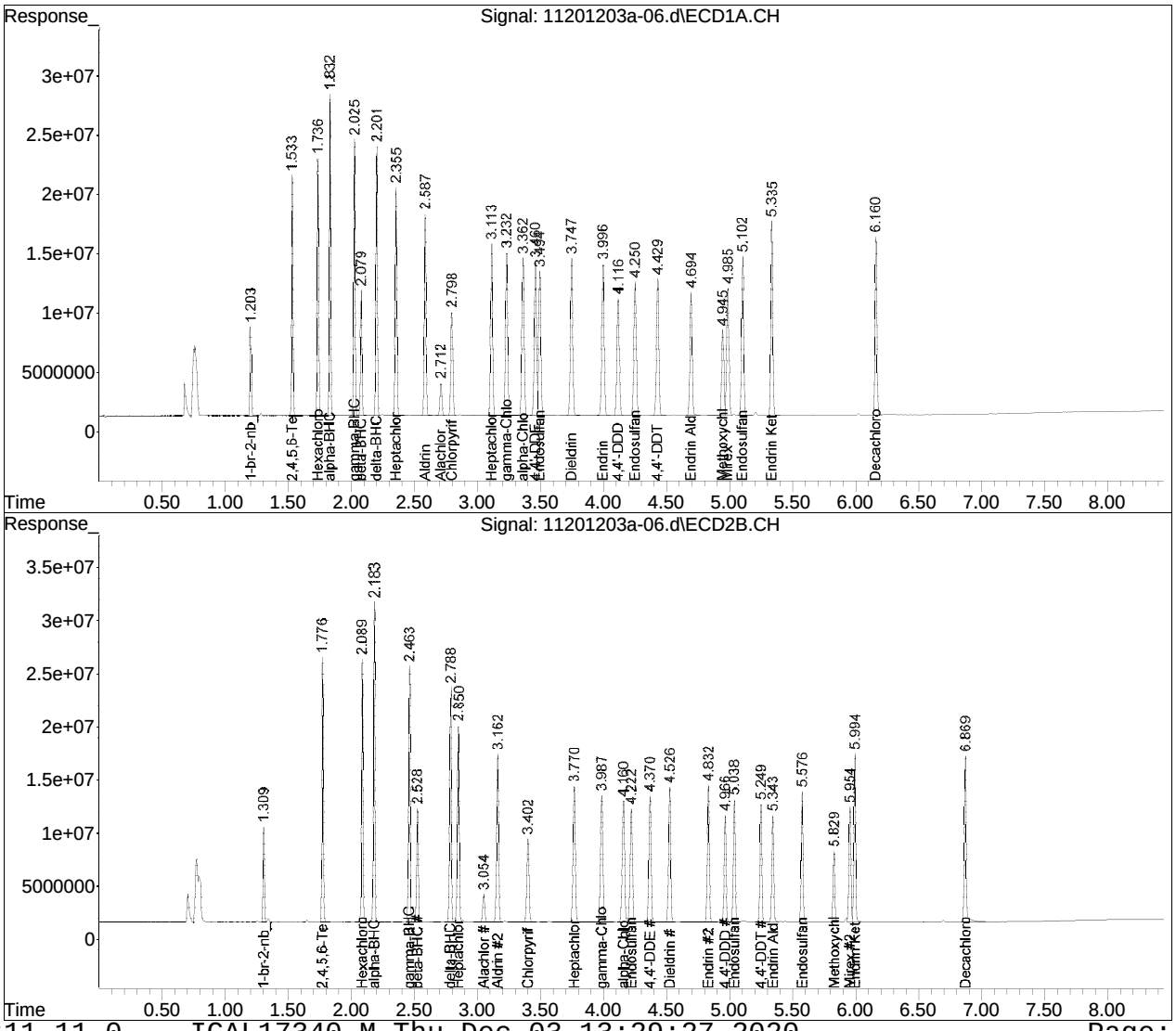
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\Pest11\201203a\
Data File : 11201203a-06.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Dec 2020 8:50 am
Operator : PEST11:sc
Sample : wg1440679-1,42e,,pest 10181 (Sig #1); pest 10181 (Sig #2)
Misc : wg1440679,ical17340
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 09:46:20 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

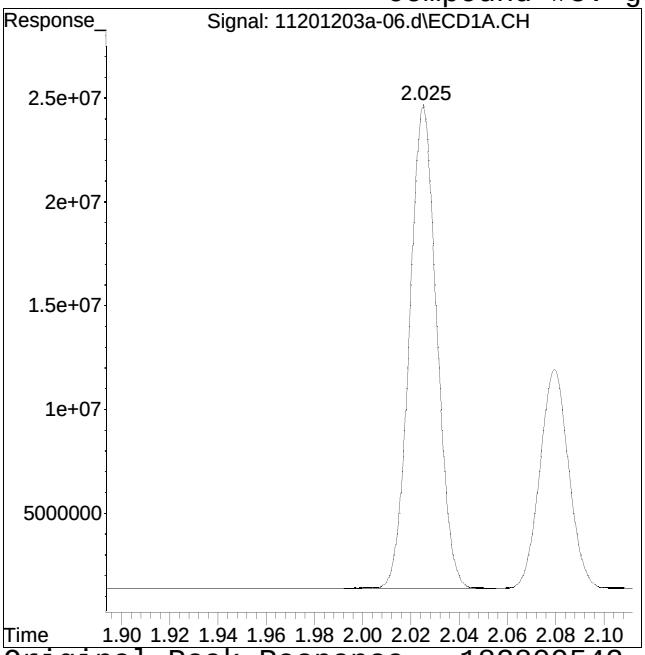
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

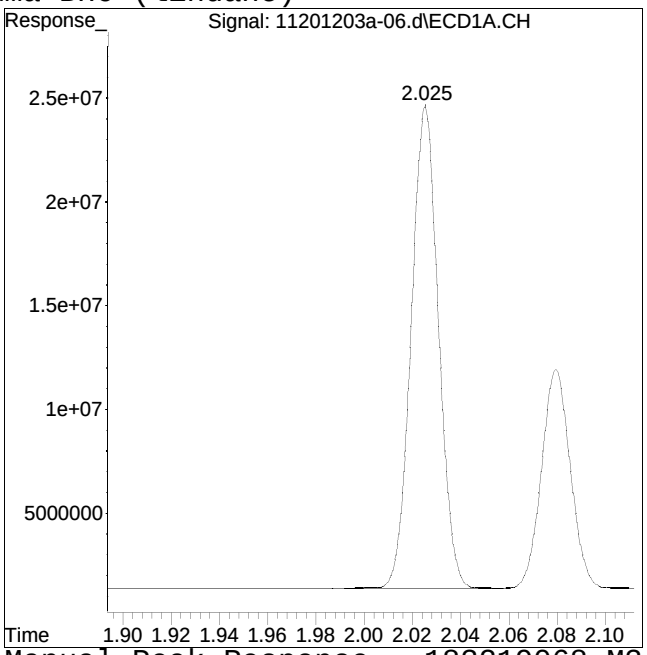


Manual Integration Report

Data Path : I:\Pest11\201203a\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201203a-06.d Operator : PEST11:sc
Date Inj'd : 12/3/2020 8:50 am Instrument : Pest 11
Sample : wg1440679-1,42e,,pest 1018 Quant Date : 12/3/2020 9:45 am

Compound #5: gamma-BHC (lindane)



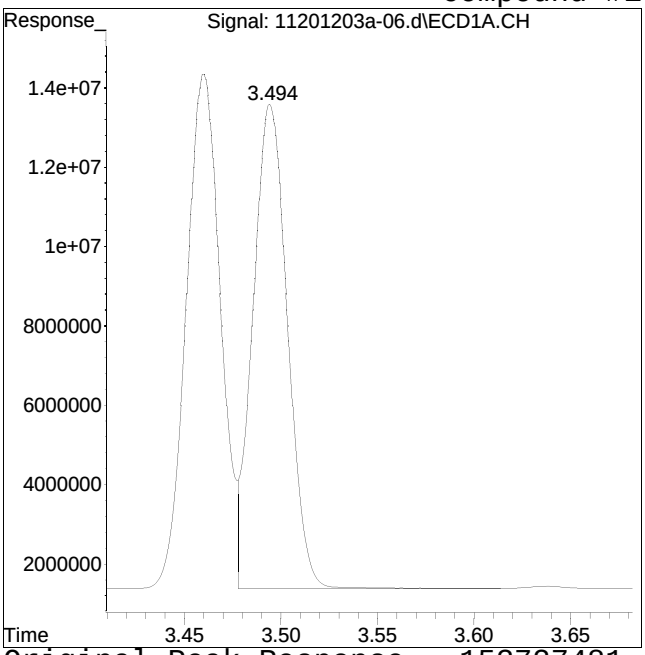


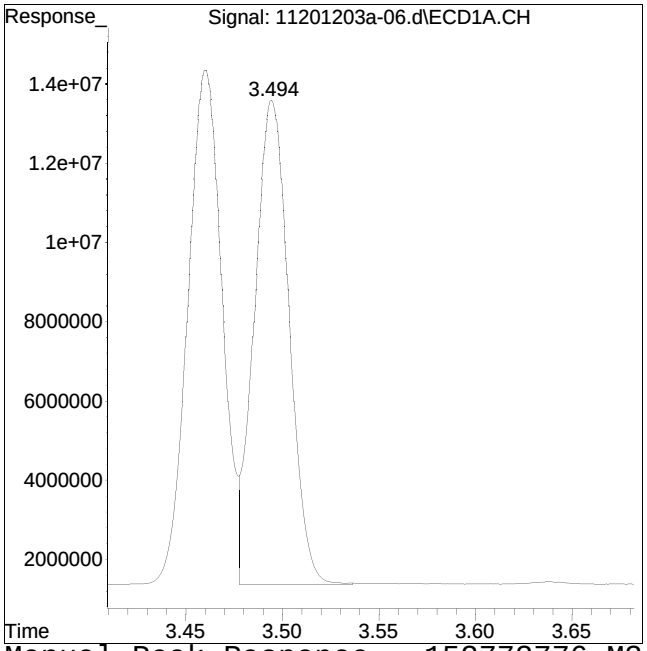
Original Peak Response = 182809542 Manual Peak Response = 183219068 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest11\201203a\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201203a-06.d Operator : PEST11:sc
Date Inj'd : 12/3/2020 8:50 am Instrument : Pest 11
Sample : wg1440679-1,42e,,pest 1018 Quant Date : 12/3/2020 9:45 am

Compound #16: Endosulfan I





Original Peak Response = 153727481 Manual Peak Response = 152773776 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Degradation Check Standard

Performance Evaluation Mixture Summary
Form 15
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: PEST18	**Analysis Date**	: 12/02/20 08:07
PEM Standard	: R1378160-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	368771.2804	919049.802
Endrin	267053888.825	299110848
4,4'-DDD	779044.41	898277.3172
4,4'-DDT	482704407.3711	549346336.70598
Endrin Aldehyde	0	644019.9402
Endrin Ketone	622377.73908	1504030.12659

Parameter	%Breakdown 1	%Breakdown 2
Endrin	0.232	0.713
DDT	0.237	0.330

Performance Evaluation Mixture Summary
Form 15
Pesticides

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: PEST11	**Analysis Date**	: 12/03/20 05:24
PEM Standard	: R1378781-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	788438.744	387216.8672
Endrin	149021395.56164	135957445.39922
4,4'-DDD	680912.56264	991986.0001
4,4'-DDT	257070295.12219	221438497.08933
Endrin Aldehyde	445258.39462	1647075.40079
Endrin Ketone	756184.3588	715292.9086

Parameter	%Breakdown 1	%Breakdown 2
Endrin	0.800	1.71
DDT	0.568	0.619

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201202a\
Data File : 18201202a-01.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 8:07 am
Operator : PEST18:bm
Sample : pem18201202a01,42ee,,deg 10100 (Sig #1); deg 10100 (Sig #2)
Misc : wg1440148,ical17270
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 09:02:31 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Tue Dec 01 19:11:00 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1-br-2-nb_Pe	1.197	1.319	90883919	109.0E6	25.000M4	25.000
	System Monitoring Compounds						
	Target Compounds						
15)	4,4'-DDE	3.408	4.366	368771	919050	0.074M2	0.175M2
D							
18)	Endrin	3.936	4.824	267.1E6	299.1E6	55.398	64.260
19)	4,4'-DDD	4.057	4.962	779044	898277	0.197M3	0.225M2
21)	4,4'-DDT	4.374	5.217	482.7E6	549.3E6	105.692M4	106.414
22)	Endrin Aldeh	0.000	5.284	0	644020	N.D.	0.151M3
26)	Endrin Keton	5.247	5.708	622378	1504030	0.117M2	0.240M4
D							
	Sum chlordane-1			0	0	N.D.	N.D.
Average	chlordane-1					0.000	0.000
	Sum toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000
	SemiQuant Compounds - Not Calibrated on this Instrument						
	Sum toxaphene-1			0	0	N.D.	N.D.
Average	toxaphene-1					0.000	0.000

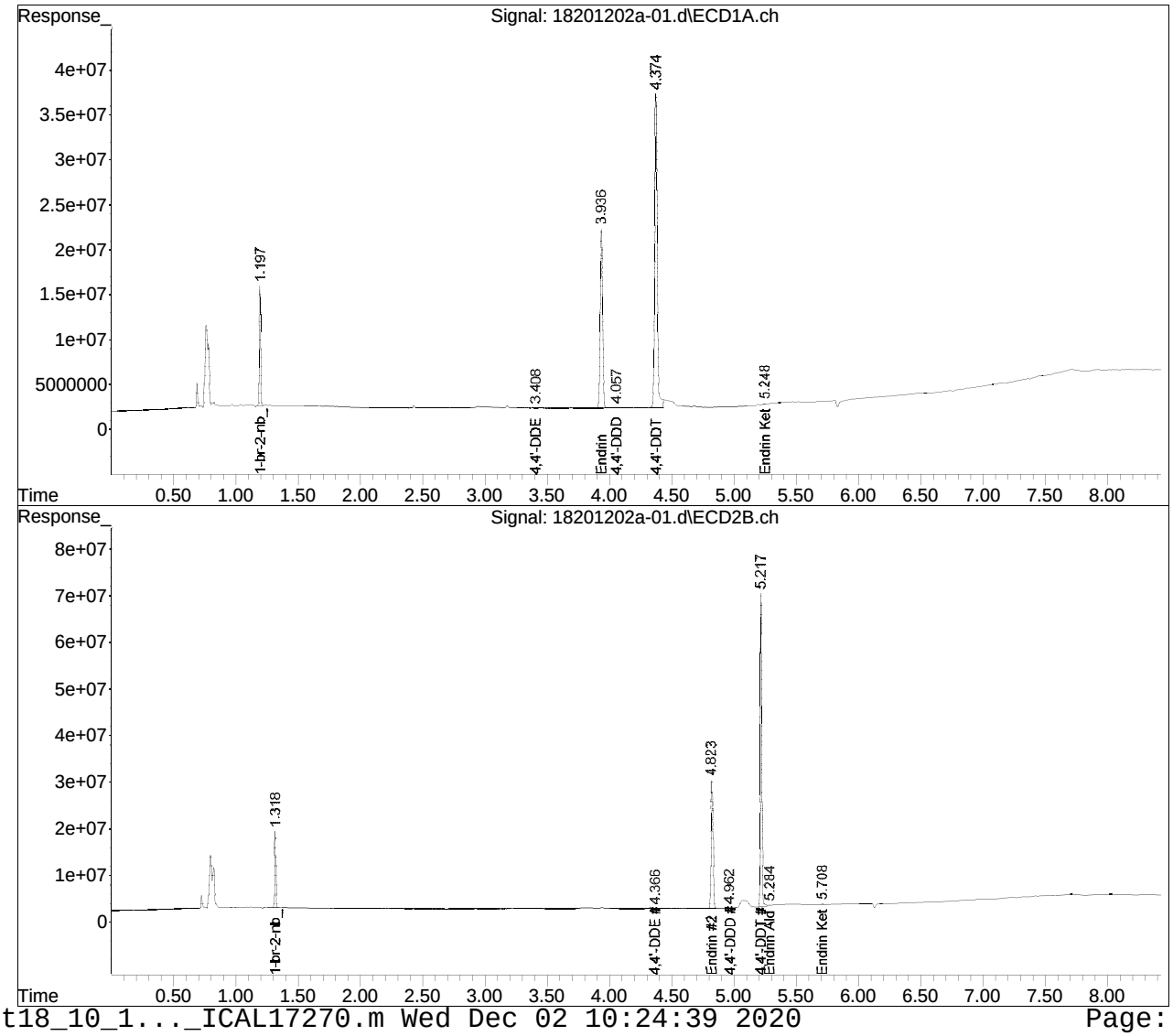
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\Pest18\201202a\
Data File : 18201202a-01.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 8:07 am
Operator : PEST18:bm
Sample : pem18201202a01,42ee,,deg 10100 (Sig #1); deg 10100 (Sig #2)
Misc : wg1440148,ical17270
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 09:02:31 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Tue Dec 01 19:11:00 2020
Response via : Initial Calibration
Integrator: ChemStation

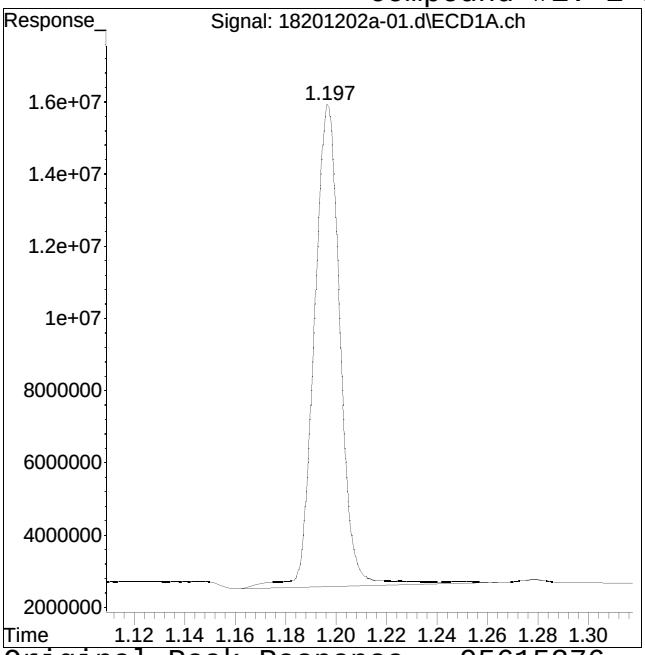
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

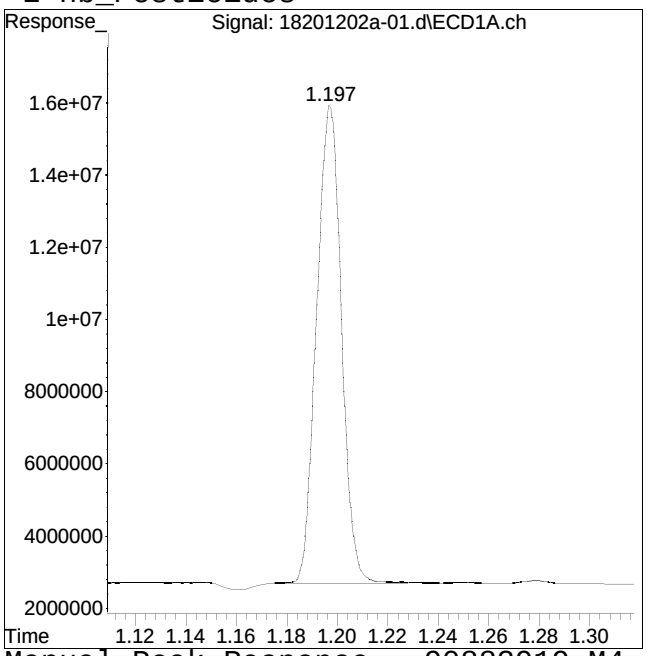


Manual Integration Report

Data Path : I:\Pest18\201202a\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201202a-01.d Operator : PEST18:bm
Date Inj'd : 12/2/2020 8:07 am Instrument : Pest 18
Sample : pem18201202a01,42ee,,deg 1Quant Date : 12/2/2020 8:58 am

Compound #1: 1-br-2-nb_Pesticides



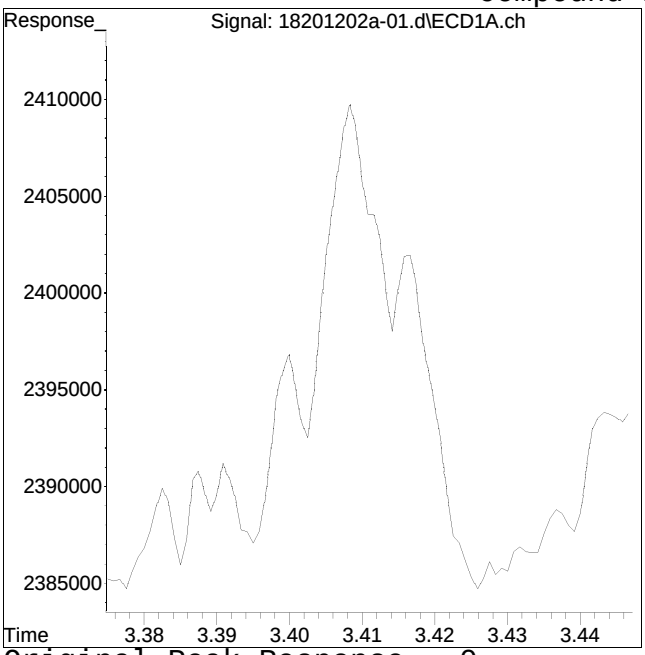


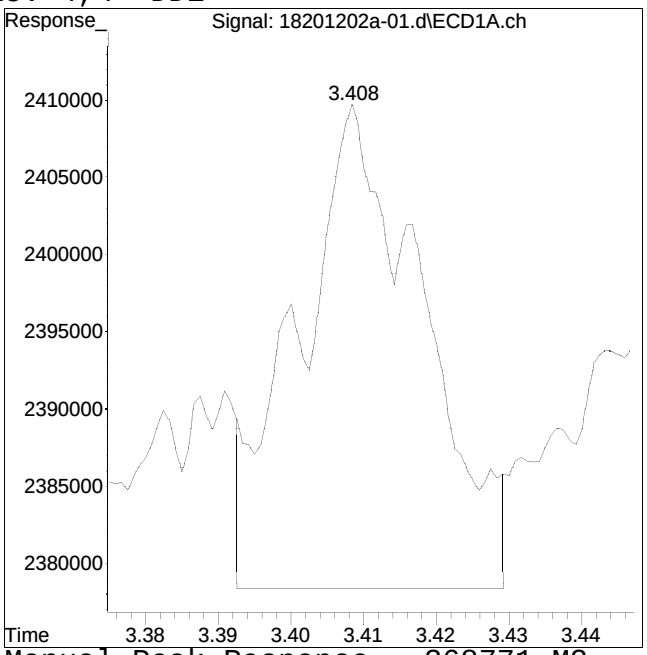
Original Peak Response = 95615276 Manual Peak Response = 90883919 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest18\201202a\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201202a-01.d Operator : PEST18:bm
Date Inj'd : 12/2/2020 8:07 am Instrument : Pest 18
Sample : pem18201202a01,42ee,,deg 1Quant Date : 12/2/2020 8:58 am

Compound #15: 4,4'-DDE



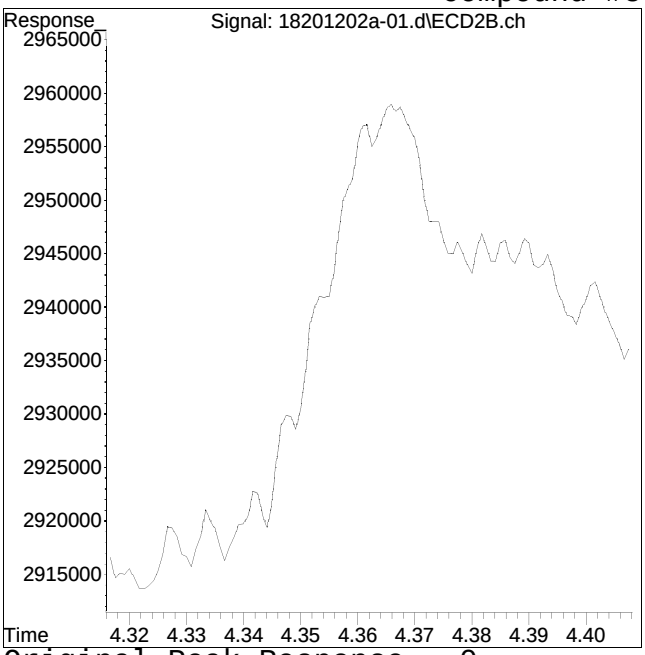


Original Peak Response = 0 Manual Peak Response = 368771 M2
M2 = Peak not found by automatic integration algorithm.

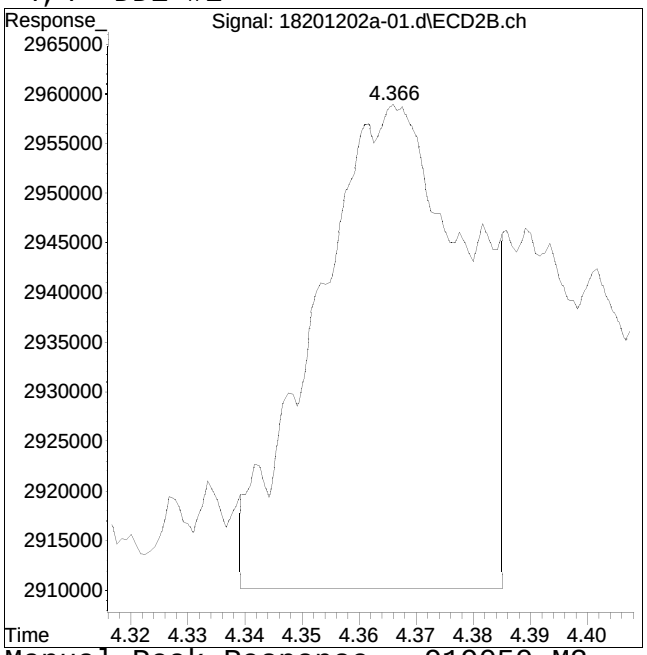
Manual Integration Report

Data Path : I:\Pest18\201202a\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201202a-01.d Operator : PEST18:bm
Date Inj'd : 12/2/2020 8:07 am Instrument : Pest 18
Sample : pem18201202a01,42ee,,deg 1Quant Date : 12/2/2020 8:58 am

Compound #53: 4,4'-DDE #2



Original Peak Response = 0



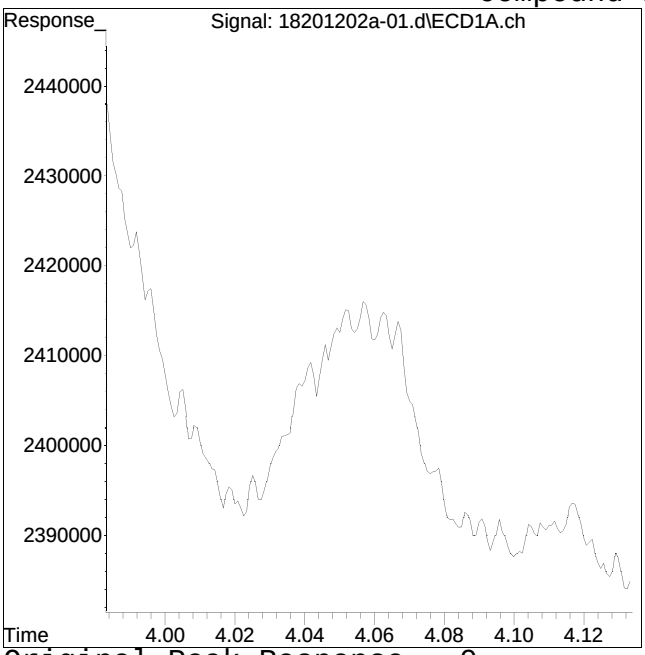
Manual Peak Response = 919050 M2

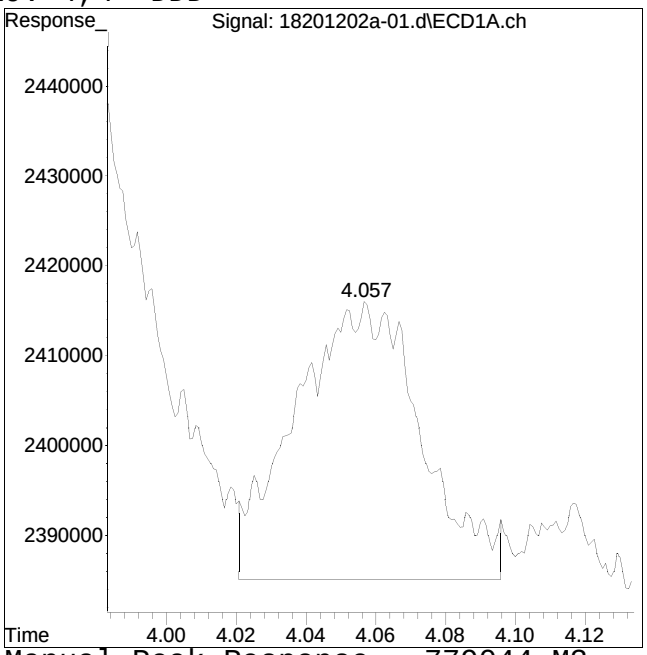
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest18\201202a\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201202a-01.d Operator : PEST18:bm
Date Inj'd : 12/2/2020 8:07 am Instrument : Pest 18
Sample : pem18201202a01,42ee,,deg 1Quant Date : 12/2/2020 8:58 am

Compound #19: 4,4'-DDD



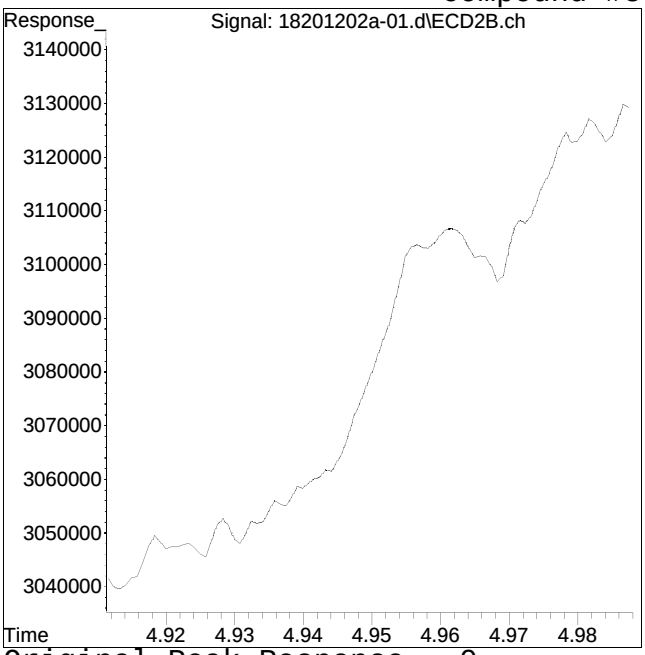


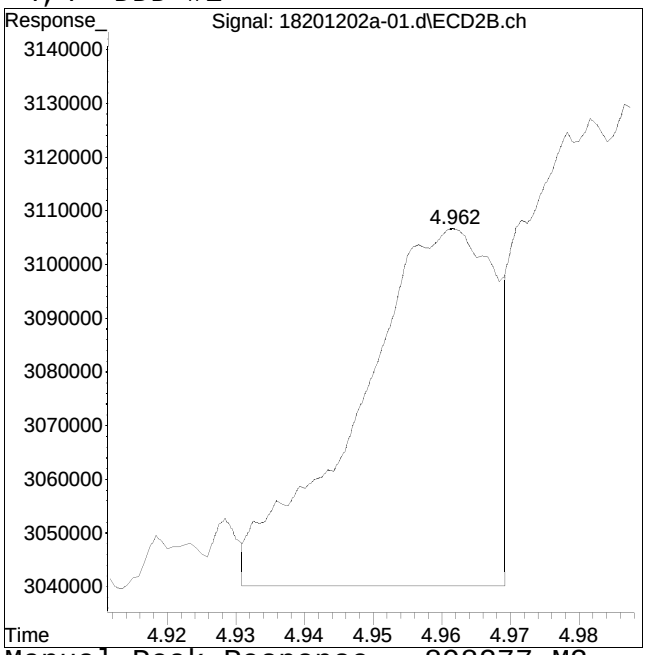
Original Peak Response = 0 Manual Peak Response = 779044 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest18\201202a\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201202a-01.d Operator : PEST18:bm
Date Inj'd : 12/2/2020 8:07 am Instrument : Pest 18
Sample : pem18201202a01,42ee,,deg 1Quant Date : 12/2/2020 8:58 am

Compound #57: 4,4'-DDD #2



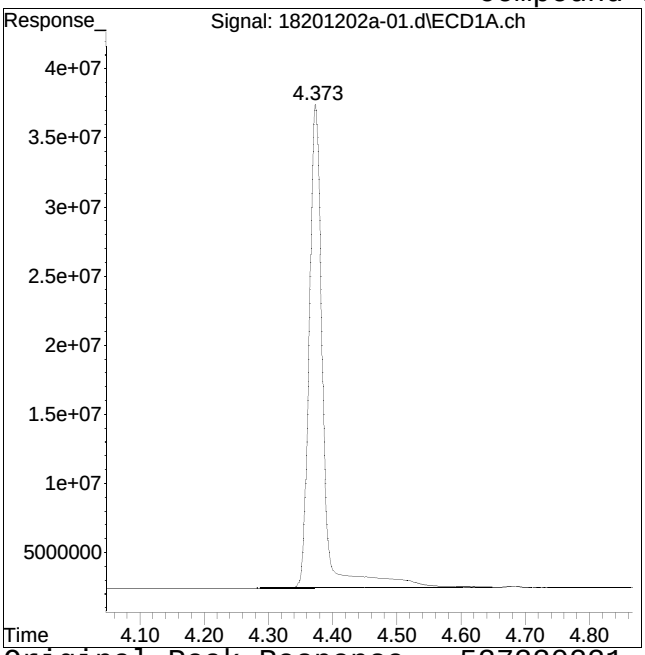


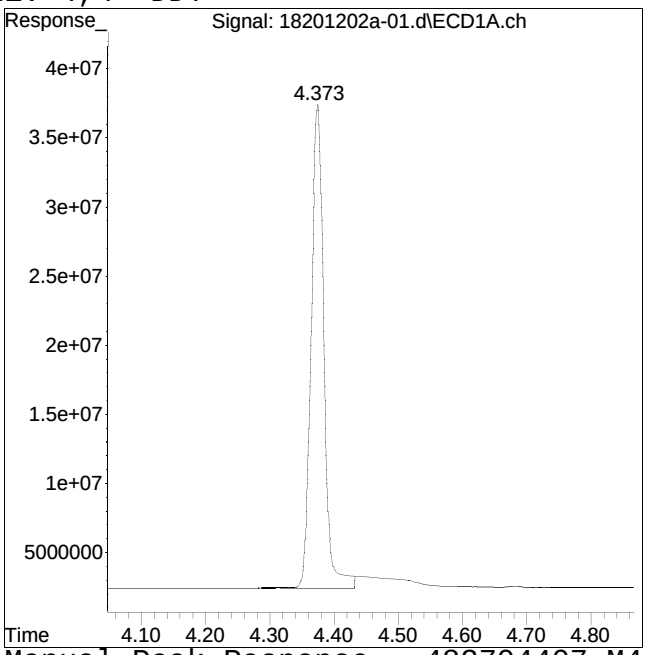
Original Peak Response = 0 Manual Peak Response = 898277 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\Pest18\201202a\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201202a-01.d Operator : PEST18:bm
Date Inj'd : 12/2/2020 8:07 am Instrument : Pest 18
Sample : pem18201202a01,42ee,,deg 1Quant Date : 12/2/2020 8:58 am

Compound #21: 4,4'-DDT



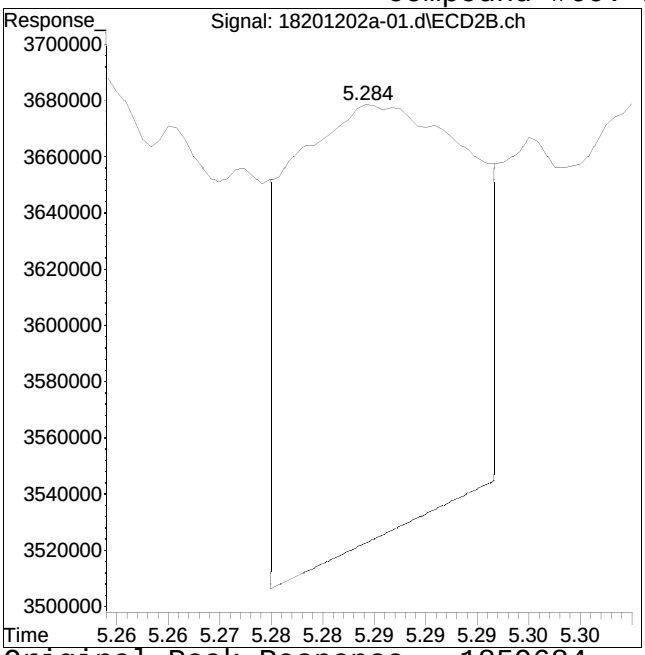


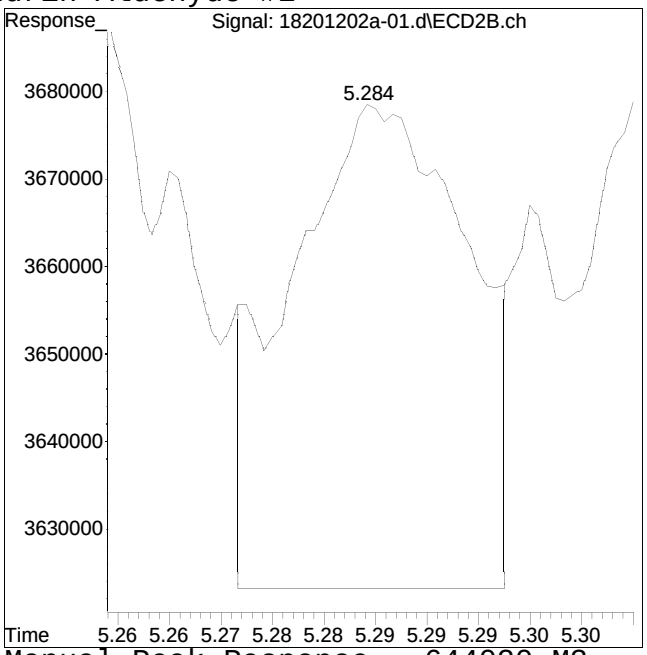
Original Peak Response = 527330221 Manual Peak Response = 482704407 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\Pest18\201202a\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201202a-01.d Operator : PEST18:bm
Date Inj'd : 12/2/2020 8:07 am Instrument : Pest 18
Sample : pem18201202a01,42ee,,deg 1Quant Date : 12/2/2020 8:58 am

Compound #60: Endrin Aldehyde #2



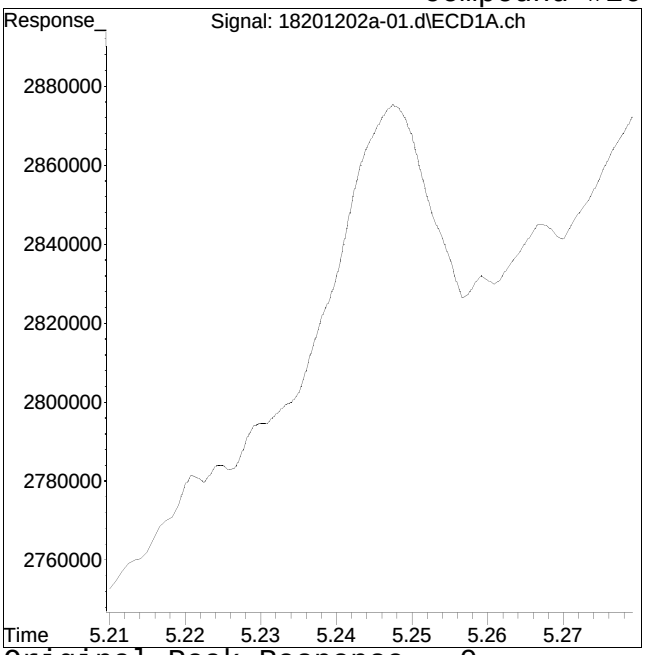


Original Peak Response = 1859684 Manual Peak Response = 644020 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

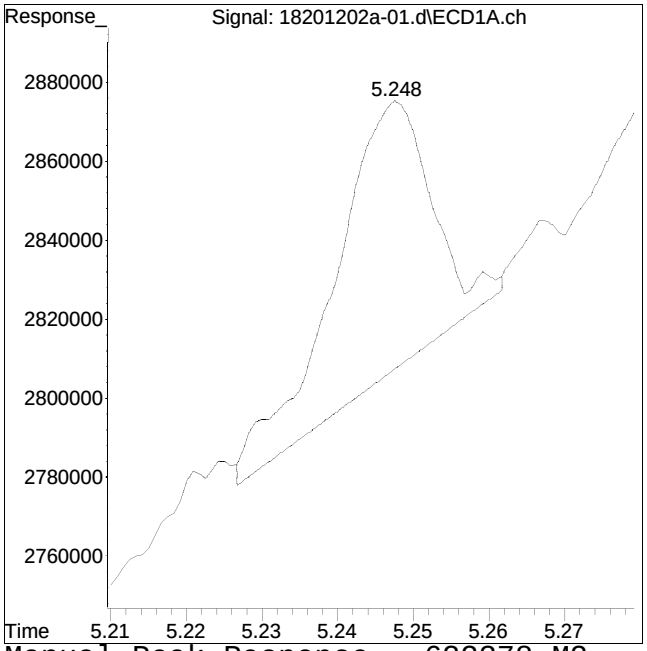
Manual Integration Report

Data Path : I:\Pest18\201202a\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201202a-01.d Operator : PEST18:bm
Date Inj'd : 12/2/2020 8:07 am Instrument : Pest 18
Sample : pem18201202a01,42ee,,deg 1Quant Date : 12/2/2020 8:58 am

Compound #26: Endrin Ketone



Original Peak Response = 0



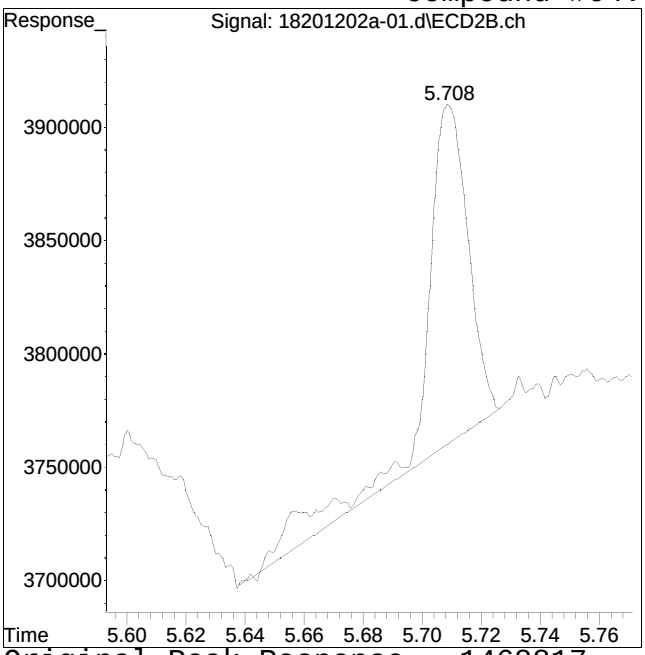
Manual Peak Response = 622378 M2

M2 = Peak not found by automatic integration algorithm.

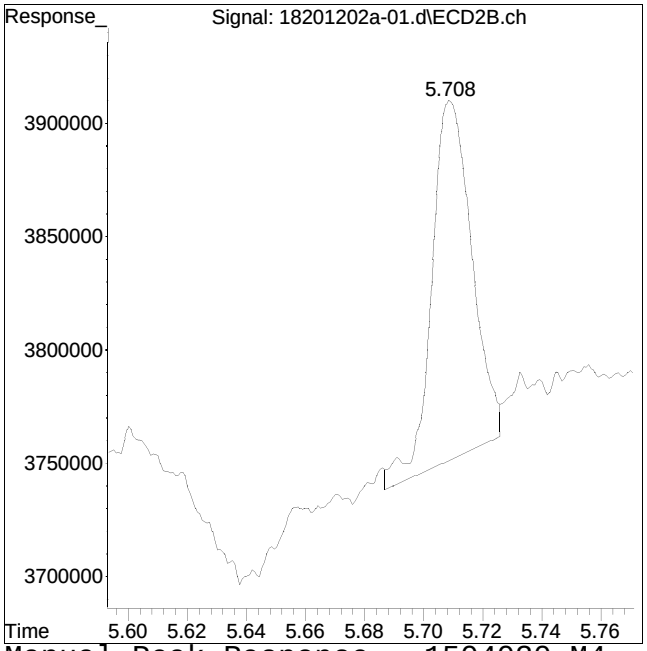
Manual Integration Report

Data Path : I:\Pest18\201202a\ QMethod : pest18_10_17_20_ugL_ICAL
Data File : 18201202a-01.d Operator : PEST18:bm
Date Inj'd : 12/2/2020 8:07 am Instrument : Pest 18
Sample : pem18201202a01,42ee,,deg 1Quant Date : 12/2/2020 8:58 am

Compound #64: Endrin Ketone #2



Original Peak Response = 1468817



Manual Peak Response = 1504030 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest11\201203a\
Data File : 11201203a-01.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Dec 2020 5:24 am
Operator : PEST11:sc
Sample : pem11201203a01,42ee,,deg 10100 (Sig #1); deg 10100 (Sig #2)
Misc : wg1440679,ical17340
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 08:22:55 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : DEG - DDT/Endrin degradation check

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
	Internal Standards							
1) i	1-br-2-nb_Pe	1.208	1.311	53589657	66341325	25.000M3	25.000	
	System Monitoring Compounds							
	Target Compounds							
15) t	4,4'-DDE	3.474	4.380	788439	387217	N.D. M3	0.139M3	
18) t	Endrin	4.018	4.841	149.0E6	136.0E6	53.342	47.331M3	
19) t	4,4'-DDD	4.142	4.976	680913	991986	0.314	0.455M3	
21) t	4,4'-DDT	4.449	5.257	257.1E6	221.4E6	101.357M3	91.600	
22) t	Endrin Aldeh	4.712	5.351	445258	1647075	0.197	0.771	D
26) t	Endrin Keton	5.348	6.000	756184	715293	0.254	0.281	
	Sum chlordane-1			0	0	N.D.	N.D.	
Average	chlordane-1					0.000	0.000	
	Sum toxaphene-2			0	0	N.D.	N.D.	
Average	toxaphene-2					0.000	0.000	
	SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum toxaphene-2			0	0	N.D.	N.D.	
Average	toxaphene-2					0.000	0.000	

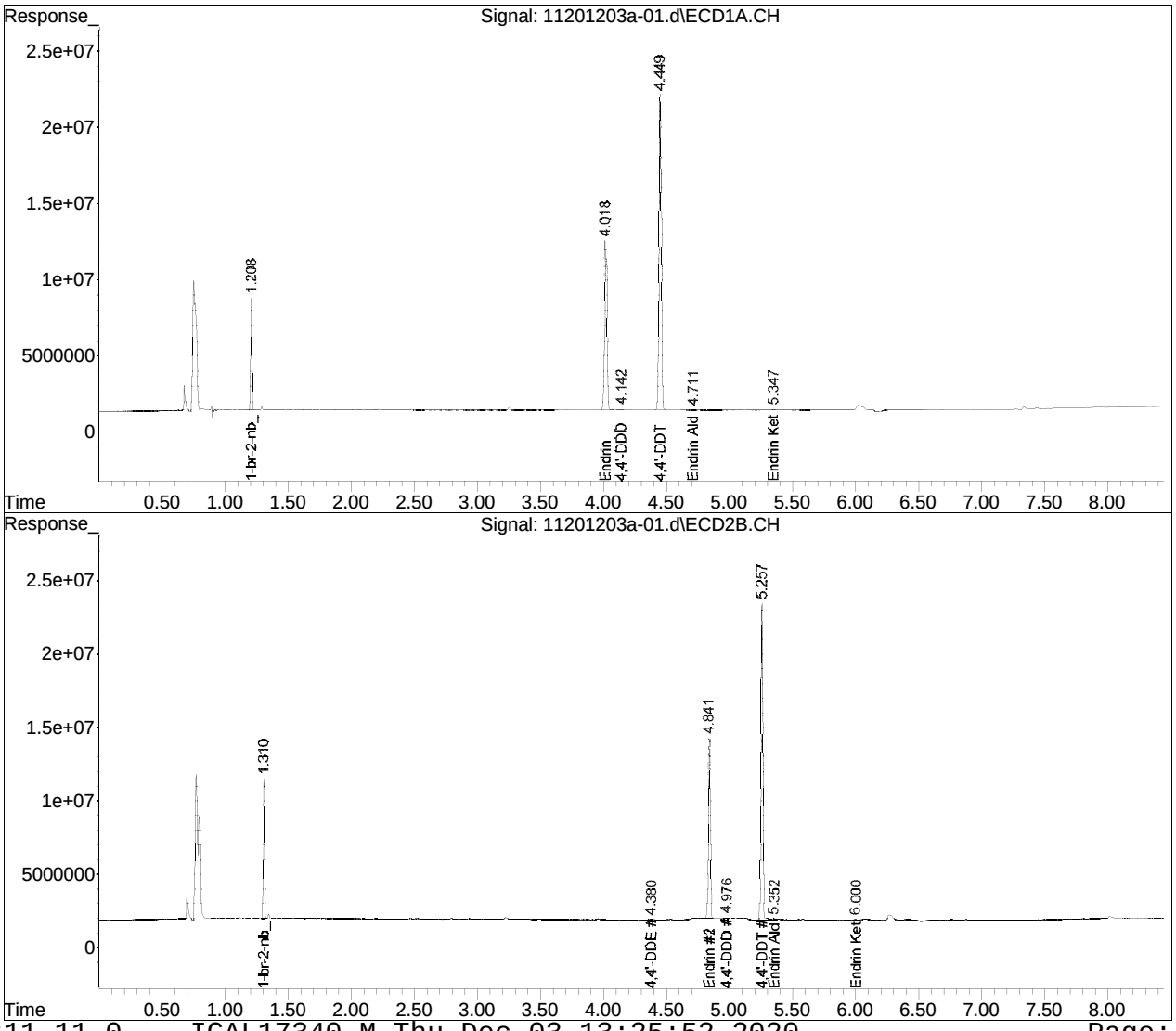
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : DEG - DDT/Endrin degradation checkiewed)

Data Path : I:\Pest11\201203a\
Data File : 11201203a-01.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Dec 2020 5:24 am
Operator : PEST11:sc
Sample : pem11201203a01,42ee,,deg 10100 (Sig #1); deg 10100 (Sig #2)
Misc : wg1440679,ical17340
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 03 08:22:55 2020
Quant Method : I:\Pest11\201203a\pest11_11_05_20_ugL_ICAL17340.M
Quant Title : pest
QLast Update : Tue Dec 01 12:12:37 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

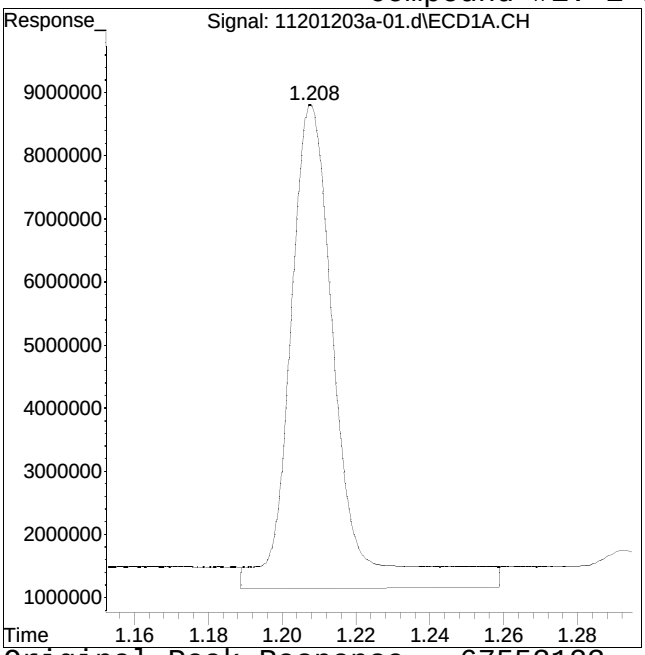
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

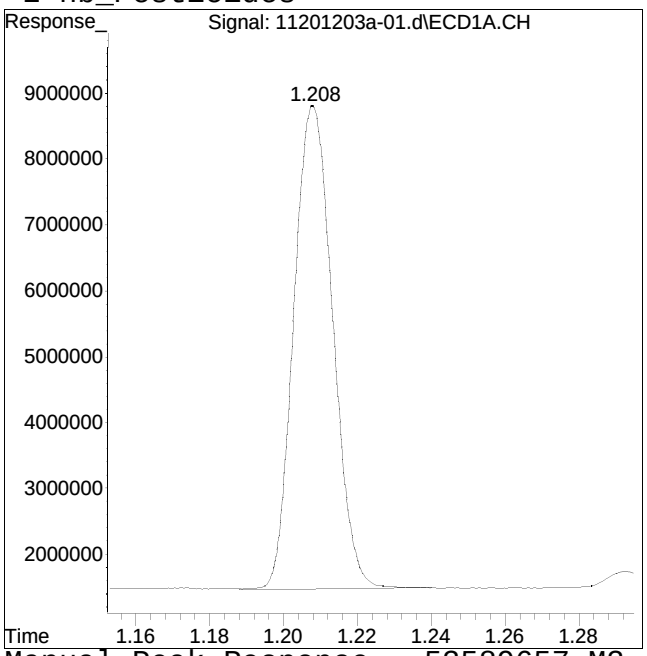


Manual Integration Report

Data Path : I:\Pest11\201203a\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201203a-01.d Operator : PEST11:sc
Date Inj'd : 12/3/2020 5:24 am Instrument : Pest 11
Sample : pem11201203a01,42ee,,deg 1Quant Date : 12/3/2020 8:21 am

Compound #1: 1-br-2-nb_Pesticides



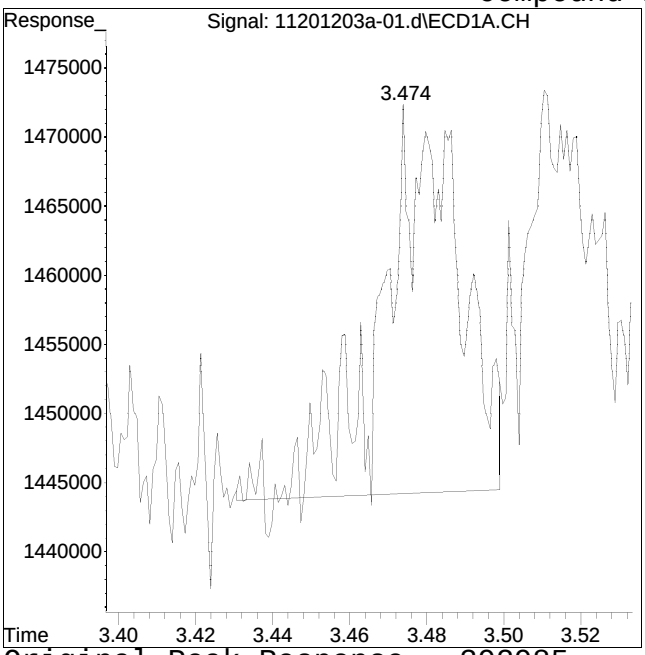


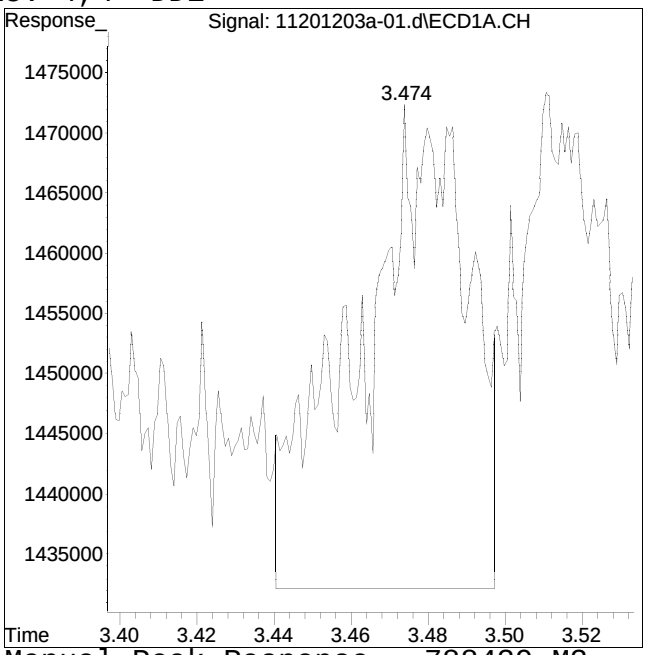
Original Peak Response = 67553123 Manual Peak Response = 53589657 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest11\201203a\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201203a-01.d Operator : PEST11:sc
Date Inj'd : 12/3/2020 5:24 am Instrument : Pest 11
Sample : pem11201203a01,42ee,,deg 1Quant Date : 12/3/2020 8:21 am

Compound #15: 4,4'-DDE



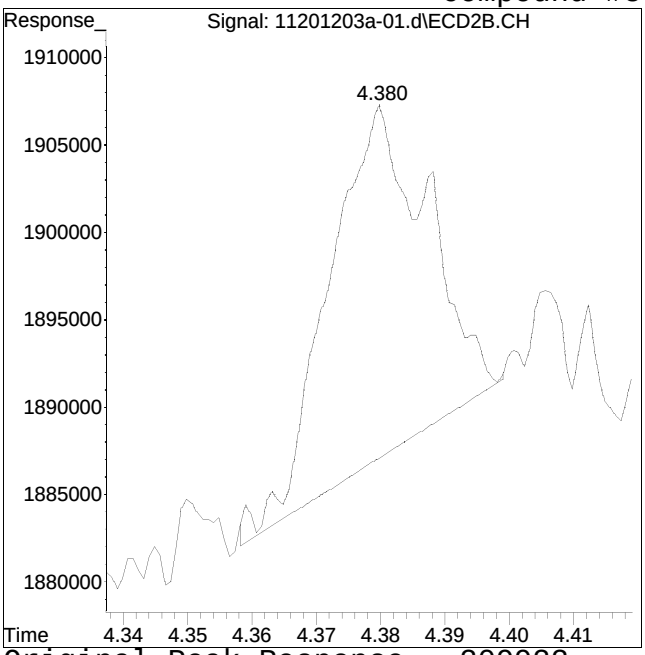


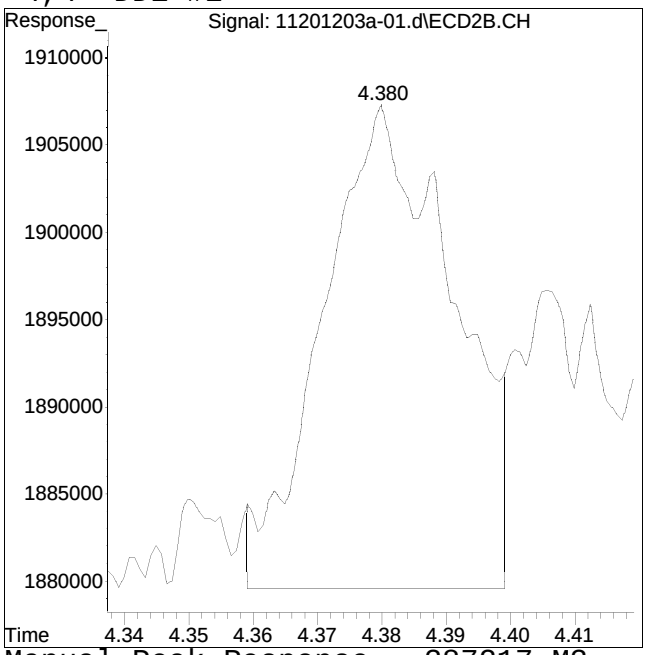
Original Peak Response = 392985 Manual Peak Response = 788439 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest11\201203a\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201203a-01.d Operator : PEST11:sc
Date Inj'd : 12/3/2020 5:24 am Instrument : Pest 11
Sample : pem11201203a01,42ee,,deg 1Quant Date : 12/3/2020 8:21 am

Compound #53: 4,4'-DDE #2



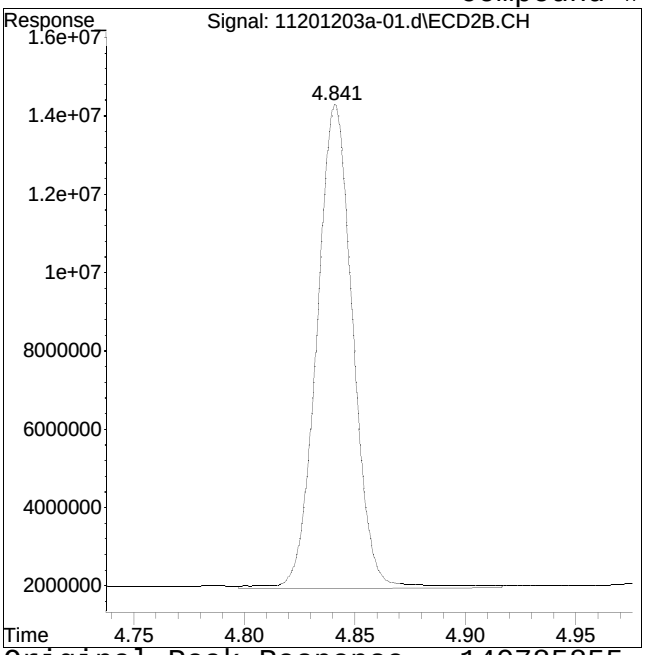


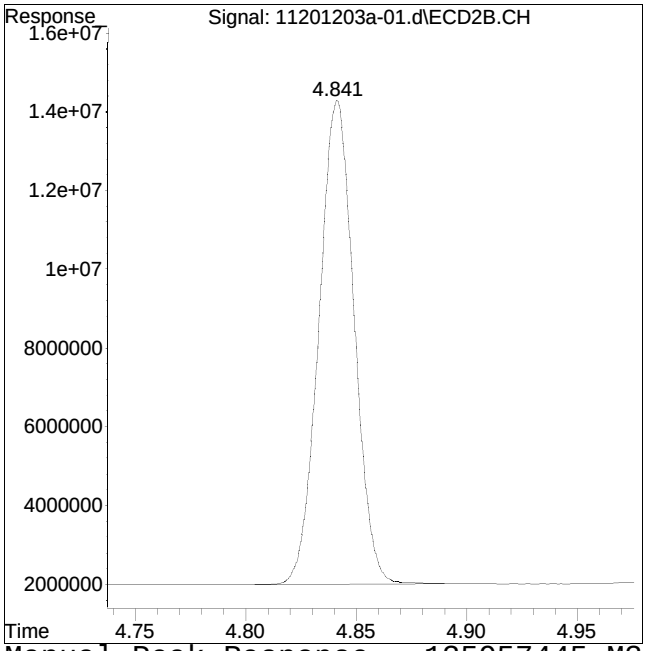
Original Peak Response = 209922 Manual Peak Response = 387217 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest11\201203a\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201203a-01.d Operator : PEST11:sc
Date Inj'd : 12/3/2020 5:24 am Instrument : Pest 11
Sample : pem11201203a01,42ee,,deg 1Quant Date : 12/3/2020 8:21 am

Compound #56: Endrin #2



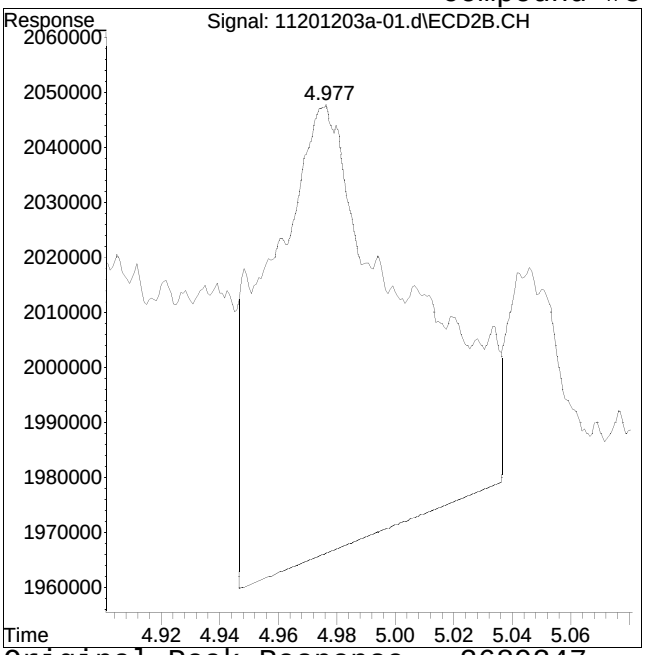


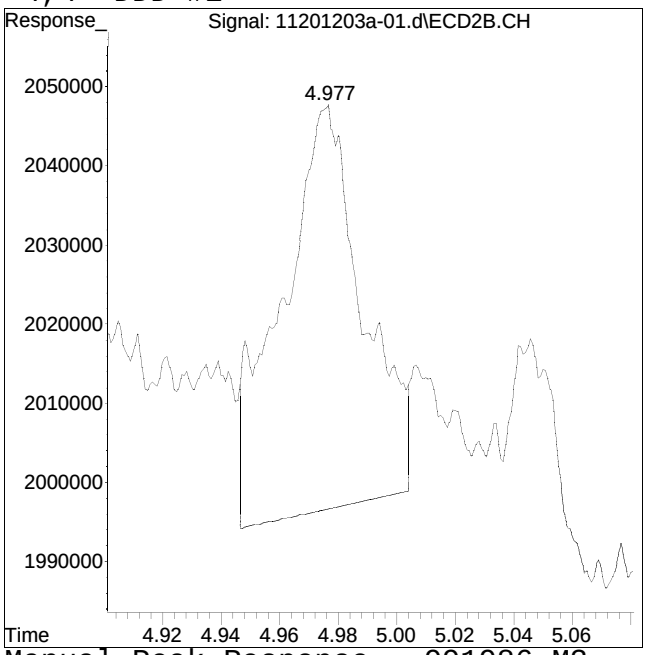
Original Peak Response = 140785855 Manual Peak Response = 135957445 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest11\201203a\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201203a-01.d Operator : PEST11:sc
Date Inj'd : 12/3/2020 5:24 am Instrument : Pest 11
Sample : pem11201203a01,42ee,,deg 1Quant Date : 12/3/2020 8:21 am

Compound #57: 4,4'-DDD #2



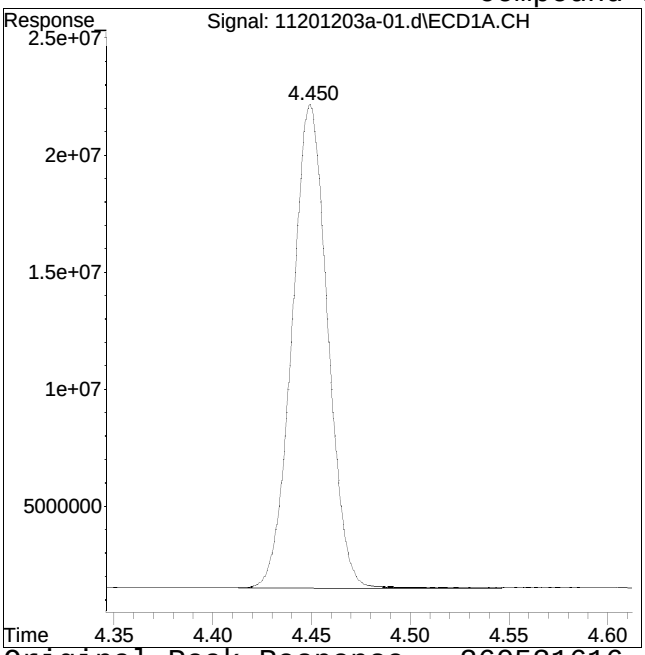


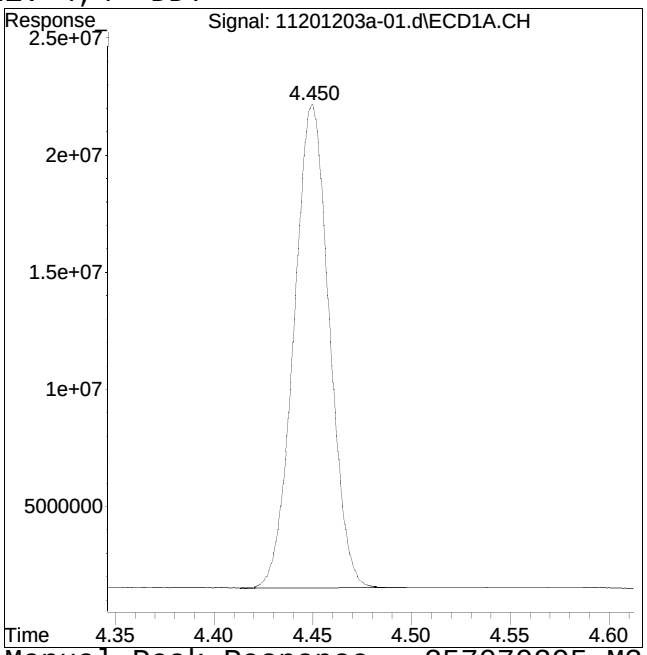
Original Peak Response = 2689247 Manual Peak Response = 991986 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\Pest11\201203a\ QMethod : pest11_11_05_20_ugL_ICAL
Data File : 11201203a-01.d Operator : PEST11:sc
Date Inj'd : 12/3/2020 5:24 am Instrument : Pest 11
Sample : pem11201203a01,42ee,,deg 1Quant Date : 12/3/2020 8:21 am

Compound #21: 4,4'-DDT





Original Peak Response = 260531616 Manual Peak Response = 257070295 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

RT Shift Summary

Identification Summary
Form 10
Pesticides

Client	**: Langan Engineering & Environmental**	**Lab Number**	**: L2051957**
Project Name	**: 266-270 W. 96TH STREET**	**Project Number**	**: 170432001**

No Detections Found

Pesticides Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201202a\
Data File : 18201202a-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 9:25 am
Operator : PEST18:bm
Sample : WG1440014-1,42,,
Misc : wg1440148,wg1440014,ical17270
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:27:16 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Tue Dec 01 19:11:00 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest18\201202a\18201202a-05.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.192	1.315	112.3E6	124.0E6	25.000	25.000
	Standard Area 1 : #1 = 88712753				Recovery = 126.62%		
	Standard Area 1 : #2 = 105250502				Recovery = 117.79%		
28) i	1-br-2-nb_Ch	1.192	1.315	112.3E6	124.0E6	25.000	25.000
33) i	1-br-2-nb_To	1.192	1.315	112.3E6	124.0E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.513	1.778	218.1E6	254.4E6	38.223	44.398
	Spiked Amount 50.000	Range 30 - 150			Recovery = 76.45%		88.80%
27) s	Decachlorobi	5.812	6.412	241.4E6	257.8E6	54.519	41.457
	Spiked Amount 50.000	Range 30 - 150			Recovery = 109.04%		82.91%
Target Compounds							
4)	alpha-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	gamma-BHC (l	0.000	0.000	0	0	N.D. d	N.D. d
6)	beta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	delta-BHC	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
9)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
12)	Heptachlor E	0.000	0.000	0	0	N.D. d	N.D. d
13)	gamma-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
14)	alpha-Chlord	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
17)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
19)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
20)	Endosulfan I	0.000	0.000	0	0	N.D. d	N.D. d
21)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
22)	Endrin Aldeh	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201202a\
Data File : 18201202a-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 9:25 am
Operator : PEST18:bm
Sample : WG1440014-1,42,,
Misc : wg1440148,wg1440014,ical17270
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:27:16 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Tue Dec 01 19:11:00 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest18\201202a\18201202a-05.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
23)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
25)	Endosulfan S	0.000	0.000	0	0	N.D. d	N.D. d
26)	Endrin Keton	0.000	0.000	0	0	N.D. d	N.D. d
29) l1	chlordane-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l1	chlordane-3	0.000	0.000	0	0	N.D. d	N.D. d
31) l1	chlordane-4	0.000	0.000	0	0	N.D. d	N.D. d
32) l1	chlordane-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum chlordane-1			0	0	N.D.	N.D.
	Average chlordane-1					0.000	0.000
34) l2	toxaphene-1	0.000	0.000	0	0	N.D. d	N.D. d
35) l2	toxaphene-2	0.000	0.000	0	0	N.D. d	N.D. d
36) l2	toxaphene-3	0.000	0.000	0	0	N.D. d	N.D. d
37) l2	toxaphene-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
	Sum toxaphene-1			0	0	N.D.	N.D.
	Average toxaphene-1					0.000	0.000

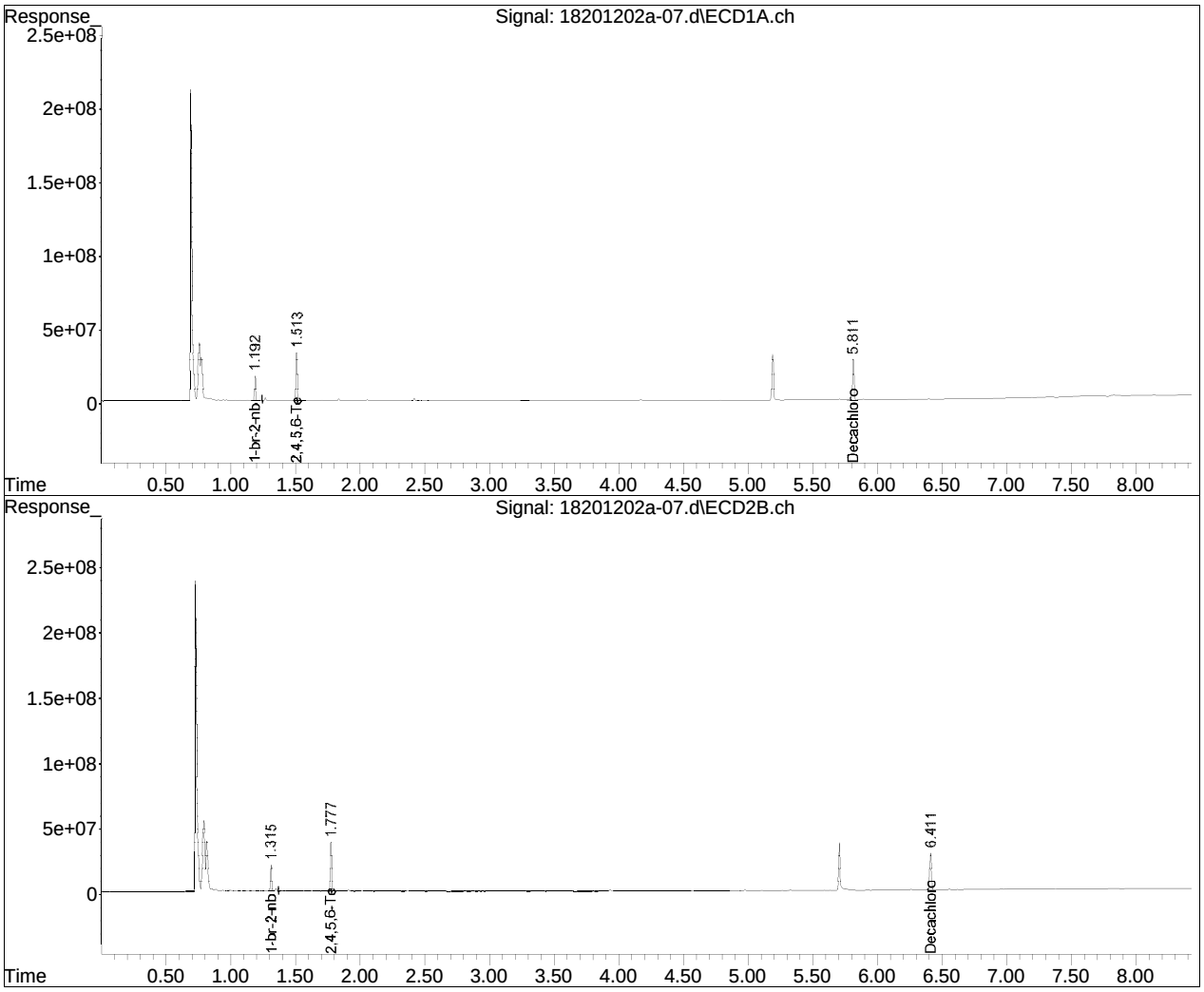
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda-05.d••d)

Data Path : I:\Pest18\201202a\
Data File : 18201202a-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 9:25 am
Operator : PEST18:bm
Sample : WG1440014-1,42,,
Misc : wg1440148,wg1440014,ical17270
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:27:16 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Tue Dec 01 19:11:00 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\Pest18\201202a\	QMethod	: pest18_10_17_20_ugL_ICAL
Data File	: 18201202a-07.d	Operator	: PEST18:bm
Date Inj'd	: 12/2/2020 9:25 am	Instrument	: Pest 18
Sample	: WG1440014-1,42,,	Quant Date	: 12/2/2020 10:26 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201202a\
Data File : 18201202a-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 9:36 am
Operator : PEST18:bm
Sample : WG1440014-2,42,,
Misc : wg1440148,wg1440014,ical17270
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:31:46 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest18\201202a\18201202a-05.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.192	1.315	107.8E6	122.7E6	25.000	25.000
	Standard Area 1 : #1 = 88712753				Recovery = 121.52%		
	Standard Area 1 : #2 = 105250502				Recovery = 116.59%		
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.512	1.778	229.3E6	265.9E6	41.858	46.881
	Spiked Amount 50.000	Range 30 - 150		Recovery = 83.72%		93.76%	
27) s	Decachlorobi	5.810	6.410	273.6E6	291.7E6	65.095	47.383
	Spiked Amount 50.000	Range 30 - 150		Recovery = 130.19%		94.77%	
Target Compounds							
4)	alpha-BHC	1.803	2.182	284.9E6	344.6E6	39.916	46.990
5)	gamma-BHC (l	1.992	2.459	262.5E6	322.5E6	38.025	46.421
6)	beta-BHC	2.046	2.523	134.5E6	155.3E6	42.455M3	46.072
7)	delta-BHC	2.166	2.783	269.1E6	306.5E6	42.055	47.260
8)	Heptachlor	2.316	2.845	281.4E6	330.7E6	48.937	45.402
9)	Aldrin	2.543	3.155	262.3E6	311.7E6	41.628	49.805
12)	Heptachlor E	3.059	3.759	256.4E6	297.6E6	41.596	48.044
13)	gamma-Chlord	3.177	3.974	267.4E6	308.0E6	41.653	46.762
14)	alpha-Chlord	3.305	4.147	246.5E6	300.5E6	39.362	46.805
15)	4,4'-DDE	3.402	4.358	262.1E6	307.7E6	44.633	52.192
16)	Endosulfan I	3.434	4.209	242.5E6	283.5E6	40.992	48.320
17)	Dieldrin	3.683	4.513	274.5E6	320.9E6	43.623	52.534
18)	Endrin	3.928	4.820	273.6E6	315.9E6	47.848	60.316
19)	4,4'-DDD	4.050	4.954	227.4E6	266.5E6	48.429	59.283
20)	Endosulfan I	4.182	5.026	245.0E6	272.4E6	43.973	48.312
21)	4,4'-DDT	4.367	5.215	244.9E6	296.1E6	45.211	50.968
22)	Endrin Aldeh	4.632	5.282	170.6E6	203.0E6	38.585M3	42.366
23)	Methoxychlor	4.894	5.600	133.9E6	163.7E6	48.551	48.969
25)	Endosulfan S	5.046	5.434	197.3E6	236.9E6	35.320	40.062

Data Path : I:\Pest18\201202a\
Data File : 18201202a-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 9:36 am
Operator : PEST18:bm
Sample : WG1440014-2,42,,
Misc : wg1440148,wg1440014,ical17270
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:31:46 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest18\201202a\18201202a-05.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
26) Endrin Keton	5.245	5.709	245.7E6	639.4E6	39.090	90.533	D
Sum chlordane-1			0	0	N.D.	N.D.	
Average chlordane-1					0.000	0.000	
Sum toxaphene-1			0	0	N.D.	N.D.	
Average toxaphene-1					0.000	0.000	
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum toxaphene-1			0	0	N.D.	N.D.	
Average toxaphene-1					0.000	0.000	

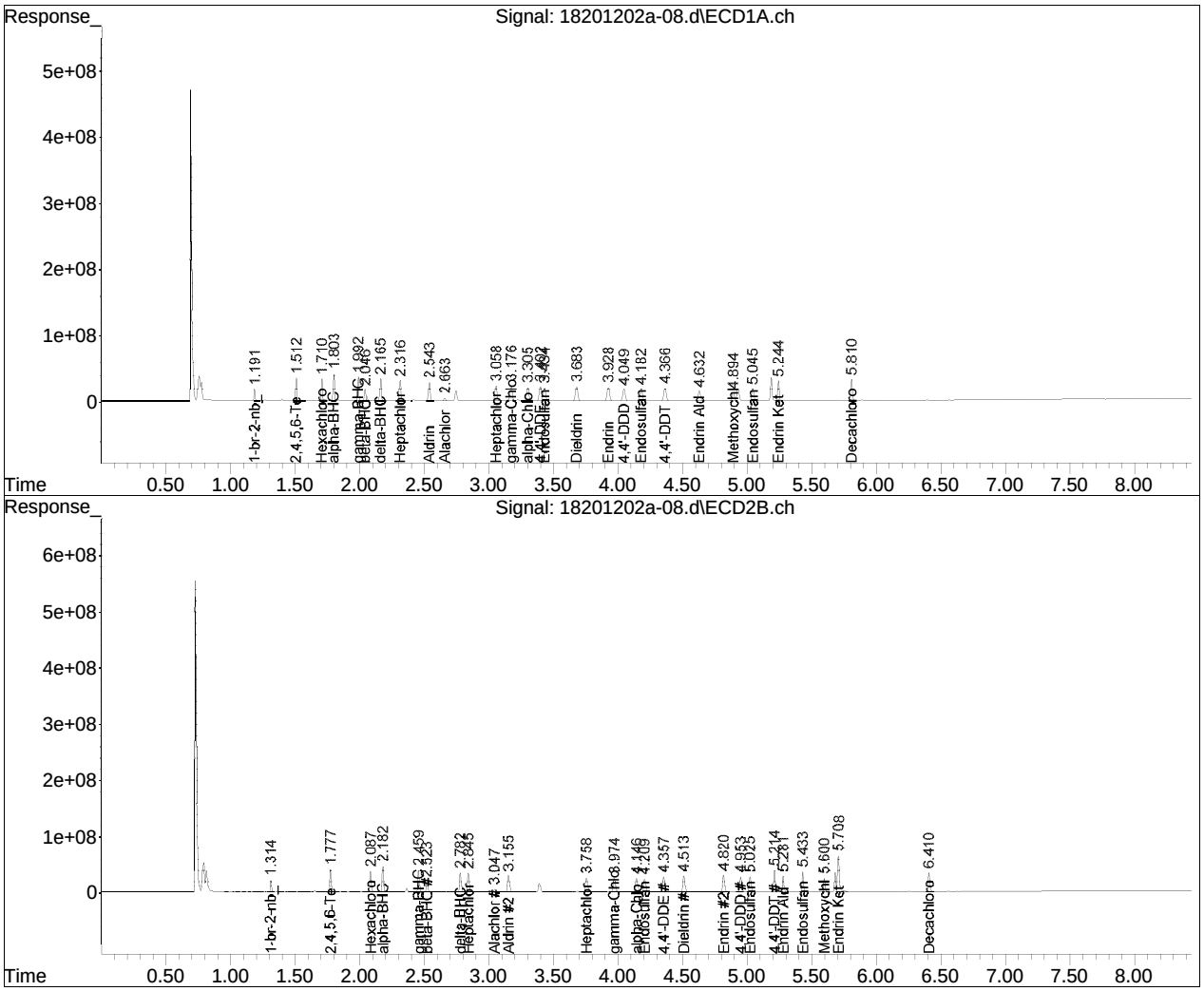
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only202a\18201202a-05.d••d)

Data Path : I:\Pest18\201202a\
Data File : 18201202a-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 9:36 am
Operator : PEST18:bm
Sample : WG1440014-2,42,,
Misc : wg1440148,wg1440014,ical17270
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:31:46 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:03 2020
Response via : Initial Calibration
Integrator: ChemStation

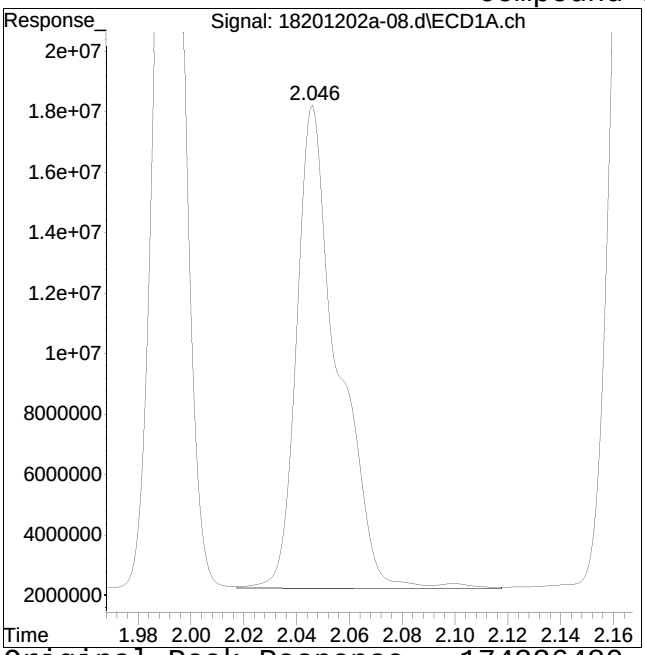
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

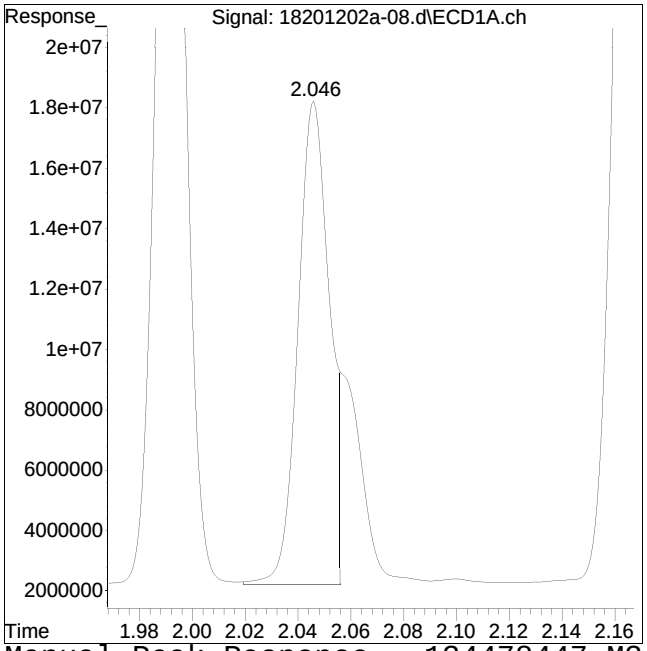


Manual Integration Report

Data Path	: I:\Pest18\201202a\	QMethod	: pest18_10_17_20_ugL_ICAL
Data File	: 18201202a-08.d	Operator	: PEST18:bm
Date Inj'd	: 12/2/2020 9:36 am	Instrument	: Pest 18
Sample	: WG1440014-2,42,,	Quant Date	: 12/2/2020 10:31 am

Compound #6: beta-BHC





Original Peak Response = 174326480 Manual Peak Response = 134478447 M3

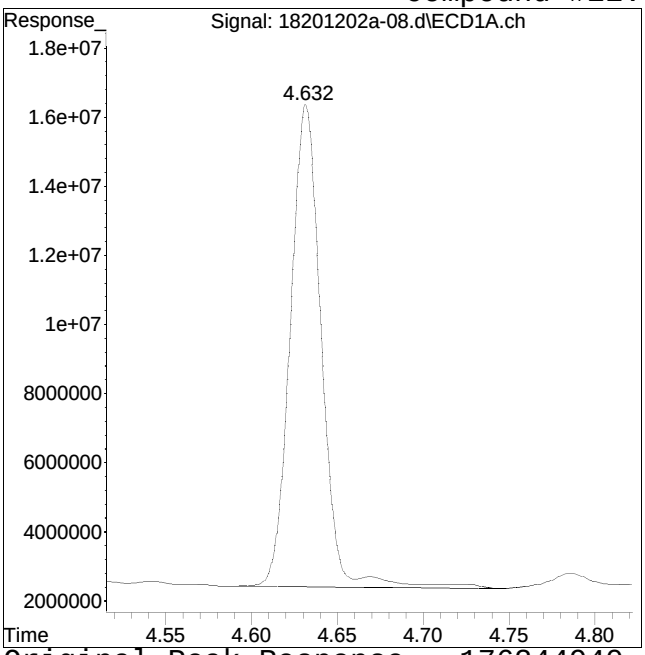
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

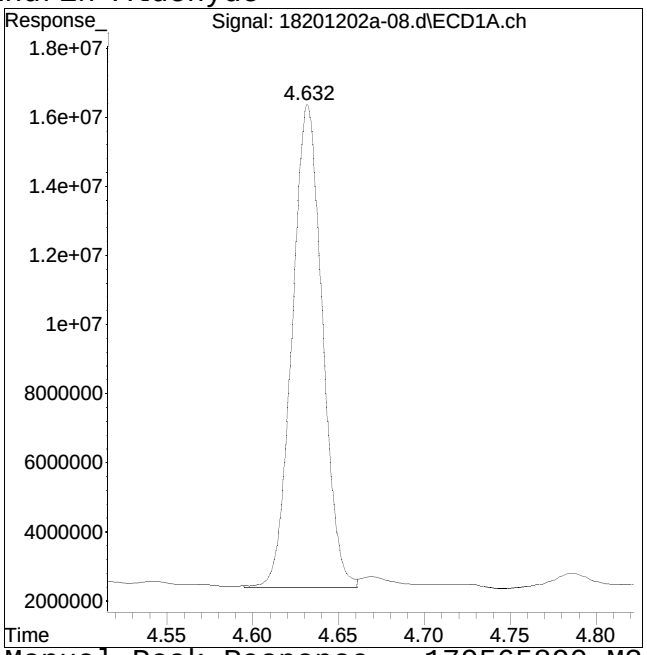
Manual Integration Report

Data Path : I:\Pest18\201202a\
Data File : 18201202a-08.d
Date Inj'd : 12/2/2020 9:36 am
Sample : WG1440014-2,42,,

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:bm
Instrument : Pest 18
Quant Date : 12/2/2020 10:31 am

Compound #22: Endrin Aldehyde





Original Peak Response = 176244940 Manual Peak Response = 170565890 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201202a\
Data File : 18201202a-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 9:46 am
Operator : PEST18:bm
Sample : WG1440014-3,42,,
Misc : wg1440148,wg1440014,ical17270
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:33:35 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest18\201202a\18201202a-05.d
Sub List : LCS_MS - spk only

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1-br-2-nb_Pe	1.192	1.316	114.8E6	122.7E6	25.000	25.000
	Standard Area 1 : #1 = 88712753				Recovery = 129.41%		
	Standard Area 1 : #2 = 105250502				Recovery = 116.55%		
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.513	1.778	243.7E6	281.0E6	41.777	49.561
	Spiked Amount 50.000	Range 30 - 150		Recovery = 83.55%		99.12%	
27) s	Decachlorobi	5.809	6.409	255.3E6	273.5E6	56.538	44.445
	Spiked Amount 50.000	Range 30 - 150		Recovery = 113.08%		88.89%	
Target Compounds							
4)	alpha-BHC	1.803	2.182	297.3E6	363.1E6	39.112	49.526
5)	gamma-BHC (l	1.992	2.459	275.5E6	338.5E6	37.487	48.734
6)	beta-BHC	2.046	2.523	134.7E6	164.2E6	39.944	48.708
7)	delta-BHC	2.165	2.782	284.7E6	317.1E6	41.781	48.919
8)	Heptachlor	2.315	2.845	294.3E6	335.2E6	48.039M3	46.038
9)	Aldrin	2.542	3.155	262.1E6	300.5E6	39.052	48.026
12)	Heptachlor E	3.058	3.758	250.3E6	285.2E6	38.140	46.061M4
13)	gamma-Chlord	3.175	3.974	257.3E6	299.4E6	37.635M4	45.487
14)	alpha-Chlord	3.304	4.146	239.8E6	292.0E6	35.961	45.491
15)	4,4'-DDE	3.401	4.357	253.0E6	297.2E6	40.451	50.443
16)	Endosulfan I	3.433	4.209	236.2E6	276.8E6	37.503	47.197
17)	Dieldrin	3.682	4.512	269.1E6	312.6E6	40.148	51.197
18)	Endrin	3.927	4.820	268.1E6	307.6E6	44.026	58.745
19)	4,4'-DDD	4.048	4.953	218.0E6	262.8E6	43.601	58.494
20)	Endosulfan I	4.181	5.025	238.6E6	265.4E6	40.213	47.100
21)	4,4'-DDT	4.365	5.214	237.4E6	282.2E6	41.143	48.602
22)	Endrin Aldeh	4.630	5.281	163.4E6	194.2E6	34.704M4	40.557
23)	Methoxychlor	4.892	5.600	126.2E6	154.0E6	42.986	46.087
25)	Endosulfan S	5.045	5.433	193.5E6	227.1E6	32.525	38.420

Quantitation Report (QT Reviewed)

Data Path : I:\Pest18\201202a\
Data File : 18201202a-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 9:46 am
Operator : PEST18:bm
Sample : WG1440014-3,42,,
Misc : wg1440148,wg1440014,ical17270
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:33:35 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\Pest18\201202a\18201202a-05.d
Sub List : LCS_MS - spk only

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l	
26) Endrin Ketone	5.243	5.708	239.8E6	571.3E6	35.819	80.919	D
Sum chlordane-1			0	0	N.D.	N.D.	
Average chlordane-1					0.000	0.000	
Sum toxaphene-1			0	0	N.D.	N.D.	
Average toxaphene-1					0.000	0.000	
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum toxaphene-1			0	0	N.D.	N.D.	
Average toxaphene-1					0.000	0.000	

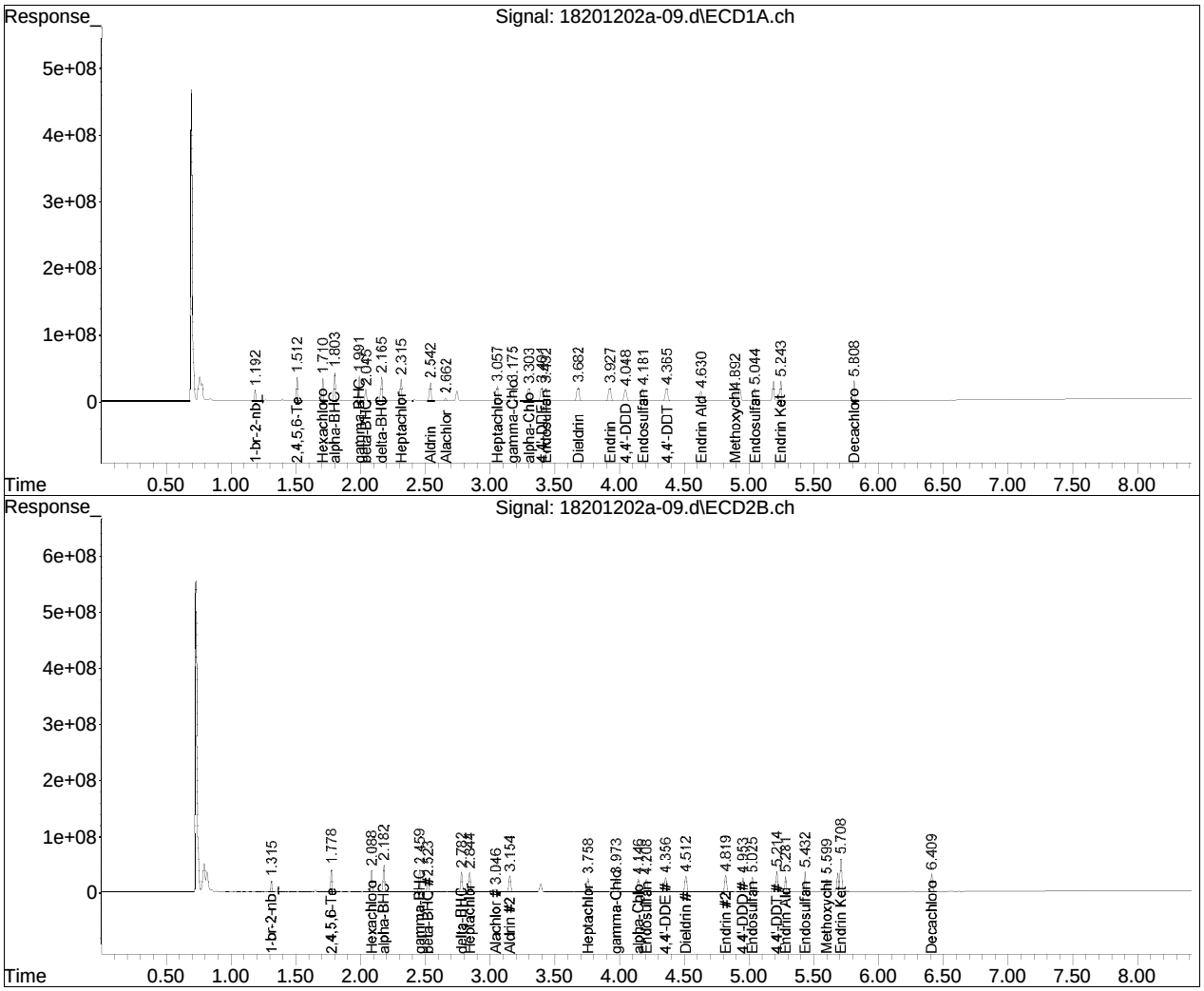
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : LCS_MS - spk only202a\18201202a-05.d••d)

Data Path : I:\Pest18\201202a\
Data File : 18201202a-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Dec 2020 9:46 am
Operator : PEST18:bm
Sample : WG1440014-3,42,,
Misc : wg1440148,wg1440014,ical17270
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Dec 02 10:33:35 2020
Quant Method : I:\Pest18\201202a\pest18_10_17_20_ugL_ICAL17270.m
Quant Title : pest
QLast Update : Wed Dec 02 10:28:03 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

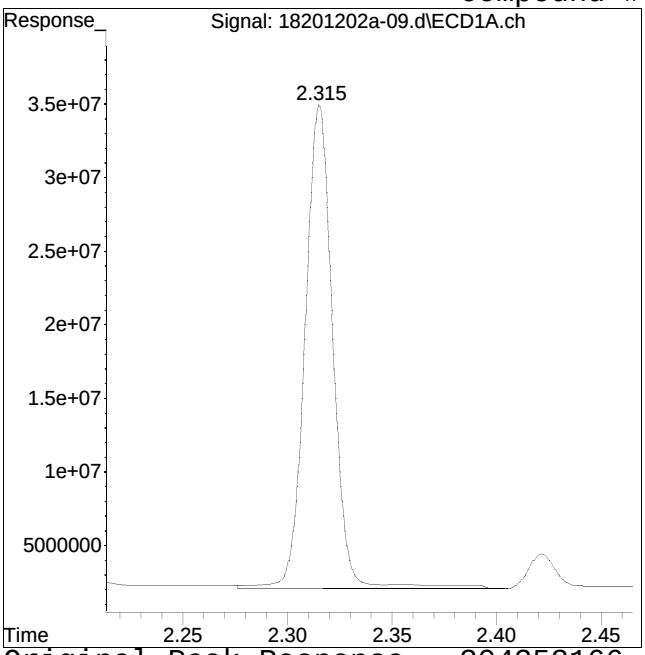


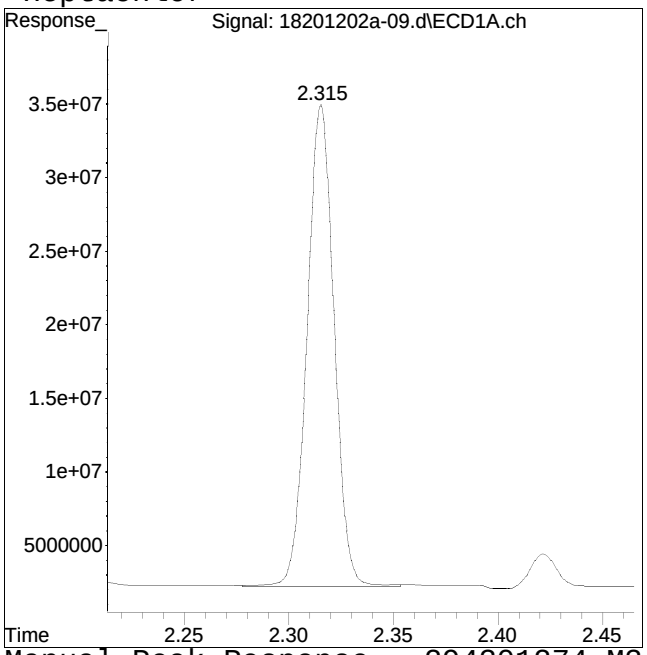
Manual Integration Report

Data Path : I:\Pest18\201202a\
Data File : 18201202a-09.d
Date Inj'd : 12/2/2020 9:46 am
Sample : WG1440014-3,42,,

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:bm
Instrument : Pest 18
Quant Date : 12/2/2020 10:32 am

Compound #8: Heptachlor





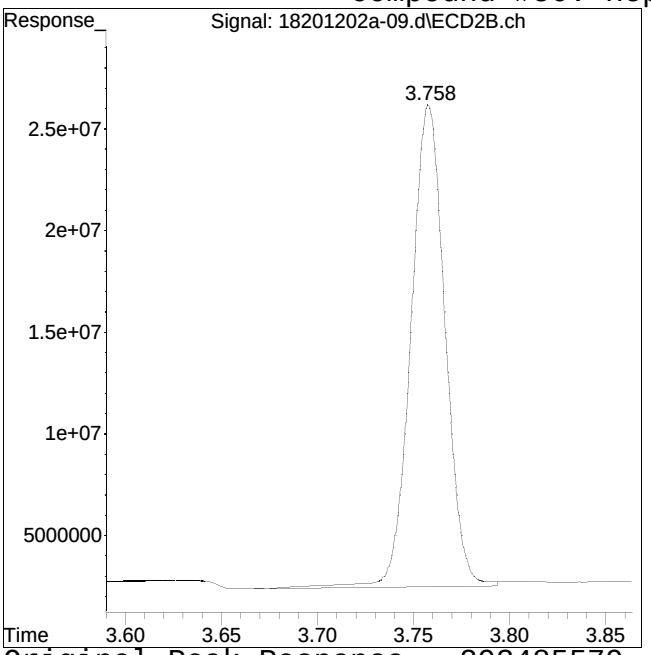
Original Peak Response = 304352166 Manual Peak Response = 294301274 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

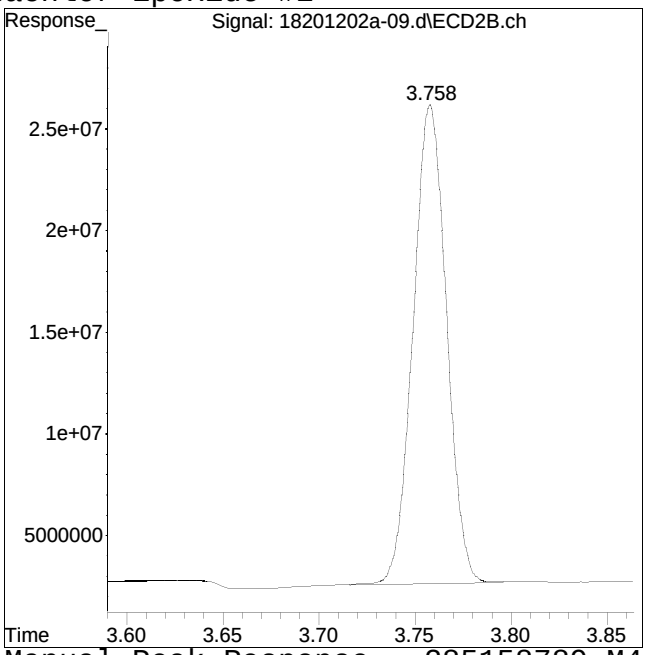
Manual Integration Report

Data Path : I:\Pest18\201202a\
Data File : 18201202a-09.d
Date Inj'd : 12/2/2020 9:46 am
Sample : WG1440014-3,42,,

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:bm
Instrument : Pest 18
Quant Date : 12/2/2020 10:32 am

Compound #50: Heptachlor Epoxide #2





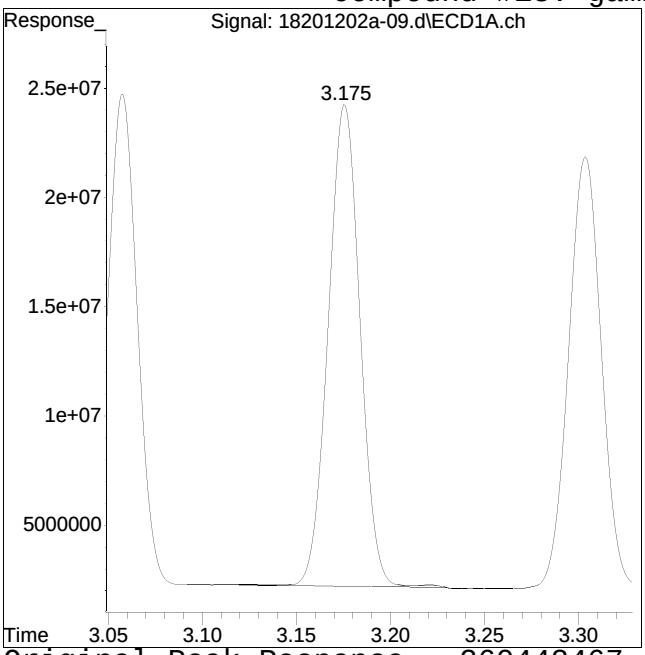
Original Peak Response = 293485579 Manual Peak Response = 285158789 M4
M4 = Poor automated baseline construction.

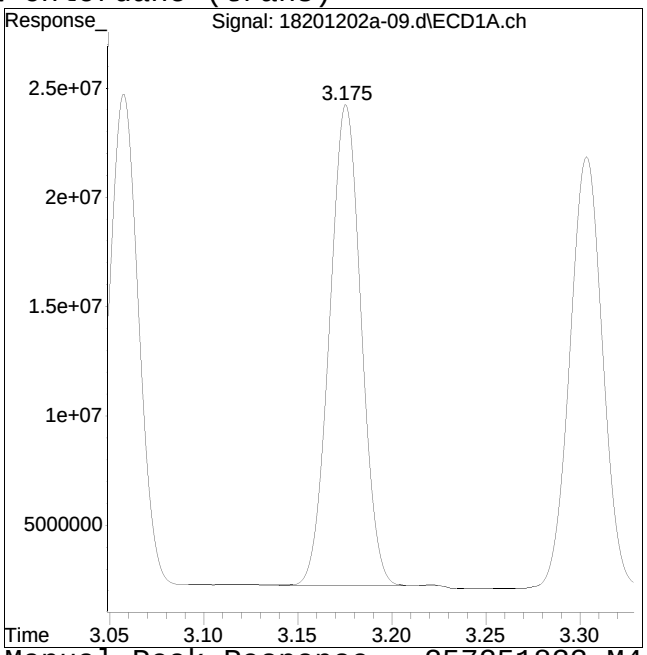
Manual Integration Report

Data Path : I:\Pest18\201202a\
Data File : 18201202a-09.d
Date Inj'd : 12/2/2020 9:46 am
Sample : WG1440014-3,42,,

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:bm
Instrument : Pest 18
Quant Date : 12/2/2020 10:32 am

Compound #13: gamma-Chlordane (trans)





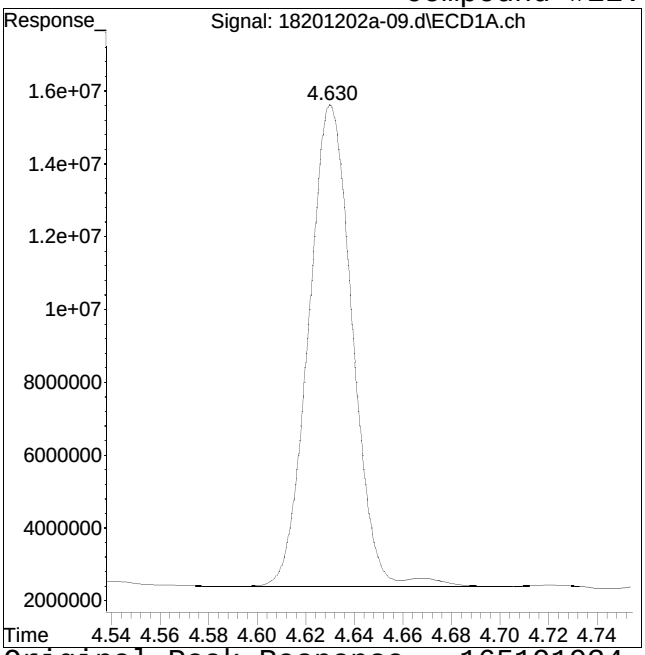
Original Peak Response = 260442467 Manual Peak Response = 257251833 M4
M4 = Poor automated baseline construction.

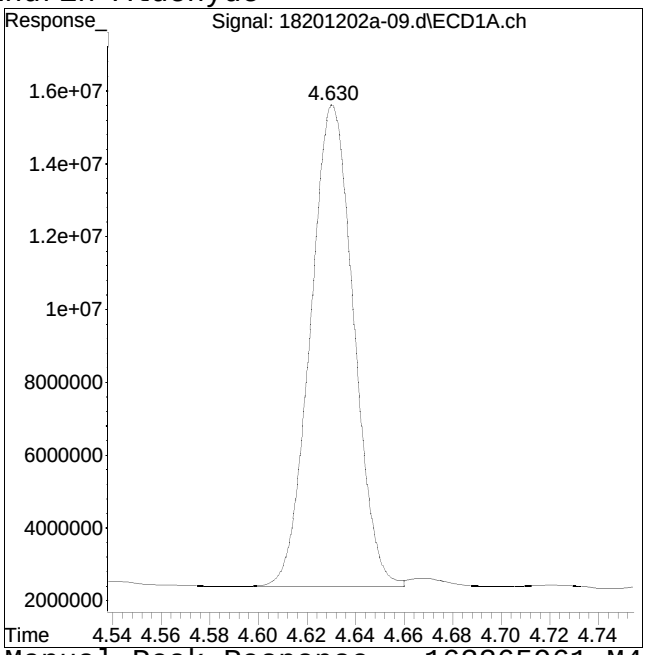
Manual Integration Report

Data Path : I:\Pest18\201202a\
Data File : 18201202a-09.d
Date Inj'd : 12/2/2020 9:46 am
Sample : WG1440014-3,42,,

QMethod : pest18_10_17_20_ugL_ICAL
Operator : PEST18:bm
Instrument : Pest 18
Quant Date : 12/2/2020 10:32 am

Compound #22: Endrin Aldehyde





Original Peak Response = 165191934 Manual Peak Response = 163365961 M4
M4 = Poor automated baseline construction.

Calculation of PCB Aroclors & Pesticides

Aqueous Concentration Formula:
Amt * DF*(Vt/Vp)*(1000/Vo)*(Ve/1000)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Vo = Volume of Sample (mL)
Ve = Extraction Lab Final Volume (mL)

Soil Concentration Formula:
Amt * DF * (Vt/Vp)*(1000/Wt)*(Ve/1000)* (100/TS)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Wt = Weight of Sample (g)
Ve = Extraction Lab Final Volume (mL)
TS = Total Solids

Dep.: PEST
Inst: Pest_18
Date: **10/19/20**
Run: **a**

Method

Seq: ical

Vial	Data File	Sample	CCAL	notes	initials
1	18201017i-01	instrument blk			
2	18201017i-02	deg 10100			
3	18201017i-03	il1pest,42e,,pp10032			
4	18201017i-04	il2pest,42e,,pp10031			
5	18201017i-05	il3pest,42e,,pp10030			
6	18201017i-06	il4pest,42e,,pp10029			
7	18201017i-07	il5pest,42e,,pp10028			
8	18201017i-08	il6pest,42e,,pp10027			
9	18201017i-09	il7pest,42e,,pp10026			
10	18201017i-10	ii8pest,42e,,pp10025			
11	18201017i-11	il9pest,42e,,pp10024			
12	18201017i-12	il10pest,42e,,pp10023			
13	18201017i-13	cicvpest,42e,,pp10099			
14	18201017i-14	il1chlor,42e,,pp10164			
15	18201017i-15	il2chlor,42,, pp10163			
16	18201017i-16	il7chlor,42e,,pp10110			
17	18201017i-17	cicvchlor,42e,,pp10129			
18	18201017i-18	il2tox,42e,,100x			
19	18201017i-19	il7tox,42e,,pp10038			
20	18201017i-20	il8tox,42e,,pp10039			
21	18201017i-21	cicvtox,42e,,pp10098			
22	18201017i-22	instrument blk			
23	18201017i-23	deg 10100			
24	18201017i-24	cicvpest,42e,,pp10162			
25	18201017i-25	cicvchlor,42e,,pp10129			

201105ICAL **2020** Pest_11

Dep.: PEST

Inst: Pest_11

Date: **11/05/20**

Run: **ICAL**

Method

GC: PEST

Seq: ICAL 417340

WG#1432978

Vial	Data File	Sample	CCAL	notes	initials
1	11201105i-01	IB			
2	11201105i-02	deg pp 10100			KB
3	11201105i-03	il1pest,42e,, pp10032			
4	11201105i-04	il2pest,42e,, pp10031			
5	11201105i-05	il3pest,42e,, pp10030			
6	11201105i-06	il4pest,42e,, pp10170			
7	11201105i-07	il5pest,42e,, pp10028			
8	11201105i-08	il6pest,42e,, pp10027			11/11/20
9	11201105i-09	il7pest,42e,, pp10026			
10	11201105i-10	il8pest,42e,, pp10183			
11	11201105i-11	il9pest,42e,, pp10024			
12	11201105i-12	il10pest,42e,, pp10023			
13	11201105i-13	cicvpest,42e,, pp10168			
14	11201105i-14	il1chlor,42e,, pp10182 0.01	L2		
15	11201105i-15	il2chlor,42e,, pp10182 0.02	L3	11/11/20	
16	11201105i-16	il3chlor,42e,, pp10182 0.1	L4	KB	
17	11201105i-17	il4chlor,42e,, pp10182 0.5	L6		
18	11201105i-18	il7chlor,42e,, pp10182 1.0			
19	11201105i-19	il8chlor,42e,, pp10182 2.0			
20	11201105i-20	cicvchlor,42e,, pp10179			
21	11201105i-21	il2tox,42e,, 100x pp10176			
22	11201105i-22	il7tox,42e,, pp10176			
23	11201105i-23	il8tox,42e,, 2x pp10039			
24	11201105i-24	cicvtox,42e,, pp10098			

Dep.: PEST
Inst: Pest_18
Date: **12/02/20**
Run: **a**

Method

Seq: wg1440148

Vial	Data File	Sample	CCAL	notes	initials
1	18201202a-01	deg 10100			
2	18201202a-02	pest 10181			
3	18201202a-03	chlor 10179			
4	18201202a-04	tox 10180			
5	18201202a-05	pest 10181			
6	18201202a-06	blank			
7	18201202a-07	WG1440014-1,42,,			
8	18201202a-08	WG1440014-2,42,,			
9	18201202a-09	WG1440014-3,42,,			
10	18201202a-10	L2053255-06,42,,			
11	18201202a-11	L2053255-07,42,,			
12	18201202a-12	L2053255-10,42,,			
13	18201202a-13	L2053255-15,42,,			
14	18201202a-14	L2053255-16,42,,			
15	18201202a-15	L2053255-17,42,,			
16	18201202a-16	L2053255-18,42,,			
17	18201202a-17	blank			
18	18201202a-18	pest lvi spike 5x pp 10203			
19	18201202a-19	blank			
20	18201202a-20	WG1439513-1,42,,splp			
21	18201202a-21	WG1439513-2,42,,splp			
22	18201202a-22	WG1439513-3,42,,splp			
23	18201202a-23	L2051249-05,42,,splp			
24	18201202a-24	L2052892-01,42,,splp			
25	18201202a-25	L2052892-02,42,,splp			
26	18201202a-26	L2052193-01,42,,			
27	18201202a-27	WG1438472-1,42,,			
28	18201202a-28	WG1438472-2,42,,			
29	18201202a-29	WG1438472-3,42,,			

201203a **2020** Pest_11

Dep.: PEST Method

Inst: Pest_11 GC: PEST

Date: **12/03/20**

Run: **a** Seq: WG1440679

Vial	Data File	Sample	CCAL	notes	initials
1	11201203a-01	deg 10100			
2	11201203a-02	pest 10181			
3	11201203a-03	chlor 10179			
4	11201203a-04	tox 10180			
5	11201203a-05	instrument blank			
6	11201203a-06	pest 10181			
7	11201203a-07	blank			
8	11201203a-08	l2052593-01d,42e,2, md			
9	11201203a-09	l2052593-03d,42e,10, md			
10	11201203a-10	l2053491-01,42,,			
11	11201203a-11	l2053491-03,42,,			
12	11201203a-12	l2053491-05,42,,			
13	11201203a-13	l2051957-01,42,,			
14	11201203a-14	L2051957-02,42e,,			
15	11201203a-15	l2052862-04d,42e,5,ddd			
16	11201203a-16	l2053254-01,42,,			
17	11201203a-17	l2053254-02,42,,			
18	11201203a-18	l2053254-03,42,,			
19	11201203a-19	l2053254-04,42,,			
20	11201203a-20	l2053283-04,42,,			
21	11201203a-21	l2052491-01,42,,			
22	11201203a-22	wg1440468-1,42,,			
23	11201203a-23	wg1440468-2,42,,			
24	11201203a-24	l2049344-26,42,,			
25	11201203a-25	wg1440468-3,42,,			
26	11201203a-26	wg1440468-4,42,,			
27	11201203a-27	pest 10181			

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Dec 07 2020, 02:32 pm

Work Group: WG1440014 for Department: 2 Organic Preparation

Created: 02-DEC-20 Due: Operator: EB

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2051957-01	SB23_0-2	S	NYTCL-8081	SOIL	DONE	U	1204	1208	S0	Glass-A.25
L2051957-02	SB23_5-6	S	NYTCL-8081	SOIL	DONE	U	1204	1208	S0	Glass-A.25
L2053254-01	DS-20_EL8.0	S	NYTCL-8081	SOIL	DONE	U	1215	1207	S0	Glass-A.25
L2053254-02	DS-20_EL6.0	S	NYTCL-8081	SOIL	DONE	U	1215	1207	S0	Glass-A.25
L2053254-03	DS-19_EL8.0	S	NYTCL-8081	SOIL	DONE	U	1215	1207	S0	Glass-A.25
L2053254-04	DS-19_EL6.0	S	NYTCL-8081	SOIL	DONE	U	1215	1207	S0	Glass-A.25
L2053255-01	A1-3A	S	NYTCL-8081	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-03	B1-2A	S	NYTCL-8081	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-06	B2-2A	S	NYTCL-8081	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-07	B2-3A	S	NYTCL-8081	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-10	B4-3A	S	NYTCL-8081	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-12	B3-1	S	NYTCL-8081	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-13	C3-1	S	NYTCL-8081	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-14	C3-2	S	NYTCL-8081	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-15	C3-3	S	NYTCL-8081	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-16	C4-1	S	NYTCL-8081	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-17	C4-2	S	NYTCL-8081	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053255-18	C4-3	S	NYTCL-8081	SOIL	DONE	U	1215	1202	1A	Glass-A.25
L2053283-04	EB13_0-2	S	NYTCL-8081	SOIL	DONE	U	1215	1207	S0	Glass-A.25
L2053438-01	WC2-PC COMP	C	NYTCL-8081	SOIL	DONE	U	1216	1204	1B	Glass-A.25
WG1440014-1	Laboratory Method Bl	S	NYTCL-8081	SOIL	DONE	U				
WG1440014-2	Laboratory Control S	S	NYTCL-8081	SOIL	DONE	U				
WG1440014-3	LCS Duplicate	S	NYTCL-8081	SOIL	DONE	U				

Comments:

WG1440014-3 WG1440014-2

ORGANIC ELN REPORT

Workgroup: WG1440014

Prep Method: EPA 3546
Solvent Type: DCM/Acetone **Lot #:** AD112920
Surrogate Type: Pesticide/PCB **Lot #:** PP-10174 [05/03/21]
Spike Type: Pesticide **Lot #:** PP-10165 [04/20/21]
Spike Verify by: EB / MKL
Lims Spikelot: PEST_1107

Additional Reagents/Stds

Na2SO4	0000255328

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Hexane
Lot #: EA081

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1: EPA 3620B
Cleanup Method 2:
Solvent Type: 9:1 Hexane/Acetone **Lot #:** 9HA112220

Additional Reagents/Stds

Florisil	P2782

Sample/ Type	Extraction								Concentration			
	Extract Date	Analyst	Sample Weight g	Balance Id	Surr Amt ml	Spike Amt ml	Extract Unit Id	Stop Date/Time	Conc Date	Analyst	Final Vol ml	Conc Unit
L2051957-01 SOIL	12/02/20 14:32	Michael Lamb	15.46	#51	.25		MW#9	N/A	12/02/20 19:15	Paolo Roffo	10	C/H/#1
L2051957-02 SOIL	12/02/20 14:32	Michael Lamb	15.16	#51	.25		MW#9	N/A	12/02/20 19:15	Paolo Roffo	10	C/H/#1
L2053254-01 SOIL	12/02/20 14:32	Michael Lamb	15.46	#51	.25		MW#9	N/A	12/02/20 19:15	Paolo Roffo	10	C/H/#1
L2053254-02 SOIL	12/02/20 14:32	Michael Lamb	15.90	#51	.25		MW#9	N/A	12/02/20 19:15	Paolo Roffo	10	C/H/#1
L2053254-03 SOIL	12/02/20 14:32	Michael Lamb	15.33	#51	.25		MW#9	N/A	12/02/20 19:15	Paolo Roffo	10	C/H/#1
L2053254-04 SOIL	12/02/20 14:32	Michael Lamb	15.62	#51	.25		MW#9	N/A	12/02/20 19:15	Paolo Roffo	10	C/H/#1
L2053255-01 SOIL	12/02/20 03:57	Eric Baawuah	15.48	#51	.25		MW#9	N/A	12/02/20 07:02	Frimpong Agyen	10	E&G,N #2

Reported: 07-DEC-20 02:32 PM

ORGANIC ELN REPORT

Workgroup: WG1440014

Sample/ Type	Extraction								Concentration			
	Extract Date	Analyst	Sample Weight g	Balance Id	Surr Amt ml	Spike Amt ml	Extract Unit Id	Stop Date/Time	Conc Date	Analyst	Final Vol ml	Conc Unit
L2053255-03 SOIL	12/02/20 03:57	Eric Baawuah	15.46	#51	.25		MW#9	N/A	12/02/20 07:02	Frimpong Agyen	10	E&G,N #2
L2053255-04	12/02/20 03:57	Eric Baawuah	15.65	#51	.25		MW#9	N/A	12/02/20 07:02	Frimpong Agyen	10	E&G,N #2
L2053255-06 SOIL	12/02/20 03:57	Eric Baawuah	15.57	#51	.25		MW#9	N/A	12/02/20 07:02	Frimpong Agyen	10	E&G,N #2
L2053255-07 SOIL	12/02/20 04:02	Eric Baawuah	15.18	#51	.25		MW#9	N/A	12/02/20 07:02	Frimpong Agyen	10	E&G,N #2
L2053255-10 SOIL	12/02/20 03:57	Eric Baawuah	15.30	#51	.25		MW#9	N/A	12/02/20 07:02	Frimpong Agyen	10	E&G,N #2
L2053255-12 SOIL	12/02/20 03:57	Eric Baawuah	15.46	#51	.25		MW#9	N/A	12/02/20 07:02	Frimpong Agyen	10	E&G,N #2
L2053255-13 SOIL	12/02/20 03:57	Eric Baawuah	15.86	#51	.25		MW#9	N/A	12/02/20 07:02	Frimpong Agyen	10	E&G,N #2
L2053255-14 SOIL	12/02/20 03:57	Eric Baawuah	15.31	#51	.25		MW#9	N/A	12/02/20 07:02	Frimpong Agyen	10	E&G,N #2
L2053255-15 SOIL	12/02/20 03:57	Eric Baawuah	15.54	#51	.25		MW#9	N/A	12/02/20 07:02	Frimpong Agyen	10	E&G,N #2
L2053255-16 SOIL	12/02/20 03:57	Eric Baawuah	15.17	#51	.25		MW#9	N/A	12/02/20 07:02	Frimpong Agyen	10	E&G,N #2

Reported: 07-DEC-20 02:32 PM

ORGANIC ELN REPORT

Workgroup: WG1440014

Sample/ Type	Extraction								Concentration			
	Extract Date	Analyst	Sample Weight g	Balance Id	Surr Amt ml	Spike Amt ml	Extract Unit Id	Stop Date/Time	Conc Date	Analyst	Final Vol ml	Conc Unit
L2053255-17 SOIL	12/02/20 03:57	Eric Baawuah	15.83	#51	.25		MW#9	N/A	12/02/20 07:02	Frimpong Agyen	10	E&G,N #2
L2053255-18 SOIL	12/02/20 03:57	Eric Baawuah	15.74	#51	.25		MW#9	N/A	12/02/20 07:02	Frimpong Agyen	10	E&G,N #2
L2053283-04 SOIL	12/02/20 14:32	Michael Lamb	15.20	#51	.25		MW#9	N/A	12/02/20 19:15	Paolo Roffo	10	C/H/#1
L2053438-01 SOIL	12/03/20 02:20	Jean-Carlos Fernande	15.39	#51	.25		MW#8	N/A	12/03/20 13:43	Eric Asamoah	10	C/H/#1
WG1440014-1 BLANK	12/02/20 03:57	Eric Baawuah	15.25	#51	.25		MW#9	N/A	12/02/20 07:02	Frimpong Agyen	10	E&G,N #2
WG1440014-2 LCS	12/02/20 03:57	Eric Baawuah	15.63	#51	.25	.25	MW#9	N/A	12/02/20 07:02	Frimpong Agyen	10	E&G,N #2
WG1440014-3 LCSD	12/02/20 03:57	Eric Baawuah	15.44	#51	.25	.25	MW#9	N/A	12/02/20 07:02	Frimpong Agyen	10	E&G,N #2

ORGANIC ELN REPORT

Workgroup: WG1440014

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
L2051957-01 SOIL	12/03/20 04:15	Daniel Erhagbai	1	1		
L2051957-02 SOIL	12/03/20 04:23	Daniel Erhagbai	1	1		
L2053254-01 SOIL	12/03/20 04:23	Daniel Erhagbai	1	1		
L2053254-02 SOIL	12/03/20 04:23	Daniel Erhagbai	1	1		
L2053254-03 SOIL	12/03/20 04:23	Daniel Erhagbai	1	1		
L2053254-04 SOIL	12/03/20 04:23	Daniel Erhagbai	1	1		
L2053255-01 SOIL	12/02/20 09:06	Maranda Cardiel	1	1		
L2053255-03 SOIL	12/02/20 09:06	Maranda Cardiel	1	1		
L2053255-04	12/02/20 09:06	Maranda Cardiel	1	1		
L2053255-06 SOIL	12/02/20 09:06	Maranda Cardiel	1	1		
L2053255-07 SOIL	12/02/20 09:06	Maranda Cardiel	1	1		
L2053255-10 SOIL	12/02/20 09:06	Maranda Cardiel	1	1		

ORGANIC ELN REPORT

Workgroup: WG1440014

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
L2053255-12 SOIL	12/02/20 09:06	Maranda Cardiel	1	1		
L2053255-13 SOIL	12/02/20 09:06	Maranda Cardiel	1	1		
L2053255-14 SOIL	12/02/20 09:06	Maranda Cardiel	1	1		
L2053255-15 SOIL	12/02/20 09:06	Maranda Cardiel	1	1		
L2053255-16 SOIL	12/02/20 09:06	Maranda Cardiel	1	1		
L2053255-17 SOIL	12/02/20 09:06	Maranda Cardiel	1	1		
L2053255-18 SOIL	12/02/20 09:06	Maranda Cardiel	1	1		
L2053283-04 SOIL	12/03/20 04:23	Daniel Erhagbai	1	1		
L2053438-01 SOIL	12/03/20 16:57	Eric Asamoah	1	1		
WG1440014-1 BLANK	12/02/20 09:06	Maranda Cardiel	1	1		
WG1440014-2 LCS	12/02/20 09:06	Maranda Cardiel	1	1		
WG1440014-3 LCSD	12/02/20 09:06	Maranda Cardiel	1	1		

Reported: 07-DEC-20 02:32 PM

Metals

Inorganic Data
(ICP Analysis)

Form 1
METALS

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Lab ID	: L2051957-01	Date Collected	: 11/20/20 10:15
Client ID	: SB23_0-2	Date Received	: 11/20/20
Sample Location	: NEW YORK, NY	Date Analyzed	: 12/08/20 21:48
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1442212.pdf	Instrument ID	: TRACE7
Sample Amount	: 1.296g	%Solids	: 86
Digestion Method	: EPA 3050B	Date Digested	: 12/08/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	10600	8.99	2.43	
7440-36-0	Antimony, Total	0.648	4.50	0.342	J
7440-38-2	Arsenic, Total	3.41	0.899	0.187	
7440-39-3	Barium, Total	107	0.899	0.156	
7440-41-7	Beryllium, Total	0.252	0.450	0.030	J
7440-43-9	Cadmium, Total	0.450	0.899	0.088	J
7440-70-2	Calcium, Total	24700	8.99	3.15	
7440-47-3	Chromium, Total	18.6	0.899	0.086	
7440-48-4	Cobalt, Total	8.47	1.80	0.149	
7440-50-8	Copper, Total	17.8	0.899	0.232	
7439-89-6	Iron, Total	16700	4.50	0.812	
7439-92-1	Lead, Total	1060	4.50	0.241	
7439-95-4	Magnesium, Total	3800	8.99	1.38	
7439-96-5	Manganese, Total	266	0.899	0.143	
7440-02-0	Nickel, Total	17.5	2.25	0.218	
7440-09-7	Potassium, Total	2660	225	13.0	
7782-49-2	Selenium, Total	0.297	1.80	0.232	J
7440-22-4	Silver, Total	ND	0.899	0.254	U
7440-23-5	Sodium, Total	239	180	2.83	
7440-28-0	Thallium, Total	ND	1.80	0.283	U
7440-62-2	Vanadium, Total	25.8	0.899	0.182	
7440-66-6	Zinc, Total	71.6	4.50	0.263	

Form 1
METALS

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Lab ID	: L2051957-02	Date Collected	: 11/20/20 10:30
Client ID	: SB23_5-6	Date Received	: 11/20/20
Sample Location	: NEW YORK, NY	Date Analyzed	: 12/08/20 21:52
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1442212.pdf	Instrument ID	: TRACE7
Sample Amount	: 1.319g	%Solids	: 84
Digestion Method	: EPA 3050B	Date Digested	: 12/08/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	8210	9.07	2.45	
7440-36-0	Antimony, Total	0.644	4.53	0.345	J
7440-38-2	Arsenic, Total	3.85	0.907	0.189	
7440-39-3	Barium, Total	35.4	0.907	0.158	
7440-41-7	Beryllium, Total	0.426	0.453	0.030	J
7440-43-9	Cadmium, Total	0.426	0.907	0.089	J
7440-70-2	Calcium, Total	1560	9.07	3.17	
7440-47-3	Chromium, Total	18.4	0.907	0.087	
7440-48-4	Cobalt, Total	11.1	1.81	0.150	
7440-50-8	Copper, Total	35.9	0.907	0.234	
7439-89-6	Iron, Total	12500	4.53	0.819	
7439-92-1	Lead, Total	557	4.53	0.243	
7439-95-4	Magnesium, Total	1890	9.07	1.40	
7439-96-5	Manganese, Total	168	0.907	0.144	
7440-02-0	Nickel, Total	17.5	2.27	0.219	
7440-09-7	Potassium, Total	452	227	13.0	
7782-49-2	Selenium, Total	0.444	1.81	0.234	J
7440-22-4	Silver, Total	ND	0.907	0.257	U
7440-23-5	Sodium, Total	64.9	181	2.86	J
7440-28-0	Thallium, Total	ND	1.81	0.286	U
7440-62-2	Vanadium, Total	13.1	0.907	0.184	
7440-66-6	Zinc, Total	137	4.53	0.266	

Form 1
METALS

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Lab ID	: WG1442060-1	Date Collected	: NA
Client ID	: WG1442060-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 12/08/20 21:21
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1442212.pdf	Instrument ID	: TRACE7
Sample Amount	: 1.25g	%Solids	: NA
Digestion Method	: EPA 3050B	Date Digested	: 12/08/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	ND	4.00	1.08	U
7440-36-0	Antimony, Total	ND	2.00	0.152	U
7440-38-2	Arsenic, Total	ND	0.400	0.083	U
7440-39-3	Barium, Total	ND	0.400	0.070	U
7440-41-7	Beryllium, Total	ND	0.200	0.013	U
7440-43-9	Cadmium, Total	ND	0.400	0.039	U
7440-70-2	Calcium, Total	ND	4.00	1.40	U
7440-47-3	Chromium, Total	0.128	0.400	0.038	J
7440-48-4	Cobalt, Total	ND	0.800	0.066	U
7440-50-8	Copper, Total	ND	0.400	0.103	U
7439-89-6	Iron, Total	0.752	2.00	0.361	J
7439-92-1	Lead, Total	ND	2.00	0.107	U
7439-95-4	Magnesium, Total	ND	4.00	0.616	U
7439-96-5	Manganese, Total	0.072	0.400	0.064	J
7440-02-0	Nickel, Total	ND	1.00	0.097	U
7440-09-7	Potassium, Total	ND	100	5.76	U
7782-49-2	Selenium, Total	ND	0.800	0.103	U
7440-22-4	Silver, Total	ND	0.400	0.113	U
7440-23-5	Sodium, Total	4.22	80.0	1.26	J
7440-28-0	Thallium, Total	ND	0.800	0.126	U
7440-62-2	Vanadium, Total	ND	0.400	0.081	U
7440-66-6	Zinc, Total	ND	2.00	0.117	U

Form 1
METALS

Client	: Langan Engineering & Environmental	Lab Number	: L2051957
Project Name	: 266-270 W. 96TH STREET	Project Number	: 170432001
Lab ID	: WG1442060-4	Date Collected	: 12/01/20 09:40
Client ID	: WG1442060-4 DUP	Date Received	: 12/01/20
Sample Location	:	Date Analyzed	: 12/08/20 21:39
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,6010D	Analyst	: BV
Lab File ID	: WG1442212.pdf	Instrument ID	: TRACE7
Sample Amount	: 1.308g	%Solids	: 85
Digestion Method	: EPA 3050B	Date Digested	: 12/08/20

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	2180	8.98	2.42	
7440-36-0	Antimony, Total	0.737	4.49	0.341	J
7440-38-2	Arsenic, Total	2.96	0.898	0.187	
7440-39-3	Barium, Total	26.5	0.898	0.156	
7440-41-7	Beryllium, Total	0.081	0.449	0.030	J
7440-43-9	Cadmium, Total	0.252	0.898	0.088	J
7440-70-2	Calcium, Total	733	8.98	3.14	
7440-47-3	Chromium, Total	4.88	0.898	0.086	
7440-48-4	Cobalt, Total	3.51	1.80	0.149	
7440-50-8	Copper, Total	22.4	0.898	0.232	
7439-89-6	Iron, Total	7570	4.49	0.811	
7439-92-1	Lead, Total	7.43	4.49	0.241	
7439-95-4	Magnesium, Total	887	8.98	1.38	
7439-96-5	Manganese, Total	207	0.898	0.143	
7440-02-0	Nickel, Total	5.92	2.24	0.217	
7440-09-7	Potassium, Total	146	224	12.9	J
7782-49-2	Selenium, Total	0.260	1.80	0.232	J
7440-22-4	Silver, Total	ND	0.898	0.254	U
7440-23-5	Sodium, Total	34.0	180	2.83	J
7440-28-0	Thallium, Total	ND	1.80	0.283	U
7440-62-2	Vanadium, Total	9.18	0.898	0.182	
7440-66-6	Zinc, Total	62.1	4.49	0.263	

Form 2A
Initial and Continuing Calibration Verification

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: TRACE7	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1380178-1			R1380178-4			R1380178-6		R1380178-8	
Date Analyzed :	12/08/20 08:09			12/08/20 08:44			12/08/20 09:01		12/08/20 10:02	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	0.500	0.4878	98	0.5000	0.483	97	0.468	94	0.516	103
Antimony	0.500	0.5220	104	0.5000	0.524	105	0.528	106	0.530	106
Arsenic	0.500	0.4998	100	0.5000	0.506	101	0.510	102	0.514	103
Barium	0.500	0.4946	99	0.5000	0.474	95	0.469	94	0.472	95
Beryllium	0.500	0.4928	99	0.5000	0.474	95	0.470	94	0.466	93
Cadmium	0.500	0.4821	96	0.5000	0.486	97	0.488	98	0.491	98
Calcium	0.500	0.4899	98	0.5000	0.480	96	0.486	97	0.473	95
Chromium	0.500	0.4936	99	0.5000	0.493	99	0.494	99	0.494	99
Cobalt	0.500	0.4863	97	0.5000	0.494	99	0.497	99	0.502	100
Copper	0.500	0.4974	99	0.5000	0.508	102	0.512	102	0.515	103
Iron	0.500	0.4875	98	0.5000	0.472	94	0.463	93	0.498	100
Lead	0.500	0.4840	97	0.5000	0.487	97	0.489	98	0.494	99
Magnesium	0.500	0.5075	102	0.5000	0.479	96	0.475	95	0.475	95
Manganese	0.500	0.4824	96	0.5000	0.468	94	0.465	93	0.459	92
Nickel	0.500	0.4870	97	0.5000	0.488	98	0.489	98	0.494	99
Potassium	5.00	5.0580	101	5.0000	4.96	99	4.95	99	4.96	99
Selenium	0.500	0.4822	96	0.5000	0.487	97	0.487	97	0.493	99
Silver	0.500	0.5027	101	0.5000	0.520	104	0.526	105	0.528	106
Sodium	10.0	9.7260	97	10.0000	9.62	96	9.60	96	9.63	96
Thallium	0.500	0.4896	98	0.5000	0.495	99	0.497	99	0.502	100
Vanadium	0.500	0.4933	99	0.5000	0.500	100	0.502	100	0.502	100
Zinc	0.500	0.4933	99	0.5000	0.492	98	0.492	98	0.493	99

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	85-115%	(Method 1631)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Methods 200.8, 1631)
	80-120%	(Methods 7470, 7471)

Form 2A
Initial and Continuing Calibration Verification

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: TRACE7	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1380178-10			R1380178-12		R1380178-14	
Date Analyzed :				12/08/20 10:57			12/08/20 11:06		12/08/20 12:02	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.500	100	0.493	99	0.483	97
Antimony				0.5000	0.541	108	0.527	105	0.509	102
Arsenic				0.5000	0.522	104	0.529	106	0.516	103
Barium				0.5000	0.464	93	0.457	91	0.482	96
Beryllium				0.5000	0.459	92	0.456	91	0.476	95
Cadmium				0.5000	0.498	100	0.507	101	0.492	98
Calcium				0.5000	0.476	95	0.467	93	0.484	97
Chromium				0.5000	0.501	100	0.499	100	0.492	98
Cobalt				0.5000	0.507	101	0.510	102	0.497	99
Copper				0.5000	0.522	104	0.525	105	0.514	103
Iron				0.5000	0.446	89	0.435	87	0.453	91
Lead				0.5000	0.501	100	0.505	101	0.492	98
Magnesium				0.5000	0.469	94	0.470	94	0.494	99
Manganese				0.5000	0.450	90	0.445	89	0.460	92
Nickel				0.5000	0.499	100	0.503	101	0.490	98
Potassium				5.0000	4.93	99	4.89	98	5.09	102
Selenium				0.5000	0.494	99	0.514	103	0.507	101
Silver				0.5000	0.538	108	0.551	110	0.532	106
Sodium				10.0000	9.57	96	10.0	100	10.4	104
Thallium				0.5000	0.511	102	0.520	104	0.506	101
Vanadium				0.5000	0.508	102	0.508	102	0.502	100
Zinc				0.5000	0.498	100	0.508	102	0.499	100

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	85-115%	(Method 1631)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Methods 200.8, 1631)
	80-120%	(Methods 7470, 7471)

Form 2A
Initial and Continuing Calibration Verification

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: TRACE7	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1380178-16			R1380178-18		R1380178-20	
Date Analyzed :				12/08/20 12:46			12/08/20 13:43		12/08/20 14:40	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.485	97	0.491	98	0.501	100
Antimony				0.5000	0.509	102	0.518	104	0.520	104
Arsenic				0.5000	0.517	103	0.523	105	0.526	105
Barium				0.5000	0.476	95	0.470	94	0.479	96
Beryllium				0.5000	0.464	93	0.458	92	0.460	92
Cadmium				0.5000	0.494	99	0.501	100	0.503	101
Calcium				0.5000	0.473	95	0.469	94	0.473	95
Chromium				0.5000	0.493	99	0.496	99	0.498	100
Cobalt				0.5000	0.499	100	0.505	101	0.507	101
Copper				0.5000	0.515	103	0.519	104	0.520	104
Iron				0.5000	0.458	92	0.432	86	0.429	86
Lead				0.5000	0.495	99	0.500	100	0.503	101
Magnesium				0.5000	0.487	97	0.487	97	0.500	100
Manganese				0.5000	0.449	90	0.437	87	0.436	87
Nickel				0.5000	0.493	99	0.497	99	0.501	100
Potassium				5.0000	5.13	103	5.13	103	5.21	104
Selenium				0.5000	0.511	102	0.512	102	0.516	103
Silver				0.5000	0.536	107	0.544	109	0.543	109
Sodium				10.0000	10.4	104	10.4	104	10.5	105
Thallium				0.5000	0.509	102	0.514	103	0.517	103
Vanadium				0.5000	0.503	101	0.507	101	0.507	101
Zinc				0.5000	0.501	100	0.505	101	0.509	102

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	85-115%	(Method 1631)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Methods 200.8, 1631)
	80-120%	(Methods 7470, 7471)

Form 2A
Initial and Continuing Calibration Verification

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: TRACE7	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1380178-23			R1380178-25			R1380178-27		R1380178-29	
Date Analyzed :	12/08/20 16:07			12/08/20 17:15			12/08/20 18:14		12/08/20 19:13	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	0.500	0.4857	97	0.5000	0.494	99	0.512	102	0.484	97
Antimony	0.500	0.5035	101	0.5000	0.520	104	0.521	104	0.512	102
Arsenic	0.500	0.5082	102	0.5000	0.520	104	0.525	105	0.518	104
Barium	0.500	0.4910	98	0.5000	0.488	98	0.486	97	0.486	97
Beryllium	0.500	0.4985	100	0.5000	0.494	99	0.495	99	0.488	98
Cadmium	0.500	0.4898	98	0.5000	0.502	100	0.511	102	0.500	100
Calcium	0.500	0.4817	96	0.5000	0.473	95	0.475	95	0.480	96
Chromium	0.500	0.4914	98	0.5000	0.500	100	0.514	103	0.500	100
Cobalt	0.500	0.4858	97	0.5000	0.498	100	0.504	101	0.496	99
Copper	0.500	0.4882	98	0.5000	0.502	100	0.514	103	0.499	100
Iron	0.500	0.4850	97	0.5000	0.479	96	0.474	95	0.479	96
Lead	0.500	0.4905	98	0.5000	0.502	100	0.509	102	0.501	100
Magnesium	0.500	0.5143	103	0.5000	0.512	102	0.520	104	0.517	103
Manganese	0.500	0.4843	97	0.5000	0.477	95	0.477	95	0.471	94
Nickel	0.500	0.4915	98	0.5000	0.505	101	0.513	103	0.502	100
Potassium	5.00	5.1200	102	5.0000	5.09	102	5.11	102	5.15	103
Selenium	0.500	0.5064	101	0.5000	0.519	104	0.522	104	0.518	104
Silver	0.500	0.4983	100	0.5000	0.508	102	0.521	104	0.508	102
Sodium	10.0	10.1800	102	10.0000	10.1	101	10.1	101	10.2	102
Thallium	0.500	0.4949	99	0.5000	0.508	102	0.517	103	0.504	101
Vanadium	0.500	0.4841	97	0.5000	0.492	98	0.501	100	0.491	98
Zinc	0.500	0.5083	102	0.5000	0.518	104	0.525	105	0.516	103

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	85-115%	(Method 1631)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Methods 200.8, 1631)
	80-120%	(Methods 7470, 7471)

Form 2A
Initial and Continuing Calibration Verification

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: TRACE7	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1380178-31						
Date Analyzed :				12/08/20 19:48						
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.494	99				
Antimony				0.5000	0.512	102				
Arsenic				0.5000	0.519	104				
Barium				0.5000	0.492	98				
Beryllium				0.5000	0.493	99				
Cadmium				0.5000	0.501	100				
Calcium				0.5000	0.475	95				
Chromium				0.5000	0.500	100				
Cobalt				0.5000	0.496	99				
Copper				0.5000	0.499	100				
Iron				0.5000	0.474	95				
Lead				0.5000	0.499	100				
Magnesium				0.5000	0.524	105				
Manganese				0.5000	0.471	94				
Nickel				0.5000	0.502	100				
Potassium				5.0000	5.21	104				
Selenium				0.5000	0.513	103				
Silver				0.5000	0.508	102				
Sodium				10.0000	10.3	103				
Thallium				0.5000	0.506	101				
Vanadium				0.5000	0.491	98				
Zinc				0.5000	0.517	103				

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	85-115%	(Method 1631)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Methods 200.8, 1631)
	80-120%	(Methods 7470, 7471)

Form 2A
Initial and Continuing Calibration Verification

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: TRACE7	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1380178-33			R1380178-35						
Date Analyzed :	12/08/20 21:00			12/08/20 22:02						
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	0.500	0.4774	95	0.5000	0.481	96				
Antimony	0.500	0.5001	100	0.5000	0.493	99				
Arsenic	0.500	0.5113	102	0.5000	0.513	103				
Barium	0.500	0.4950	99	0.5000	0.483	97				
Beryllium	0.500	0.5035	101	0.5000	0.489	98				
Cadmium	0.500	0.4922	98	0.5000	0.494	99				
Calcium	0.500	0.4867	97	0.5000	0.478	96				
Chromium	0.500	0.4933	99	0.5000	0.494	99				
Cobalt	0.500	0.4876	98	0.5000	0.488	98				
Copper	0.500	0.4931	99	0.5000	0.494	99				
Iron	0.500	0.4934	99	0.5000	0.487	97				
Lead	0.500	0.4914	98	0.5000	0.493	99				
Magnesium	0.500	0.5083	102	0.5000	0.501	100				
Manganese	0.500	0.4839	97	0.5000	0.477	95				
Nickel	0.500	0.4925	99	0.5000	0.493	99				
Potassium	5.00	5.1630	103	5.0000	5.16	103				
Selenium	0.500	0.5175	104	0.5000	0.512	102				
Silver	0.500	0.5070	101	0.5000	0.511	102				
Sodium	10.0	10.2800	103	10.0000	10.2	102				
Thallium	0.500	0.4991	100	0.5000	0.502	100				
Vanadium	0.500	0.4852	97	0.5000	0.485	97				
Zinc	0.500	0.5109	102	0.5000	0.511	102				

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	85-115%	(Method 1631)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Methods 200.8, 1631)
	80-120%	(Methods 7470, 7471)

Form 3
Blanks

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: TRACE7		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1380178-2		R1380178-5		R1380178-7		R1380178-9		WG1442060-1	
Date Analyzed :	12/08/20 08:14		12/08/20 08:48		12/08/20 09:05		12/08/20 10:06		12/08/20 21:21	
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/kg**	**Q**
Aluminum	0.0270	U	0.0270	U	0.0270	U	0.0270	U	1.08	U
Antimony	0.00890	J	0.00700	J	0.00760	J	0.00560	J	0.152	U
Arsenic	0.00208	U	0.00208	U	0.00208	U	0.00208	U	0.083	U
Barium	0.00174	U	0.00174	U	0.00174	U	0.00174	U	0.070	U
Beryllium	0.000330	U	0.000330	U	0.000330	U	0.000330	U	0.013	U
Cadmium	0.000980	U	0.000980	U	0.000980	U	0.000980	U	0.039	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U	1.40	U
Chromium	0.000960	U	0.000960	U	0.000960	U	0.000960	U	0.128	J
Cobalt	0.00166	U	0.00166	U	0.00166	U	0.00166	U	0.066	U
Copper	0.00410	J	0.00760	J	0.00880	J	0.00950	J	0.103	U
Iron	0.00903	U	0.00903	U	0.00903	U	0.00903	U	0.752	J
Lead	0.00268	U	0.00268	U	0.00268	U	0.00268	U	0.107	U
Magnesium	0.0154	U	0.0154	U	0.0154	U	0.0154	U	0.616	U
Manganese	0.00159	U	0.00159	U	0.00159	U	0.00159	U	0.072	J
Nickel	0.00242	U	0.00242	U	0.00242	U	0.00242	U	0.097	U
Potassium	0.144	U	0.144	U	0.144	U	0.144	U	5.76	U
Selenium	0.00258	U	0.00258	U	0.00258	U	0.00258	U	0.103	U
Silver	0.00283	U	0.00283	U	0.00283	U	0.00283	U	0.113	U
Sodium	0.0315	U	0.0315	U	0.0315	U	0.0315	U	4.22	J
Thallium	0.00315	U	0.00315	U	0.00315	U	0.00315	U	0.126	U
Vanadium	0.00203	U	0.00203	U	0.00203	U	0.00203	U	0.081	U
Zinc	0.00293	U	0.00293	U	0.00293	U	0.00293	U	0.117	U

Form 3
Blanks

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: TRACE7		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1380178-24		R1380178-11		R1380178-13		R1380178-15			
Date Analyzed :	12/08/20 16:11		12/08/20 11:01		12/08/20 11:11		12/08/20 12:07			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum	0.0270	U	0.0270	U	0.0270	U	0.0270	U		
Antimony	0.0145	J	0.00800	J	0.00980	J	0.0103	J		
Arsenic	0.00208	U	0.00208	U	0.00208	U	0.00208	U		
Barium	0.00174	U	0.00174	U	0.00174	U	0.00174	U		
Beryllium	0.000330	U	0.000330	U	0.000330	U	0.000330	U		
Cadmium	0.000980	U	0.000980	U	0.000980	U	0.000980	U		
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U		
Chromium	0.000960	U	0.000960	U	0.000960	U	0.000960	U		
Cobalt	0.00166	U	0.00166	U	0.00166	U	0.00166	U		
Copper	0.00258	U	0.0124		0.0120		0.00870	J		
Iron	0.00903	U	0.00903	U	0.00903	U	0.00903	U		
Lead	0.00268	U	0.00268	U	0.00268	U	0.00268	U		
Magnesium	0.0154	U	0.0154	U	0.0154	U	0.0154	U		
Manganese	0.00159	U	0.00159	U	0.00159	U	0.00159	U		
Nickel	0.00242	U	0.00242	U	0.00242	U	0.00242	U		
Potassium	0.144	U	0.144	U	0.144	U	0.144	U		
Selenium	0.00260	J	0.00258	U	0.00258	U	0.00258	U		
Silver	0.00283	U	0.00283	U	0.00283	U	0.00283	U		
Sodium	0.0315	U	0.0315	U	0.0315	U	0.0315	U		
Thallium	0.00315	U	0.00315	U	0.00315	U	0.00315	U		
Vanadium	0.00203	U	0.00203	U	0.00203	U	0.00203	U		
Zinc	0.00293	U	0.00293	U	0.00293	U	0.00293	U		

Form 3
Blanks

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: TRACE7		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1380178-34		R1380178-17		R1380178-19		R1380178-21			
Date Analyzed :	12/08/20 21:04		12/08/20 12:50		12/08/20 13:48		12/08/20 14:44			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum	0.0270	U	0.0270	U	0.0270	U	0.0270	U		
Antimony	0.0147	J	0.0113	J	0.0129	J	0.0126	J		
Arsenic	0.00208	U	0.00208	U	0.00208	U	0.00208	U		
Barium	0.00174	U	0.00174	U	0.00174	U	0.00174	U		
Beryllium	0.000330	U	0.000330	U	0.000330	U	0.000330	U		
Cadmium	0.000980	U	0.000980	U	0.000980	U	0.000980	U		
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U		
Chromium	0.000960	U	0.000960	U	0.000960	U	0.000960	U		
Cobalt	0.00166	U	0.00166	U	0.00166	U	0.00166	U		
Copper	0.00258	U	0.00910	J	0.0117		0.00990	J		
Iron	0.00903	U	0.00903	U	0.00903	U	0.00903	U		
Lead	0.00268	U	0.00268	U	0.00268	U	0.00268	U		
Magnesium	0.0154	U	0.0154	U	0.0154	U	0.0154	U		
Manganese	0.00159	U	0.00159	U	0.00159	U	0.00159	U		
Nickel	0.00242	U	0.00242	U	0.00242	U	0.00242	U		
Potassium	0.144	U	0.144	U	0.144	U	0.144	U		
Selenium	0.00258	U	0.00258	U	0.00258	U	0.00258	U		
Silver	0.00283	U	0.00283	U	0.00283	U	0.00283	U		
Sodium	0.0315	U	0.0315	U	0.0484	J	0.0439	J		
Thallium	0.00315	U	0.00315	U	0.00315	U	0.00315	U		
Vanadium	0.00203	U	0.00203	U	0.00203	U	0.00203	U		
Zinc	0.00293	U	0.00293	U	0.00293	U	0.00293	U		

Form 3
Blanks

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: TRACE7		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1380178-26		R1380178-28		R1380178-30			
Date Analyzed :			12/08/20 17:19		12/08/20 18:18		12/08/20 19:17			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum			0.0270	U	0.0270	U	0.0270	U		
Antimony			0.0165	J	0.0137	J	0.0149	J		
Arsenic			0.00208	U	0.00208	U	0.00208	U		
Barium			0.00174	U	0.00174	U	0.00174	U		
Beryllium			0.000330	U	0.000330	U	0.000330	U		
Cadmium			0.000980	U	0.000980	U	0.000980	U		
Calcium			0.0350	U	0.0350	U	0.0350	U		
Chromium			0.000960	U	0.000960	U	0.000960	U		
Cobalt			0.00166	U	0.00166	U	0.00166	U		
Copper			0.00258	U	0.00258	U	0.00258	U		
Iron			0.00903	U	0.00903	U	0.00903	U		
Lead			0.00268	U	0.00268	U	0.00268	U		
Magnesium			0.0154	U	0.0154	U	0.0154	U		
Manganese			0.00159	U	0.00159	U	0.00159	U		
Nickel			0.00242	U	0.00242	U	0.00242	U		
Potassium			0.144	U	0.144	U	0.144	U		
Selenium			0.00258	U	0.00258	U	0.00258	U		
Silver			0.00283	U	0.00283	U	0.00283	U		
Sodium			0.0315	U	0.0315	U	0.0315	U		
Thallium			0.00315	U	0.00315	U	0.00315	U		
Vanadium			0.00203	U	0.00203	U	0.00203	U		
Zinc			0.00293	U	0.00293	U	0.00293	U		

Form 3
Blanks

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: TRACE7		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1380178-32		R1380178-36					
Date Analyzed :			12/08/20 19:53		12/08/20 22:06					
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**		**Q**
Aluminum			0.0270	U	0.0270	U				
Antimony			0.0153	J	0.0133	J				
Arsenic			0.00208	U	0.00208	U				
Barium			0.00174	U	0.00174	U				
Beryllium			0.000330	U	0.000330	U				
Cadmium			0.000980	U	0.000980	U				
Calcium			0.0350	U	0.0350	U				
Chromium			0.000960	U	0.000960	U				
Cobalt			0.00166	U	0.00166	U				
Copper			0.00258	U	0.00258	U				
Iron			0.00903	U	0.00903	U				
Lead			0.00268	U	0.00268	U				
Magnesium			0.0154	U	0.0154	U				
Manganese			0.00159	U	0.00159	U				
Nickel			0.00242	U	0.00242	U				
Potassium			0.144	U	0.144	U				
Selenium			0.00258	U	0.00258	U				
Silver			0.00283	U	0.00283	U				
Sodium			0.0315	U	0.0315	U				
Thallium			0.00315	U	0.00315	U				
Vanadium			0.00203	U	0.00203	U				
Zinc			0.00293	U	0.00293	U				

Form 4a
Interference Check Sample

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: TRACE7	**Concentration Units**	: mg/L

	True		Initial Found				Final Found			
Lab ID :			R1380178-3							
Analysis Date :			12/08/20 08:34							
Analyte	**Sol. A**	**Sol. AB**	**Sol. A**	**%R**	**Sol. AB**	**%R**	**Sol. A**	**%R**	**Sol. AB**	**%R**
Aluminum	250		244.	97						
Antimony			0.00520							
Arsenic			-0.00370							
Barium			0.000400							
Beryllium			0.00							
Cadmium			0.00230							
Calcium	250		245.	98						
Chromium			-0.00200							
Cobalt			-0.000400							
Copper			-0.00980							
Iron	100		91.4	91						
Lead			0.000300							
Magnesium	250		236.	94						
Manganese			0.00170							
Nickel			-0.000100							
Potassium			-0.0104							
Selenium			0.000700							
Silver			0.000500							
Sodium			0.0580							
Thallium			0.00170							
Vanadium			0.00150							
Zinc			0.00180							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%

Form 5a
Matrix Spike

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Client Sample ID	: NA	**Matrix**	: SOLID
Lab Sample ID	: L2053308-01		
Matrix Spike	: WG1442060-3	**MS Analysis Date**	: 12/08/20 21:34
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Total	2540	181	2380	0	Q					75-125	20
Antimony, Total	0.965J	45.2	48.9	108						75-125	20
Arsenic, Total	2.94	10.8	14.1	103						75-125	20
Barium, Total	25.6	181	198	95						75-125	20
Beryllium, Total	0.143J	4.52	4.52	100						75-125	20
Cadmium, Total	0.268J	4.61	4.94	107						75-125	20
Calcium, Total	465	903	1450	109						75-125	20
Chromium, Total	5.58	18.1	22.3	92						75-125	20
Cobalt, Total	3.06	45.2	46.6	96						75-125	20
Copper, Total	18.4	22.6	86.8	303	Q					75-125	20
Iron, Total	9070	90.3	9900	919	Q					75-125	20
Lead, Total	4.80	46.1	62.2	125						75-125	20
Magnesium, Total	892	903	1550	73	Q					75-125	20
Manganese, Total	257	45.2	255	0	Q					75-125	20
Nickel, Total	6.50	45.2	48.2	92						75-125	20
Potassium, Total	176J	903	1000	111						75-125	20
Selenium, Total	0.331J	10.8	10.8	100						75-125	20
Silver, Total	ND	27.1	27.0	100						75-125	20
Sodium, Total	37.2J	903	918	102						75-125	20
Thallium, Total	ND	10.8	10.2	94						75-125	20
Vanadium, Total	10.3	45.2	51.8	92						75-125	20
Zinc, Total	51.4	45.2	104	116						75-125	20

Form 6
Lab Duplicates

Client	: Langan Engineering & Environmental		**Lab Number**	:	L2051957
Project Name	: 266-270 W. 96TH STREET		**Project Number**	:	170432001
Client Sample ID	: NA		**Matrix**	:	SOIL
Lab Sample ID	: NA		**Analysis Date**	:	12/08/20 21:30
Dup Sample ID	: WG1442060-4		**DUP Analysis Date**	:	12/08/20 21:39

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Aluminum, Total	2540	2180	15	20
Antimony, Total	0.965J	0.737J	NC	20
Arsenic, Total	2.94	2.96	1	20
Barium, Total	25.6	26.5	3	20
Beryllium, Total	0.143J	0.081J	NC	20
Cadmium, Total	0.268J	0.252J	NC	20
Calcium, Total	465	733	45 Q	20
Chromium, Total	5.58	4.88	13	20
Cobalt, Total	3.06	3.51	14	20
Copper, Total	18.4	22.4	20	20
Iron, Total	9070	7570	18	20
Lead, Total	4.80	7.43	43 Q	20
Magnesium, Total	892	887	1	20
Manganese, Total	257	207	22 Q	20
Nickel, Total	6.50	5.92	9	20
Potassium, Total	176J	146J	NC	20
Selenium, Total	0.331J	0.260J	NC	20
Silver, Total	ND	ND	NC	20
Sodium, Total	37.2J	34.0J	NC	20
Thallium, Total	ND	ND	NC	20
Vanadium, Total	10.3	9.18	11	20
Zinc, Total	51.4	62.1	19	20

Form 7
Laboratory Control Sample

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Client Sample ID	: NA	**Matrix**	: SOLID
Lab Sample ID	: WG1442060-2	**LCS Analysis Date**	: 12/08/20 21:25
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Total	8130	5920	73.					50-150	20
Antimony, Total	134.	253.	189.					19-250	20
Arsenic, Total	156.	165.	106.					70-130	20
Barium, Total	239.	235.	98.					75-125	20
Beryllium, Total	169.	173.	102.					75-125	20
Cadmium, Total	137.	137.	100.					75-125	20
Calcium, Total	4760	4710	99.					73-128	20
Chromium, Total	154.	160.	104.					70-130	20
Cobalt, Total	121.	125.	103.					75-125	20
Copper, Total	54.9	54.8	100.					75-125	20
Iron, Total	14100	16000	113.					35-165	20
Lead, Total	130.	132.	102.					72-128	20
Magnesium, Total	2320	2000	86.					62-138	20
Manganese, Total	269.	260.	97.					74-126	20
Nickel, Total	53.9	56.2	104.					70-130	20
Potassium, Total	2020	1790	89.					59-141	20
Selenium, Total	167.	172.	103.					68-132	20
Silver, Total	33.6	35.3	105.					68-131	20
Sodium, Total	1420	1400	98.					35-165	20
Thallium, Total	112.	110.	98.					68-131	20
Vanadium, Total	62.6	66.7	106.					59-141	20
Zinc, Total	158.	159.	101.					70-130	20

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	__
Aluminum	396.15	0.0000000	0.0000020	-0.0000310	-0.0000090	
Antimony	206.83	-0.0000020	0.0000040	-0.0000110	-0.0000050	
Arsenic	189.04	0.0000090	-0.0000010	-0.0000700	0.0000000	
Barium	455.40	-0.0000040	-0.0000020	-0.0000110	-0.0000010	
Beryllium	313.40	-0.0000020	-0.0000020	-0.0000050	0.0000000	
Cadmium	214.44	0.0000000	-0.0000030	0.0000000	-0.0000010	
Calcium	315.89	0.0000780	0.0000000	-0.0000170	0.0000710	
Chromium	267.72	0.0000050	-0.0000020	0.0000120	0.0000000	
Cobalt	228.62	-0.0000120	-0.0000060	-0.0000250	-0.0000020	
Copper	324.75	-0.0000030	-0.0000020	-0.0000040	0.0000110	
Iron	259.94	0.0000180	-0.0000120	0.0000000	-0.0000030	
Lead	220.35	0.0001100	-0.0000010	0.0000180	-0.0000010	
Magnesium	279.08	-0.0000540	-0.0000280	0.0000190	0.0000000	
Manganese	257.61	-0.0000030	-0.0000020	-0.0000080	0.0000020	
Mercury						
Nickel	231.60	-0.0000130	-0.0000050	-0.0000240	-0.0000020	
Potassium	766.49	-0.0012590	-0.0007040	-0.0028490	-0.0002350	
Selenium	196.09	-0.0000200	0.0000000	-0.0000290	-0.0000010	
Silver	328.07	-0.0000040	-0.0000020	-0.0000090	-0.0000010	
Sodium	589.59	-0.0006160	-0.0005220	-0.0020960	-0.0001600	
Thallium	190.86	-0.0000060	-0.0000040	-0.0000050	-0.0000010	
Vanadium	292.40	-0.0000050	-0.0000030	0.0000100	-0.0000020	
Zinc	206.20	0.0002750	0.0000030	-0.0007990	-0.0000040	

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	-0.0022950	-0.0018570
Antimony	206.83	0.0000000	0.0000000	0.0000000	-0.0003900	-0.0000120
Arsenic	189.04	0.0000000	0.0000000	0.0000210	-0.0001780	-0.0001730
Barium	455.40	0.0000000	0.0000000	0.0000000	-0.0002050	-0.0002030
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000860
Cadmium	214.44	0.0000000	0.0000000	0.0000000	-0.0002090	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	-0.0020880	-0.0018790
Chromium	267.72	0.0000000	0.0000000	0.0000000	-0.0002010	-0.0003100
Cobalt	228.62	0.0000000	0.0000000	0.0000000	-0.0004810	-0.0004970
Copper	324.75	0.0000000	0.0000000	0.0000000	-0.0002330	-0.0002260
Iron	259.94	0.0000000	0.0000000	0.0000000	-0.0012310	-0.0009570
Lead	220.35	0.0000000	0.0000000	0.0000000	-0.0001700	-0.0001850
Magnesium	279.08	0.0000000	0.0000000	0.0000000	-0.0022440	-0.0017830
Manganese	257.61	0.0000000	0.0000000	0.0000000	-0.0001950	-0.0002020
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	-0.0005490	-0.0005200
Potassium	766.49	0.0000000	0.0000000	0.0000000	-0.0522980	-0.0517110
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000060	0.0000030
Silver	328.07	0.0000000	0.0000000	0.0000000	-0.0001740	-0.0001560
Sodium	589.59	0.0000000	0.0000000	0.0000000	-0.0417330	-0.0407400
Thallium	190.86	0.0000000	0.0000000	0.0000000	-0.0002650	-0.0002240
Vanadium	292.40	0.0000000	0.0000000	0.0000000	-0.0002090	-0.0002040
Zinc	206.20	0.0000000	0.0000000	0.0000000	-0.0000320	-0.0009250

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	-0.0020320	-0.0005350	-0.0005960	0.0000000	-0.0003930
Antimony	206.83	0.0049920	-0.0001600	-0.0001410	0.0000000	-0.0001780
Arsenic	189.04	0.0002670	-0.0001290	-0.0000570	0.0000000	-0.0000030
Barium	455.40	-0.0002000	-0.0000500	-0.0000660	0.0000000	-0.0000350
Beryllium	313.40	-0.0000900	-0.0000220	-0.0000300	0.0000000	-0.0000110
Cadmium	214.44	-0.0000290	-0.0000520	-0.0000680	0.0000000	-0.0000270
Calcium	315.89	-0.0020720	0.0009940	-0.0005720	0.0000000	-0.0000920
Chromium	267.72	0.0000000	-0.0000480	-0.0000690	0.0000000	0.0001140
Cobalt	228.62	-0.0005870	0.0000000	-0.0001660	0.0000000	-0.0000740
Copper	324.75	-0.0002130	-0.0000490	0.0000000	0.0000000	0.0000300
Iron	259.94	-0.0010370	-0.0002940	-0.0003760	0.0000000	-0.0001890
Lead	220.35	-0.0001960	-0.0003260	0.0002710	0.0000000	0.0000640
Magnesium	279.08	-0.0024620	-0.0005640	-0.0008730	0.0000000	-0.0069760
Manganese	257.61	-0.0002060	-0.0000480	-0.0000750	0.0000000	0.0000000
Mercury						
Nickel	231.60	-0.0005230	-0.0002210	-0.0001810	0.0000000	-0.0000730
Potassium	766.49	-0.0512430	-0.0126240	-0.0178480	0.0000000	-0.0089880
Selenium	196.09	-0.0000520	0.0000530	-0.0000240	0.0000000	0.0003780
Silver	328.07	-0.0001430	-0.0000370	-0.0000450	0.0000000	0.0001940
Sodium	589.59	-0.0407180	-0.0097580	-0.0137660	0.0000000	-0.0070470
Thallium	190.86	-0.0000390	0.0020440	-0.0000840	-0.0000200	0.0003990
Vanadium	292.40	-0.0002210	-0.0000500	-0.0000650	0.0000000	0.0001060
Zinc	206.20	-0.0012900	0.0000070	0.0003430	0.0001200	-0.0001520

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	0.0001500	0.0000000	-0.0004550	0.0000000	0.0038670
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000380	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Lead	220.35	0.0001750	0.0000000	0.0002100	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	-0.0000350	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000100	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0017890	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	0.0000000	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	0.0000000	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0000000	0.0000000		
Vanadium	292.40	0.0011610	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

Linear Dynamic Range Summary (ICP)

Last Updated
5/14/2019

	High Cal Standard	Lowest LDR	90% Limit *	Trace 4	Trace 5	Trace 6	Trace 7
				5/12/2016	3/20/2018	12/28/2016	4/12/2016
Aluminum	25	700	630	5000	1000	750	700
Antimony	1	5	4.5	25	100	100	5
Arsenic	1	50	45	100	50	100	100
Barium	1	15	13.5	100	100	20	15
Beryllium	1	10	9	50	10	10	10
Boron	1	10	9	500	100	10	50
Cadmium	1	10	9	25	50	10	100
Calcium	10	100	90	500	100	750	1000
Chromium	1	10	9	50	100	10	50
Cobalt	1	25	22.5	100	50	100	25
Copper	1	50	45	100	100	50	100
Iron	25	100	90	750	100	500	500
Lead	1	100	90	500	100	100	100
Magnesium	10	500	450	500	1000	750	1000
Manganese	1	100	90	100	100	100	100
Molybdenum	1	10	9	100	50	10	25
Nickel	1	25	22.5	100	100	50	25
Potassium	25	750	675	1000	1000	750	1000
Selenium	1	25	22.5	100	100	100	25
Silica	10	25	22.5	50	100	25	
Silver	1	10	9	100	100	10	15
Sodium	25	450	405	1000	1000	500	450
Strontium	1	2	1.8	50	100	2	10
Thallium	1	25	22.5	200	100	100	25
Tin	1	15	13.5	100	200	15	25
Titanium	1	10	9	100	100	10	100
Vanadium	1	100	90	100	100	100	100
Zinc	1	25	22.5	50	100	50	25

All values are in mg/l (ppm)
* Results above this value must be diluted

Form 12
Preparation Log

Client	:	**Langan Engineering & Environmental**	**Lab Number**	:	**L2051957**
Project Name	:	**266-270 W. 96TH STREET**	**Project Number**	:	**170432001**
Matrix	:	**SOIL**	**Prep Method**	:	**EPA 3050B**

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2051957-01	12/08/20 16:45	1.30	-
L2051957-02	12/08/20 16:45	1.32	-
WG1442060-1	12/08/20 16:45	1.25	-
WG1442060-2	12/08/20 16:45	0.39	-
WG1442060-3	12/08/20 16:45	1.30	-
WG1442060-4	12/08/20 16:45	1.31	-

Form 13
Analysis Run Log

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: TRACE7	**Analysis Method**	: 1,6010D
Start Date	: 12/08/20 08:09	**End Date**	: 12/08/20 22:06

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total
R1380178-1 ICV	1	08:09:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-2 ICB	1	08:14:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-3 ICSA	1	08:34:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-4 CCV	1	08:44:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-5 CCB	1	08:48:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-6 CCV	1	09:01:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-7 CCB	1	09:05:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-8 CCV	1	10:02:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-9 CCB	1	10:06:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-10 CCV	1	10:57:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-11 CCB	1	11:01:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-12 CCV	1	11:06:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-13 CCB	1	11:11:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-14 CCV	1	12:02:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-15 CCB	1	12:07:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-16 CCV	1	12:46:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-17 CCB	1	12:50:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-18 CCV	1	13:43:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-19 CCB	1	13:48:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-20 CCV	1	14:40:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-21 CCB	1	14:44:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-23 ICV	1	16:07:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-24 ICB	1	16:11:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-25 CCV	1	17:15:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-26 CCB	1	17:19:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-27 CCV	1	18:14:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-28 CCB	1	18:18:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Form 13
Analysis Run Log

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: TRACE7	**Analysis Method**	: 1,6010D
Start Date	: 12/08/20 08:09	**End Date**	: 12/08/20 22:06

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total
R1380178-29 CCV	1	19:13:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-30 CCB	1	19:17:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-31 CCV	1	19:48:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-32 CCB	1	19:53:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-33 ICV	1	21:00:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-34 ICB	1	21:04:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG1442060-1 BLANK	1	21:21:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG1442060-2 LCS	2	21:25:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG1442060-3 MS	2	21:34:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG1442060-4 DUP	2	21:39:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2051957-01	2	21:48:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2051957-02	2	21:52:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-35 CCV	1	22:02:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1380178-36 CCB	1	22:06:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Date Created: 11/04/16
Created By: Jason Hebert
File: PM2960-2
Page: 1

METALS by 200.7, 6010C (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Aluminum	7429-90-5	0.1	0.0318	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Antimony	7440-36-0	0.05	0.0071	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Arsenic	7440-38-2	0.005	0.0019	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Barium	7440-39-3	0.01	0.0021	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Beryllium	7440-41-7	0.005	0.0009	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Cadmium	7440-43-9	0.005	0.001	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Calcium	7440-70-2	0.1	0.035	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Chromium	7440-47-3	0.01	0.0021	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Cobalt	7440-48-4	0.02	0.0017	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Copper	7440-50-8	0.01	0.0022	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Iron	7439-89-6	0.05	0.009	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Lead	7439-92-1	0.01	0.0027	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Magnesium	7439-95-4	0.1	0.0153	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Manganese	7439-96-5	0.01	0.0016	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Nickel	7440-02-0	0.025	0.0024	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Potassium	7440-09-7	2.5	0.237	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Selenium	7782-49-2	0.01	0.0035	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Silver	7440-22-4	0.007	0.0028	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Sodium	7440-23-5	2	0.12	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Thallium	7440-28-0	0.02	0.0025	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Vanadium	7440-62-2	0.01	0.002	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Zinc	7440-66-6	0.05	0.0021	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

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Page: 1

METALS by 6010C (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Aluminum, Total	7429-90-5	4	1.08	mg/kg	48-151		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Antimony, Total	7440-36-0	2	0.152	mg/kg	1-208		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Arsenic, Total	7440-38-2	0.4	0.0832	mg/kg	79-121		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Barium, Total	7440-39-3	0.4	0.0696	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Beryllium, Total	7440-41-7	0.2	0.0132	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Cadmium, Total	7440-43-9	0.4	0.0392	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Calcium, Total	7440-70-2	4	1.4	mg/kg	81-119		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Chromium, Total	7440-47-3	0.4	0.0384	mg/kg	80-120		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Cobalt, Total	7440-48-4	0.8	0.0664	mg/kg	84-115		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Copper, Total	7440-50-8	0.4	0.1032	mg/kg	81-118		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Iron, Total	7439-89-6	2	0.3612	mg/kg	45-155		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Lead, Total	7439-92-1	2	0.1072	mg/kg	81-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Magnesium, Total	7439-95-4	4	0.616	mg/kg	76-124		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Manganese, Total	7439-96-5	0.4	0.0636	mg/kg	81-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Nickel, Total	7440-02-0	1	0.0968	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Potassium, Total	7440-09-7	100	5.76	mg/kg	71-129		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Selenium, Total	7782-49-2	0.8	0.1032	mg/kg	78-122		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Silver, Total	7440-22-4	0.4	0.1132	mg/kg	75-124		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Sodium, Total	7440-23-5	80	1.26	mg/kg	72-127		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Thallium, Total	7440-28-0	0.8	0.126	mg/kg	80-120		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Vanadium, Total	7440-62-2	0.4	0.0812	mg/kg	78-122		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Zinc, Total	7440-66-6	2	0.1172	mg/kg	82-118		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Sample Name: Std 0 Acquired: 12/8/2020 7:51:21 Type: Cal

Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: IR Corr. Factor: 1.000000

User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:

Comment:

REVIEWED
By dmorisseau at 9:58 am, Dec 09, 2020

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**.0005**	**-.0001**	**.0002**	**-.0005**	**.0015**	**.0005**	**.0003**	**-.0001**	**.0010**
Stddev	.0001	.0002	.0001	.0001	.0004	.0000	.0001	.0001	.0000	.0001
%RSD	80.30	28.25	149.1	47.11	85.41	2.943	28.24	46.97	34.27	8.101
#1	-.0003	.0007	-.0002	.0003	-.0001	.0015	.0004	.0004	-.0001	.0011
#2	-.0001	.0004	.0001	.0001	-.0004	.0016	.0005	.0001	-.0002	.0009
#3	-.0001	.0006	-.0001	.0002	-.0009	.0015	.0007	.0004	-.0001	.0010

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**.0080**	**.0001**	**.0007**	**-.0001**	**.0001**	**.0006**	**-.0017**	**.0012**	**-.0005**
Stddev	.0001	.0001	.0001	.0004	.0002	.0001	.0001	.0005	.0001	.0002
%RSD	32.01	.8039	66.44	53.81	304.0	92.76	25.88	28.17	12.20	40.87
#1	-.0001	.0079	.0001	.0004	-.0002	-.0000	.0007	-.0020	.0011	-.0003
#2	-.0002	.0080	.0001	.0007	-.0000	.0002	.0005	-.0019	.0011	-.0004
#3	-.0002	.0080	.0002	.0012	.0001	.0002	.0004	-.0011	.0013	-.0007

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**.0002**	**.0054**	**.0004**	**-.0004**	**-.0003**	**-.0000**	**-.0000**	**.0014**
Stddev	.0002	.0001	.0063	.0001	.0002	.0000	.0001	.0001	.0002
%RSD	248.6	76.41	117.1	40.24	47.43	2.755	392.6	245.7	13.49
#1	-.0000	.0003	.0018	.0002	-.0003	-.0004	-.0002	.0000	.0015
#2	-.0003	.0001	.0017	.0005	-.0003	-.0004	.0001	-.0001	.0012
#3	.0001	.0001	.0127	.0004	-.0006	-.0003	.0000	.0000	.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4905.4**	**69840.**	**17961.**
Stddev	11.6	253.	86.
%RSD	.23728	.36267	.47928
#1	4915.9	70069.	17883.
#2	4907.5	69883.	18054.
#3	4892.9	69568.	17946.

Sample Name: ICAL Acquired: 12/8/2020 7:56:04 Type: Cal
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: IR Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.3468**	**.0370**	**.1018**	**.5305**	**2.514**	**1.984**	**-.0005**	**.0423**	**4.926**	**1.130**
Stddev	.0002	.0003	.0006	.0046	.005	.008	.0001	.0002	.039	.010
%RSD	.0450	.8903	.5900	.8714	.1850	.4115	21.77	.4073	.7894	.8745
#1	.3466	.0373	.1012	.5266	2.515	1.983	-.0004	.0425	4.898	1.123
#2	.3468	.0369	.1018	.5292	2.519	1.992	-.0005	.0422	4.909	1.126
#3	.3469	.0367	.1024	.5356	2.509	1.976	-.0006	.0422	4.971	1.141

Elem	Cr2677	Cu3247	Fe2599	Mg2790	Mn2576R	Mo2020	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1152**	**.4086**	**.0511**	**.0788**	**.3429**	**.7782**	**.8068**	**.3014**	**.1137**	**.1199**
Stddev	.0001	.0019	.0001	.0002	.0015	.0155	.0068	.0022	.0024	.0011
%RSD	.0826	.4617	.1965	.2348	.4380	1.985	.8474	.7360	2.085	.9152
#1	.1153	.4071	.0511	.0790	.3427	.7636	.8026	.3002	.1114	.1190
#2	.1151	.4081	.0512	.0787	.3445	.7766	.8031	.3000	.1135	.1196
#3	.1153	.4107	.0510	.0787	.3416	.7943	.8147	.3039	.1161	.1211

Elem	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1088**	**.1907**	**2.733**	**.2970**	**.1292**	**.2327**	**1.513**
Stddev	.0007	.0024	.005	.0002	.0011	.0003	.011
%RSD	.6043	1.237	.1959	.0817	.8411	.1196	.7237
#1	.1083	.1886	2.739	.2968	.1282	.2329	1.506
#2	.1086	.1902	2.728	.2971	.1289	.2329	1.507
#3	.1095	.1933	2.733	.2972	.1303	.2324	1.526

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4815.4**	**68205.**	**18071.**
Stddev	33.2	147.	21.
%RSD	.68932	.21547	.11400
#1	4841.2	68105.	18049.
#2	4827.2	68373.	18073.
#3	4778.0	68136.	18090.

Sample Name: Std Al Fe K Na Si Acquired: 12/8/2020 8:00:26 Type: Cal
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: IR Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Fe2599	K_7664	Na5895	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.269**	**.5688**	**1.820**	**1.744**
Stddev	.003	.0006	.004	.004
%RSD	.2179	.1100	.2206	.2507
#1	1.271	.5693	1.822	1.743
#2	1.269	.5690	1.822	1.741
#3	1.266	.5681	1.815	1.749

Int. Std.	Y_2243	Y_3710
Units	Cts/S	Cts/S
Avg	**4744.1**	**17747.**
Stddev	12.7	35.
%RSD	.26671	.19877
#1	4736.3	17726.
#2	4758.7	17788.
#3	4737.3	17727.

Sample Name: Std Ca Mg Si Acquired: 12/8/2020 8:05:06 Type: Cal
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: IR Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ca3158	Mg2790	Si2124
Units	Cts/S	Cts/S	Cts/S
Avg	**.4247**	**.7732**	**.8690**
Stddev	.0010	.0025	.0022
%RSD	.2279	.3232	.2558
#1	.4254	.7741	.8666
#2	.4251	.7752	.8694
#3	.4236	.7704	.8710

Int. Std.	Y_2243	Y_3710
Units	Cts/S	Cts/S
Avg	**4758.5**	**18002.**
Stddev	18.9	18.
%RSD	.39764	.10251
#1	4780.2	17991.
#2	4750.3	17991.
#3	4745.1	18023.

Sample Name: ICV Acquired: 12/8/2020 8:09:50 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5027**	**.4878**	**.4998**	**.4870**	**.4946**	**.4928**	**.4414**	**.4899**	**.4821**	**.4863**
Stddev	.0005	.0143	.0024	.0011	.0006	.0016	.1061	.0025	.0001	.0001
%RSD	.1091	2.926	.4787	.2321	.1310	.3230	24.04	.5134	.0308	.0233
#1	.5023	.5036	.4977	.4863	.4949	.4945	.5089	.4927	.4819	.4862
#2	.5034	.4760	.5024	.4883	.4938	.4925	.4963	.4881	.4822	.4863
#3	.5026	.4838	.4994	.4863	.4949	.4913	.3191	.4888	.4822	.4864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4936**	**.4974**	**.4875**	**5.058**	**.5075**	**.4824**	**.5110**	**9.726**	**.4870**	**.4840**
Stddev	.0010	.0012	.0020	.016	.0017	.0024	.0021	.008	.0004	.0016
%RSD	.1929	.2383	.4081	.3187	.3363	.4949	.4020	.0847	.0735	.3222
#1	.4939	.4978	.4874	5.072	.5093	.4847	.5088	9.729	.4867	.4827
#2	.4943	.4983	.4857	5.062	.5073	.4824	.5114	9.731	.4874	.4834
#3	.4925	.4960	.4896	5.040	.5059	.4800	.5129	9.716	.4870	.4857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5220**	**.4822**	**5.174**	**.5125**	**.4983**	**.5013**	**.4896**	**.4933**	**.4933**
Stddev	.0061	.0009	.009	.0005	.0009	.0001	.0008	.0010	.0003
%RSD	1.167	.1918	.1790	.0973	.1837	.0203	.1598	.2083	.0639
#1	.5154	.4814	5.176	.5120	.4975	.5013	.4889	.4935	.4931
#2	.5232	.4832	5.182	.5130	.4993	.5013	.4894	.4921	.4930
#3	.5274	.4821	5.164	.5124	.4981	.5015	.4904	.4942	.4936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4775.6**	**66664.**	**17958.**
Stddev	6.5	99.	52.
%RSD	.13662	.14799	.29104
#1	4771.8	66582.	17900.
#2	4771.9	66773.	17970.
#3	4783.2	66636.	18003.

Sample Name: ICB Acquired: 12/8/2020 8:14:17 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0086**	**.0006**	**.0002**	**-.0000**	**-.0000**	**-.0294**	**-.0021**	**.0000**	**-.0001**
Stddev	.0002	.0084	.0007	.0002	.0001	.0001	.0623	.0049	.0000	.0002
%RSD	74.11	98.36	116.4	157.4	347.6	278.8	211.8	228.4	48.98	245.5
#1	.0001	.0172	-.0002	.0004	-.0002	.0000	-.0384	-.0006	.0000	.0001
#2	.0003	.0082	.0008	.0001	.0001	-.0001	.0369	-.0076	.0000	.0000
#3	.0005	.0003	.0010	-.0001	.0000	-.0000	-.0868	.0018	.0000	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0041**	**-.0007**	**-.0045**	**.0019**	**.0001**	**.0026**	**-.0015**	**-.0001**	**.0001**
Stddev	.0003	.0001	.0009	.0139	.0017	.0002	.0005	.0018	.0001	.0012
%RSD	218.0	3.111	120.9	310.9	90.34	201.6	19.96	126.4	59.24	1109.
#1	-.0003	.0041	-.0015	-.0198	.0000	.0000	.0031	.0007	-.0001	-.0009
#2	.0002	.0040	-.0010	.0076	.0034	-.0000	.0025	-.0027	-.0002	-.0003
#3	-.0003	.0043	.0003	-.0013	.0024	.0003	.0021	-.0023	-.0001	.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0089**	**-.0019**	**-.0222**	**.0018**	**-.0001**	**.0005**	**-.0004**	**.0001**	**.0001**
Stddev	.0008	.0016	.0004	.0006	.0001	.0002	.0003	.0002	.0000
%RSD	9.036	83.81	1.663	32.91	133.3	45.79	74.22	181.4	46.37
#1	.0094	-.0017	-.0224	.0025	.0000	.0003	-.0005	.0002	.0001
#2	.0080	-.0035	-.0218	.0013	-.0001	.0007	-.0001	.0003	.0001
#3	.0093	-.0004	-.0224	.0018	-.0001	.0004	-.0005	-.0001	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4797.6**	**67317.**	**18138.**
Stddev	8.3	295.	33.
%RSD	.17283	.43855	.18193
#1	4801.2	67044.	18131.
#2	4803.5	67276.	18109.
#3	4788.2	67630.	18174.

Sample Name: 0.005 Acquired: 12/8/2020 8:19:01 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: Custom ID2: Trace7 Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0055**	**-.0020**	**.0043**	**.0062**	**.0048**	**.0048**	**-.0066**	**.0006**	**.0050**	**.0049**
Stddev	.0002	.0069	.0011	.0005	.0002	.0001	.1181	.0043	.0000	.0003
%RSD	3.820	339.6	26.35	8.794	3.293	1.469	1791.	739.8	.4272	5.218
#1	.0057	.0057	.0031	.0057	.0048	.0047	.0257	.0003	.0050	.0049
#2	.0053	-.0043	.0053	.0061	.0050	.0048	.0920	-.0036	.0050	.0046
#3	.0055	-.0075	.0045	.0067	.0046	.0048	-.1374	.0050	.0051	.0051
Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	None	None	Chk Pass	None
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0049**	**.0095**	**.0055**	**.0444**	**.0060**	**.0051**	**.0057**	**.0045**	**.0050**	**.0052**
Stddev	.0005	.0003	.0012	.0110	.0031	.0005	.0002	.0098	.0001	.0005
%RSD	11.19	3.197	21.61	24.76	52.21	9.572	3.841	218.5	1.823	8.693
#1	.0045	.0092	.0049	.0570	.0029	.0055	.0057	.0158	.0049	.0047
#2	.0046	.0095	.0068	.0373	.0059	.0053	.0059	-.0009	.0051	.0052
#3	.0055	.0097	.0046	.0388	.0092	.0045	.0054	-.0014	.0050	.0056
Check ?	None	None	None	None	None	None	None	None	None	None
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0096**	**.0039**	**-.0170**	**.0051**	**.0050**	**.0050**	**.0040**	**.0052**	**.0053**
Stddev	.0010	.0016	.0009	.0002	.0001	.0005	.0008	.0001	.0001
%RSD	10.71	41.40	5.389	3.749	2.411	9.040	19.63	2.627	2.108
#1	.0091	.0038	-.0180	.0050	.0051	.0053	.0031	.0051	.0054
#2	.0108	.0024	-.0161	.0049	.0049	.0045	.0044	.0053	.0052
#3	.0090	.0057	-.0170	.0053	.0051	.0052	.0044	.0052	.0053
Check ?	None	None	None	None	None	None	None	None	None
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4828.2**	**67563.**	**18284.**
Stddev	23.7	363.	106.
%RSD	.49044	.53709	.57931
#1	4848.5	67978.	18374.
#2	4834.0	67401.	18311.
#3	4802.2	67309.	18167.

Sample Name: 0.01 Acquired: 12/8/2020 8:25:12 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: Custom ID2: Trace7 Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0107**	**.0124**	**.0092**	**.0102**	**.0097**	**.0097**	**.0103**	**.0107**	**.0103**	**.0103**
Stddev	.0005	.0055	.0009	.0003	.0001	.0000	.0316	.0019	.0000	.0002
%RSD	4.240	44.06	10.08	3.235	.8510	.4826	306.5	17.65	.4559	2.116
#1	.0112	.0135	.0081	.0099	.0096	.0097	-.0006	.0087	.0102	.0101
#2	.0106	.0065	.0096	.0101	.0098	.0097	.0460	.0111	.0103	.0102
#3	.0103	.0173	.0099	.0106	.0098	.0097	-.0144	.0124	.0103	.0105
Check ?	None	None	None	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass
Value										
Range										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0102**	F **.0158**	**.0102**	**.0950**	**.0104**	**.0104**	**.0098**	**.0059**	**.0103**	**.0101**
Stddev	.0003	.0003	.0006	.0086	.0031	.0002	.0000	.0017	.0001	.0010
%RSD	2.847	1.680	6.155	9.051	30.11	1.501	.4600	28.89	.8044	9.520
#1	.0105	.0156	.0105	.1021	.0082	.0104	.0097	.0065	.0104	.0105
#2	.0100	.0158	.0106	.0975	.0140	.0102	.0098	.0039	.0103	.0090
#3	.0101	.0161	.0095	.0854	.0090	.0106	.0098	.0071	.0103	.0108
Check ?	Chk Pass	Chk Fail	None	None	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value		.0131								
Range		.0070								

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0096**	W **.0077**	**-.0180**	**.0088**	**.0101**	**.0101**	**.0100**	**.0104**	**.0097**
Stddev	.0005	.0005	.0006	.0000	.0000	.0002	.0010	.0001	.0000
%RSD	5.503	6.776	3.550	.1217	.4631	2.468	9.670	1.348	.4641
#1	.0098	.0072	-.0176	.0089	.0102	.0103	.0103	.0104	.0097
#2	.0100	.0082	-.0176	.0089	.0101	.0101	.0109	.0105	.0098
#3	.0090	.0076	-.0187	.0088	.0101	.0098	.0090	.0102	.0097
Check ?	None	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value		.0121							
Range		.0080							

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4701.1**	**66510.**	**18393.**
Stddev	37.2	689.	119.
%RSD	.79070	1.0360	.64867
#1	4741.8	67252.	18528.
#2	4692.6	66390.	18346.
#3	4668.9	65889.	18304.

Sample Name: 0.05 Acquired: 12/8/2020 8:29:52 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: Custom ID2: Trace7 Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0514**	**.0460**	**.0506**	**.0487**	**.0482**	**.0479**	**-.0879**	**.0436**	**.0504**	**.0511**
Stddev	.0003	.0112	.0010	.0004	.0001	.0001	.1240	.0024	.0001	.0003
%RSD	.6110	24.40	2.054	.7369	.1617	.3001	141.2	5.437	.1913	.5680
#1	.0515	.0431	.0504	.0491	.0483	.0480	-.1871	.0423	.0503	.0512
#2	.0517	.0365	.0518	.0486	.0482	.0479	.0512	.0463	.0504	.0508
#3	.0511	.0584	.0497	.0484	.0483	.0477	-.1276	.0421	.0504	.0514
Check ?	None	Chk Pass	None	None	None	None	None	Chk Pass	None	None
Value										
Range										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0502**	**.0567**	**.0476**	**2.483**	**.0473**	**.0497**	**.0522**	**2.073**	**.0504**	**.0500**
Stddev	.0003	.0002	.0009	.014	.0008	.0005	.0002	.003	.0002	.0008
%RSD	.6728	.3075	1.916	.5813	1.658	.9873	.2915	.1553	.4076	1.630
#1	.0505	.0567	.0471	2.499	.0464	.0501	.0522	2.073	.0506	.0494
#2	.0503	.0568	.0470	2.474	.0478	.0498	.0521	2.070	.0503	.0496
#3	.0498	.0565	.0486	2.474	.0476	.0491	.0524	2.077	.0502	.0509
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	None	None
Value										
Range										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0491**	**.0481**	**.5081**	**.0499**	**.0503**	**.0506**	**.0501**	**.0511**	**.0488**
Stddev	.0017	.0006	.0024	.0004	.0002	.0006	.0006	.0002	.0002
%RSD	3.561	1.298	.4785	.7533	.3605	1.192	1.186	.3612	.3562
#1	.0497	.0475	.5060	.0495	.0505	.0508	.0508	.0511	.0486
#2	.0471	.0488	.5108	.0502	.0502	.0500	.0496	.0509	.0488
#3	.0504	.0480	.5074	.0499	.0502	.0511	.0499	.0512	.0489
Check ?	Chk Pass	None	Chk Pass	None	None	None	None	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4673.1**	**65481.**	**18193.**
Stddev	8.0	197.	89.
%RSD	.17069	.30084	.49148
#1	4682.0	65428.	18090.
#2	4666.6	65699.	18251.
#3	4670.7	65316.	18239.

Sample Name: ICSA Acquired: 12/8/2020 8:34:28 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**243.5**	**-.0037**	**.0012**	**.0004**	**.0000**	**-1.043**	**245.0**	**.0023**	**-.0004**
Stddev	.0003	.7	.0028	.0001	.0001	.0000	.316	.2	.0000	.0002
%RSD	53.46	.2865	76.27	12.02	13.09	53.25	30.28	.0816	1.767	47.22
#1	.0005	243.9	-.0060	.0011	.0003	.0000	-1.273	244.9	.0023	-.0003
#2	.0002	243.9	-.0005	.0014	.0004	.0000	-1.172	245.2	.0022	-.0005
#3	.0007	242.7	-.0047	.0012	.0004	.0000	-.6827	244.9	.0023	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0020**	**-.0098**	**91.45**	**-.0104**	**236.1**	**.0017**	**-.0009**	**.0580**	**-.0001**	**.0003**
Stddev	.0001	.0001	.24	.0171	1.0	.0001	.0000	.0029	.0006	.0027
%RSD	3.002	.6943	.2599	164.5	.4196	3.680	4.637	5.025	1107.	833.7
#1	-.0020	-.0097	91.54	-.0030	235.9	.0017	-.0010	.0608	.0004	.0006
#2	-.0020	-.0098	91.63	.0018	237.2	.0017	-.0009	.0582	-.0007	-.0025
#3	-.0021	-.0098	91.18	-.0299	235.3	.0016	-.0009	.0550	.0002	.0029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0052**	**.0007**	**-.0157**	**.0030**	F **.0127**	**.0024**	**.0017**	**.0015**	**.0018**
Stddev	.0016	.0022	.0009	.0012	.0001	.0002	.0014	.0003	.0001
%RSD	31.04	309.0	5.764	38.84	.4952	9.484	82.02	17.37	5.715
#1	.0044	.0028	-.0167	.0043	.0127	.0023	.0023	.0013	.0017
#2	.0042	.0008	-.0150	.0026	.0127	.0027	.0028	.0018	.0018
#3	.0071	-.0015	-.0155	.0021	.0126	.0022	.0001	.0014	.0018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.0100				
Low Limit					-.0200				

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4243.1**	**57970.**	**17497.**
Stddev	9.7	130.	54.
%RSD	.22965	.22478	.30611
#1	4236.5	57838.	17478.
#2	4238.6	57972.	17455.
#3	4254.3	58099.	17557.

Sample Name: IPC Acquired: 12/8/2020 8:39:17 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**.0133**	**-.0049**	**-.0001**	**-.0001**	**.0012**	**-.4160**	**-.0228**	**-.0000**	**.0036**
Stddev	.0003	.0037	.0005	.0002	.0001	.0002	.1668	.0038	.0000	.0000
%RSD	19.06	27.70	10.70	353.4	162.6	13.00	40.09	16.72	38.24	1.207
#1	.0013	.0153	-.0049	.0001	-.0002	.0010	-.3532	-.0184	-.0000	.0036
#2	.0013	.0154	-.0055	-.0000	.0001	.0013	-.2897	-.0252	-.0000	.0035
#3	.0018	.0090	-.0044	-.0003	-.0001	.0011	-.6050	-.0249	-.0000	.0036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.33**	**.0041**	**.0186**	**.0139**	**-.0001**	**9.641**	**-.0014**	**.0103**	**-.0000**	**-.0010**
Stddev	.02	.0007	.0013	.0228	.0009	.006	.0002	.0048	.0001	.0006
%RSD	.1671	16.33	7.066	164.2	1045.	.0672	14.47	46.21	240.5	59.32
#1	10.32	.0044	.0198	.0241	.0002	9.648	-.0017	.0143	-.0000	-.0006
#2	10.31	.0034	.0172	.0298	.0006	9.637	-.0013	.0116	.0000	-.0007
#3	10.34	.0047	.0187	-.0122	-.0011	9.638	-.0013	.0051	-.0001	-.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0333**	**.0036**	**-.0076**	**-.0000**	**-.0002**	**.0019**	**-.0108**	**10.71**	**-.0016**
Stddev	.0021	.0008	.0010	.0004	.0001	.0003	.0016	.03	.0001
%RSD	6.270	22.58	12.93	863.4	30.72	14.33	14.75	.2996	5.403
#1	-.0318	.0042	-.0081	.0004	-.0003	.0022	-.0098	10.72	-.0015
#2	-.0357	.0027	-.0082	-.0004	-.0003	.0016	-.0126	10.67	-.0017
#3	-.0325	.0040	-.0065	-.0001	-.0002	.0019	-.0099	10.74	-.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4639.5**	**65065.**	**18391.**
Stddev	7.4	445.	51.
%RSD	.15853	.68438	.27982
#1	4632.9	65035.	18425.
#2	4638.2	65525.	18332.
#3	4647.5	64636.	18416.

Sample Name: CCV Acquired: 12/8/2020 8:44:00 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5204**	**.4833**	**.5062**	**.4928**	**.4744**	**.4736**	**.4482**	**.4799**	**.4863**	**.4937**
Stddev	.0022	.0033	.0027	.0015	.0011	.0013	.1504	.0010	.0011	.0012
%RSD	.4207	.6898	.5390	.3039	.2227	.2764	33.55	.2081	.2323	.2385
#1	.5179	.4849	.5031	.4913	.4732	.4727	.4347	.4798	.4852	.4925
#2	.5214	.4856	.5072	.4929	.4752	.4751	.3050	.4789	.4862	.4940
#3	.5220	.4795	.5083	.4943	.4749	.4729	.6049	.4809	.4875	.4948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4926**	**.5075**	**.4720**	**4.963**	**.4789**	**.4675**	**.5121**	**9.616**	**.4879**	**.4872**
Stddev	.0024	.0013	.0026	.053	.0013	.0013	.0038	.006	.0018	.0023
%RSD	.4818	.2642	.5466	1.069	.2738	.2682	.7435	.0643	.3602	.4722
#1	.4904	.5070	.4696	4.942	.4794	.4680	.5085	9.609	.4874	.4851
#2	.4951	.5090	.4748	5.023	.4774	.4683	.5116	9.618	.4865	.4870
#3	.4921	.5064	.4717	4.923	.4798	.4660	.5161	9.621	.4899	.4897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5240**	**.4870**	**5.241**	**.5171**	**.4929**	**.5040**	**.4954**	**.5004**	**.4919**
Stddev	.0091	.0007	.015	.0023	.0008	.0009	.0015	.0013	.0009
%RSD	1.730	.1342	.2859	.4414	.1687	.1776	.3095	.2566	.1866
#1	.5149	.4870	5.231	.5151	.4932	.5030	.4947	.4998	.4913
#2	.5240	.4863	5.233	.5166	.4935	.5047	.4944	.5019	.4915
#3	.5330	.4876	5.258	.5196	.4919	.5042	.4972	.4995	.4930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4637.4**	**63961.**	**18298.**
Stddev	20.0	329.	67.
%RSD	.43035	.51425	.36880
#1	4625.8	63974.	18344.
#2	4660.4	64284.	18329.
#3	4625.9	63626.	18220.

Sample Name: CCB Acquired: 12/8/2020 8:48:27 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0015**	**-.0004**	**.0004**	**.0000**	**-.0000**	**.0037**	**-.0052**	**.0000**	**-.0001**
Stddev	.0001	.0029	.0014	.0003	.0002	.0001	.0923	.0023	.0000	.0001
%RSD	19.30	199.7	360.9	68.26	555.8	184.5	2503.	44.61	41.31	76.25
#1	.0005	-.0017	.0011	.0005	.0002	-.0000	-.0301	-.0030	.0000	-.0002
#2	.0004	.0041	-.0015	.0001	-.0002	-.0001	.1081	-.0049	.0001	-.0000
#3	.0004	.0019	-.0007	.0006	.0002	.0000	-.0670	-.0076	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0076**	**.0019**	**.0021**	**.0013**	**.0004**	**.0020**	**.0029**	**-.0001**	**-.0002**
Stddev	.0004	.0004	.0015	.0279	.0003	.0002	.0005	.0091	.0001	.0015
%RSD	261.3	5.050	76.84	1303.	21.42	52.05	23.20	309.1	96.00	625.5
#1	-.0003	.0075	.0035	-.0288	.0011	.0003	.0025	.0106	-.0000	.0013
#2	.0005	.0073	.0018	.0253	.0016	.0006	.0019	-.0071	-.0001	-.0018
#3	.0002	.0080	.0005	.0099	.0012	.0002	.0016	.0053	-.0003	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0070**	**-.0004**	**-.0229**	**.0018**	**-.0001**	**.0003**	**-.0014**	**.0001**	**-.0000**
Stddev	.0011	.0010	.0010	.0004	.0001	.0000	.0008	.0001	.0001
%RSD	16.26	228.2	4.314	19.75	68.04	6.791	56.37	246.3	514.6
#1	.0082	-.0013	-.0240	.0021	-.0001	.0003	-.0021	-.0001	.0001
#2	.0059	.0006	-.0228	.0014	-.0000	.0003	-.0006	.0000	-.0000
#3	.0070	-.0006	-.0220	.0018	-.0002	.0003	-.0013	.0002	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4638.1**	**64533.**	**18308.**
Stddev	12.6	261.	44.
%RSD	.27188	.40484	.24204
#1	4651.3	64807.	18356.
#2	4626.2	64287.	18301.
#3	4636.8	64504.	18268.

Sample Name: 0.01 Acquired: 12/8/2020 8:55:30 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0122**	**-.0035**	**.0098**	**.0105**	**.0104**	**.0104**	F **-.1287**	**.0250**	**.0109**	**.0109**
Stddev	.0002	.0066	.0008	.0006	.0002	.0002	.2035	.0032	.0004	.0005
%RSD	1.764	188.7	8.529	5.367	1.754	1.518	158.0	13.02	3.775	4.920
#1	.0124	.0035	.0089	.0107	.0102	.0102	-.2165	.0230	.0114	.0116
#2	.0121	-.0045	.0106	.0110	.0105	.0105	.1039	.0287	.0109	.0107
#3	.0120	-.0095	.0099	.0099	.0104	.0103	-.2735	.0232	.0105	.0105
Check ?	None	None	None	Chk Pass	Chk Pass	None	Chk Fail	None	None	Chk Pass
Value							.0131			
Range							.0070			

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0108**	F **.0193**	**.0093**	**.0822**	**.0110**	**.0109**	**.0104**	**.0131**	**.0107**	**.0111**
Stddev	.0005	.0007	.0027	.0076	.0031	.0002	.0003	.0147	.0002	.0020
%RSD	4.436	3.530	28.74	9.290	28.25	1.416	2.793	112.1	1.964	18.37
#1	.0103	.0188	.0078	.0746	.0079	.0108	.0108	-.0021	.0108	.0132
#2	.0113	.0191	.0077	.0821	.0110	.0110	.0102	.0142	.0109	.0092
#3	.0109	.0201	.0124	.0898	.0141	.0110	.0104	.0272	.0105	.0108
Check ?	Chk Pass	Chk Fail	None	None	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value		.0131								
Range		.0070								

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0106**	**.0088**	**-.0202**	**.0089**	**.0110**	**.0116**	**.0097**	**.0114**	**.0109**
Stddev	.0002	.0017	.0008	.0004	.0002	.0006	.0009	.0004	.0005
%RSD	2.123	19.81	3.719	4.521	1.471	5.153	9.517	3.561	4.591
#1	.0108	.0108	-.0201	.0092	.0110	.0112	.0093	.0113	.0114
#2	.0103	.0077	-.0195	.0091	.0112	.0113	.0107	.0110	.0108
#3	.0107	.0079	-.0210	.0085	.0109	.0123	.0090	.0118	.0104
Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4667.8**	**64954.**	**18567.**
Stddev	10.0	299.	59.
%RSD	.21318	.46104	.31782
#1	4670.0	65007.	18538.
#2	4676.5	65223.	18528.
#3	4657.0	64631.	18635.

Sample Name: CCV Acquired: 12/8/2020 9:01:03 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5262**	**.4675**	**.5101**	**.4938**	**.4689**	**.4703**	**.6494**	**.4855**	**.4876**	**.4967**
Stddev	.0011	.0045	.0011	.0015	.0005	.0014	.1137	.0032	.0008	.0009
%RSD	.2136	.9580	.2188	.3083	.0966	.3014	17.50	.6497	.1734	.1890
#1	.5262	.4727	.5105	.4939	.4686	.4720	.5828	.4834	.4884	.4974
#2	.5273	.4649	.5088	.4923	.4695	.4696	.5848	.4891	.4868	.4957
#3	.5250	.4650	.5109	.4953	.4688	.4694	.7807	.4839	.4877	.4972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4944**	**.5118**	**.4632**	**4.946**	**.4748**	**.4649**	**.5149**	**9.595**	**.4890**	**.4889**
Stddev	.0013	.0011	.0026	.016	.0062	.0020	.0024	.004	.0015	.0010
%RSD	.2610	.2231	.5561	.3175	1.315	.4248	.4657	.0375	.3080	.2023
#1	.4949	.5128	.4658	4.930	.4772	.4634	.5129	9.593	.4899	.4877
#2	.4953	.5122	.4633	4.961	.4678	.4672	.5142	9.599	.4872	.4896
#3	.4929	.5106	.4606	4.947	.4796	.4642	.5176	9.593	.4898	.4893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5279**	**.4874**	**5.260**	**.5202**	**.4917**	**.5047**	**.4972**	**.5023**	**.4917**
Stddev	.0068	.0017	.008	.0019	.0005	.0007	.0023	.0010	.0003
%RSD	1.282	.3560	.1585	.3670	.0962	.1316	.4634	.1968	.0626
#1	.5213	.4856	5.268	.5186	.4914	.5043	.4998	.5034	.4918
#2	.5276	.4891	5.251	.5196	.4923	.5043	.4966	.5016	.4914
#3	.5348	.4875	5.262	.5223	.4915	.5055	.4953	.5019	.4920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4597.8**	**63409.**	**18356.**
Stddev	17.0	237.	49.
%RSD	.37015	.37349	.26914
#1	4585.6	63324.	18311.
#2	4617.3	63226.	18409.
#3	4590.6	63676.	18347.

Sample Name: CCB Acquired: 12/8/2020 9:05:31 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0125**	**-.0004**	**.0001**	**-.0001**	**-.0000**	**-.2066**	**-.0019**	**.0000**	**-.0000**
Stddev	.0002	.0094	.0012	.0000	.0001	.0001	.1911	.0026	.0000	.0001
%RSD	117.5	75.58	279.6	22.69	94.31	226.4	92.47	134.6	159.4	261.7
#1	.0005	-.0020	-.0018	.0002	-.0000	-.0000	-.2013	-.0031	-.0000	.0000
#2	-.0000	-.0204	-.0002	.0001	-.0002	.0000	-.0183	.0010	.0000	.0000
#3	.0002	-.0150	.0006	.0001	-.0001	-.0001	-.4003	-.0036	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0088**	**.0001**	**-.0059**	**.0008**	**.0000**	**.0020**	**.0045**	**-.0001**	**-.0004**
Stddev	.0004	.0001	.0005	.0222	.0022	.0001	.0002	.0042	.0003	.0004
%RSD	149.7	1.630	959.2	378.0	287.5	529.3	11.33	93.82	538.9	90.93
#1	-.0007	.0087	.0005	.0189	-.0002	.0001	.0022	.0014	-.0002	-.0003
#2	-.0004	.0090	.0001	-.0125	.0033	-.0001	.0020	.0027	-.0003	-.0001
#3	.0002	.0088	-.0005	-.0240	-.0008	.0000	.0017	.0092	.0003	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0076**	**-.0018**	**-.0246**	**.0017**	**.0001**	**.0004**	**-.0020**	**-.0001**	**-.0002**
Stddev	.0008	.0014	.0012	.0005	.0001	.0003	.0003	.0003	.0001
%RSD	10.05	81.95	4.941	26.71	117.8	82.53	13.17	458.7	74.96
#1	.0067	-.0004	-.0236	.0022	.0001	.0004	-.0022	.0001	-.0002
#2	.0081	-.0033	-.0259	.0013	.0001	.0001	-.0022	-.0004	-.0000
#3	.0079	-.0016	-.0243	.0017	-.0000	.0008	-.0017	.0001	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4613.4**	**64295.**	**18470.**
Stddev	19.1	247.	179.
%RSD	.41425	.38442	.96901
#1	4615.1	64580.	18286.
#2	4631.6	64163.	18481.
#3	4593.5	64141.	18643.

Sample Name: WG1441945-1,T Acquired: 12/8/2020 9:15:00 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0038**	**-.0006**	**.0004**	**.0000**	**.0000**	**-.0188**	**.0128**	**.0000**	**-.0001**
Stddev	.0001	.0111	.0004	.0002	.0001	.0001	.1817	.0050	.0000	.0001
%RSD	19.99	294.3	59.36	52.76	1701.	329.3	965.9	38.95	32.33	54.38
#1	.0003	.0060	-.0007	.0005	.0001	.0000	.1233	.0104	.0001	-.0002
#2	.0002	-.0015	-.0010	.0005	.0000	-.0000	-.2236	.0185	.0001	-.0002
#3	.0003	-.0158	-.0002	.0002	-.0001	.0000	.0438	.0094	.0000	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0027**	**.0089**	**.0278**	**.0245**	**.0032**	**.0020**	**-.0001**	**.0661**	**.0014**	**-.0001**
Stddev	.0004	.0005	.0011	.0297	.0024	.0002	.0002	.0041	.0003	.0002
%RSD	16.11	5.946	4.030	121.0	74.45	8.685	248.2	6.196	18.09	136.4
#1	.0024	.0095	.0266	.0470	.0029	.0018	-.0000	.0650	.0012	-.0002
#2	.0031	.0087	.0280	.0357	.0057	.0021	-.0002	.0626	.0017	-.0002
#3	.0024	.0085	.0288	-.0091	.0009	.0021	.0001	.0706	.0015	.0001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	**-.0019**	**-.0118**	**.0014**	**.0000**	**.0004**	**-.0015**	**.0002**	**.0028**
Stddev	.0003	.0002	.0012	.0001	.0001	.0001	.0005	.0002	.0001
%RSD	13.93	10.25	9.947	10.50	104.5	35.14	34.13	93.65	2.314
#1	.0027	-.0017	-.0116	.0015	.0001	.0003	-.0012	.0002	.0028
#2	.0020	-.0021	-.0107	.0012	-.0000	.0006	-.0021	.0000	.0027
#3	.0026	-.0019	-.0130	.0014	.0001	.0004	-.0012	.0004	.0029

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4577.2**	**64028.**	**18670.**
Stddev	.9	318.	69.
%RSD	.01933	.49742	.36803
#1	4576.3	63698.	18688.
#2	4578.0	64333.	18728.
#3	4577.1	64055.	18594.

Sample Name: WG1441945-2,T Acquired: 12/8/2020 9:19:44 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2848**	**43.73**	**1.289**	**.6858**	**1.686**	**1.238**	**4.445**	**33.96**	**1.054**	**.9537**
Stddev	.0007	.15	.005	.0014	.006	.006	.137	.11	.001	.0006
%RSD	.2316	.3381	.3932	.2102	.3346	.4984	3.076	.3266	.1262	.0585
#1	.2855	43.90	1.295	.6869	1.693	1.245	4.290	34.08	1.053	.9531
#2	.2847	43.69	1.285	.6863	1.685	1.235	4.496	33.90	1.054	.9537
#3	.2841	43.61	1.288	.6842	1.682	1.234	4.549	33.88	1.056	.9542

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.185**	**.4378**	**108.8**	**12.74**	**14.05**	**1.903**	**.7994**	**10.30**	**.4160**	**.9991**
Stddev	.006	.0007	.5	.02	.07	.007	.0023	.03	.0006	.0036
%RSD	.5139	.1662	.4240	.1606	.5002	.3942	.2882	.2788	.1394	.3588
#1	1.192	.4381	109.3	12.76	14.08	1.912	.7971	10.33	.4155	.9952
#2	1.180	.4369	108.6	12.73	13.97	1.900	.7993	10.27	.4158	.9996
#3	1.184	.4382	108.4	12.73	14.10	1.899	.8017	10.29	.4166	1.002

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.866**	**1.315**	**7.761**	**.6213**	**.6144**	**2.744**	**.8564**	**.5193**	**1.179**
Stddev	.004	.001	.018	.0013	.0013	.009	.0011	.0023	.001
%RSD	.2041	.1001	.2322	.2123	.2085	.3359	.1239	.4334	.1048
#1	1.867	1.316	7.775	.6200	.6154	2.752	.8576	.5217	1.178
#2	1.869	1.316	7.741	.6213	.6148	2.734	.8558	.5173	1.178
#3	1.862	1.314	7.768	.6226	.6129	2.746	.8558	.5188	1.180

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4734.5**	**65525.**	**19839.**
Stddev	6.1	158.	40.
%RSD	.12908	.24071	.19981
#1	4732.2	65461.	19883.
#2	4741.4	65409.	19827.
#3	4729.9	65705.	19807.

Sample Name: WG1441945-3,T Acquired: 12/8/2020 9:24:08 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2974**	**45.63**	**1.314**	**.6448**	**1.689**	**1.186**	**3.543**	**33.67**	**.9992**	**.9125**
Stddev	.0001	.13	.003	.0033	.001	.004	.331	.18	.0016	.0023
%RSD	.0456	.2926	.2610	.5083	.0570	.3343	9.351	.5217	.1597	.2537
#1	.2975	45.76	1.311	.6411	1.688	1.184	3.176	33.68	.9979	.9099
#2	.2972	45.64	1.315	.6457	1.690	1.191	3.633	33.84	.9987	.9132
#3	.2974	45.50	1.318	.6474	1.688	1.184	3.820	33.49	1.001	.9144

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.177**	**.4485**	**112.2**	**13.30**	**14.60**	**1.921**	**.8143**	**10.45**	**.4032**	**1.029**
Stddev	.004	.0007	.5	.02	.13	.004	.0056	.01	.0014	.006
%RSD	.3028	.1662	.4104	.1275	.8594	.2366	.6853	.1429	.3587	.6123
#1	1.175	.4492	112.2	13.32	14.66	1.919	.8081	10.45	.4022	1.022
#2	1.182	.4477	112.7	13.29	14.68	1.926	.8158	10.44	.4024	1.031
#3	1.176	.4485	111.8	13.29	14.45	1.917	.8189	10.47	.4048	1.034

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.846**	**1.332**	**8.279**	**.6365**	**.6120**	**2.757**	**.8509**	**.5200**	**1.208**
Stddev	.008	.007	.028	.0019	.0007	.005	.0018	.0017	.002
%RSD	.4306	.5415	.3318	.3047	.1203	.2000	.2065	.3212	.1453
#1	1.837	1.323	8.248	.6343	.6126	2.760	.8502	.5219	1.208
#2	1.848	1.336	8.296	.6378	.6111	2.761	.8496	.5191	1.206
#3	1.852	1.336	8.294	.6374	.6121	2.751	.8529	.5190	1.209

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4718.0**	**64807.**	**19946.**
Stddev	18.9	143.	149.
%RSD	.40026	.22019	.74629
#1	4739.6	64683.	19873.
#2	4704.6	64774.	19848.
#3	4709.7	64963.	20118.

Sample Name: L2053436-01,T Acquired: 12/8/2020 9:28:32 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**238.0**	**.2903**	**.0133**	**.7343**	**.0066**	**-1.029**	**25.14**	**.0110**	**.1973**
Stddev	.0003	1.4	.0005	.0008	.0010	.0001	.125	.03	.0001	.0008
%RSD	25.15	.6075	.1677	6.154	.1307	1.087	12.16	.1388	.6430	.3942
#1	-.0012	239.1	.2899	.0127	.7354	.0066	-.9517	25.18	.0110	.1966
#2	-.0011	236.4	.2901	.0142	.7339	.0066	-.9621	25.11	.0110	.1970
#3	-.0017	238.5	.2908	.0128	.7336	.0065	-1.173	25.12	.0111	.1981

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3879**	**.3823**	**343.7**	**19.83**	**76.30**	**7.370**	**.0097**	**1.622**	**.3063**	**1.005**
Stddev	.0009	.0022	6.5	.04	.09	.013	.0006	.010	.0007	.001
%RSD	.2407	.5882	1.890	.2221	.1138	.1740	5.860	.6342	.2255	.1380
#1	.3890	.3797	336.5	19.88	76.29	7.384	.0103	1.610	.3055	1.004
#2	.3873	.3834	349.2	19.80	76.22	7.368	.0096	1.629	.3065	1.004
#3	.3874	.3838	345.4	19.82	76.39	7.358	.0092	1.627	.3069	1.007

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0121**	**.0044**	**6.574**	**.0087**	**.1634**	**12.09**	**-.0048**	**.7282**	**.9573**
Stddev	.0027	.0014	.019	.0006	.0003	.07	.0012	.0010	.0012
%RSD	22.53	32.54	.2826	7.405	.1714	.5528	23.87	.1421	.1249
#1	.0153	.0058	6.556	.0090	.1637	12.01	-.0041	.7293	.9569
#2	.0103	.0046	6.573	.0092	.1635	12.14	-.0042	.7280	.9564
#3	.0108	.0029	6.593	.0080	.1631	12.10	-.0062	.7272	.9587

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**5046.4**	**68929.**	**21730.**
Stddev	9.1	54.	55.
%RSD	.17976	.07830	.25106
#1	5056.4	68884.	21792.
#2	5038.7	68914.	21692.
#3	5044.2	68989.	21705.

Sample Name: L2053436-02,T Acquired: 12/8/2020 9:33:19 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0012**	**250.8**	**.1464**	**.0141**	**.8095**	**.0076**	**-1.298**	**7.931**	**.0094**	**.1628**
Stddev	.0002	3.0	.0024	.0007	.0006	.0001	.164	.016	.0000	.0005
%RSD	17.57	1.197	1.611	5.230	.0789	1.844	12.64	.1988	.2439	.2991
#1	-.0010	250.9	.1448	.0148	.8095	.0076	-1.321	7.915	.0094	.1623
#2	-.0015	253.8	.1491	.0134	.8101	.0077	-1.124	7.932	.0094	.1629
#3	-.0012	247.8	.1454	.0142	.8088	.0074	-1.450	7.946	.0094	.1633

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3413**	**.2582**	**315.3**	**15.84**	**55.32**	**7.065**	**.0094**	**1.005**	**.2478**	**.8580**
Stddev	.0012	.0010	.6	.02	.13	.019	.0001	.003	.0008	.0058
%RSD	.3406	.3774	.1779	.1451	.2402	.2669	1.249	.3144	.3396	.6726
#1	.3410	.2592	314.7	15.83	55.21	7.044	.0095	1.003	.2473	.8537
#2	.3426	.2574	315.6	15.86	55.29	7.080	.0093	1.009	.2472	.8556
#3	.3403	.2578	315.7	15.81	55.47	7.071	.0094	1.005	.2487	.8645

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0058**	**.0080**	**7.275**	**.0054**	**.0944**	**12.17**	**-.0051**	**.6401**	**.9571**
Stddev	.0018	.0021	.042	.0009	.0003	.11	.0023	.0011	.0021
%RSD	31.45	26.75	.5751	15.93	.3154	.9367	45.00	.1664	.2203
#1	.0039	.0093	7.235	.0062	.0943	12.30	-.0045	.6404	.9558
#2	.0076	.0092	7.270	.0055	.0947	12.10	-.0032	.6410	.9561
#3	.0059	.0056	7.319	.0045	.0941	12.10	-.0077	.6389	.9596

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**5064.9**	**69091.**	**21813.**
Stddev	10.3	311.	95.
%RSD	.20337	.44944	.43668
#1	5071.2	68736.	21771.
#2	5070.5	69226.	21922.
#3	5053.0	69311.	21746.

Sample Name: L2053436-03,T Acquired: 12/8/2020 9:38:14 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**216.2**	**.5497**	**.0138**	**1.001**	**.0078**	**-1.310**	**37.92**	**.0155**	**.2091**
Stddev	.0003	.2	.0029	.0004	.004	.0001	.036	.08	.0001	.0012
%RSD	55.30	.0902	.5276	3.145	.3786	1.056	2.753	.2114	.5194	.5770
#1	-.0009	216.0	.5475	.0135	1.005	.0078	-1.328	37.85	.0155	.2081
#2	-.0005	216.3	.5485	.0136	1.002	.0078	-1.269	38.01	.0155	.2088
#3	-.0003	216.4	.5530	.0143	.9972	.0077	-1.334	37.91	.0156	.2104

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7621**	**1.390**	**359.9**	**15.36**	**96.17**	**9.148**	**.0102**	**1.646**	**.4872**	**12.55**
Stddev	.0035	.007	1.2	.07	.15	.015	.0001	.008	.0026	.06
%RSD	.4608	.5341	.3250	.4508	.1556	.1658	1.286	.4910	.5328	.4810
#1	.7600	1.398	360.2	15.40	96.21	9.130	.0103	1.655	.4861	12.52
#2	.7662	1.388	360.9	15.41	96.29	9.159	.0102	1.641	.4853	12.52
#3	.7602	1.383	358.6	15.28	96.00	9.154	.0100	1.642	.4902	12.62

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0192**	**.0066**	**6.956**	**.0710**	**.1987**	**7.565**	**-.0002**	**.6735**	**2.208**
Stddev	.0027	.0021	.039	.0008	.0008	.046	.0024	.0017	.010
%RSD	14.11	31.82	.5556	1.187	.4060	.6054	1211.	.2584	.4377
#1	.0166	.0080	6.918	.0700	.1991	7.618	.0025	.6754	2.202
#2	.0189	.0076	6.955	.0715	.1992	7.532	-.0008	.6730	2.202
#3	.0220	.0042	6.996	.0715	.1977	7.546	-.0022	.6720	2.219

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**5278.5**	**72925.**	**22842.**
Stddev	20.3	59.	5.
%RSD	.38489	.08122	.02329
#1	5297.6	72863.	22836.
#2	5280.8	72929.	22846.
#3	5257.2	72982.	22844.

Sample Name: L2053436-04,T Acquired: 12/8/2020 9:43:00 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**258.0**	**.1009**	**.0166**	**1.489**	**.0100**	**-1.744**	**24.98**	**.0084**	**.1243**
Stddev	.0001	.4	.0017	.0007	.006	.0001	.067	.13	.0000	.0005
%RSD	10.46	.1394	1.694	4.017	.4318	.5853	3.824	.5041	.5079	.3868
#1	.0008	258.3	.1025	.0159	1.491	.0099	-1.792	24.94	.0084	.1237
#2	.0007	257.6	.0991	.0166	1.482	.0100	-1.668	24.87	.0085	.1246
#3	.0007	258.2	.1012	.0172	1.494	.0099	-1.772	25.11	.0084	.1245

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3002**	**.2815**	**267.0**	**9.387**	**40.45**	**13.70**	**.0118**	**2.235**	**.2115**	**2.490**
Stddev	.0013	.0004	1.4	.037	.13	.07	.0004	.004	.0007	.006
%RSD	.4234	.1503	.5306	.3928	.3290	.4920	3.215	.1694	.3337	.2470
#1	.2994	.2815	267.8	9.395	40.35	13.69	.0123	2.238	.2107	2.483
#2	.3016	.2811	265.4	9.346	40.60	13.63	.0115	2.237	.2121	2.495
#3	.2995	.2820	267.8	9.418	40.39	13.77	.0117	2.231	.2115	2.490

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0072**	**.0125**	**11.20**	**.0202**	**.1938**	**7.553**	**.0046**	**.4989**	**1.415**
Stddev	.0029	.0013	.10	.0008	.0007	.063	.0007	.0011	.000
%RSD	39.60	10.17	.8872	4.086	.3384	.8289	16.24	.2121	.0208
#1	.0040	.0112	11.10	.0204	.1941	7.527	.0037	.4980	1.414
#2	.0083	.0137	11.20	.0193	.1930	7.507	.0052	.5000	1.415
#3	.0094	.0125	11.30	.0209	.1942	7.624	.0047	.4986	1.415

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**5198.2**	**72045.**	**22607.**
Stddev	21.0	124.	63.
%RSD	.40417	.17243	.28070
#1	5214.5	72081.	22609.
#2	5205.5	72148.	22669.
#3	5174.5	71907.	22542.

Sample Name: L2053436-05,T Acquired: 12/8/2020 9:47:55 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**244.5**	**.3284**	**.0207**	**1.537**	**.0097**	**-1.680**	**43.12**	**.0116**	**.2002**
Stddev	.0002	6.0	.0016	.0005	.002	.0001	.315	.22	.0001	.0010
%RSD	15.57	2.438	.4944	2.536	.1253	1.225	18.73	.5157	.4882	.5200
#1	.0011	249.1	.3280	.0205	1.538	.0097	-1.839	43.36	.0117	.2013
#2	.0013	237.7	.3302	.0204	1.539	.0098	-1.884	42.92	.0116	.1993
#3	.0015	246.6	.3270	.0213	1.535	.0096	-1.318	43.10	.0116	.1998

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6090**	**.5042**	**271.7**	**14.06**	**46.28**	**8.838**	**.0124**	**2.029**	**.2310**	**4.883**
Stddev	.0010	.0016	1.8	.05	.36	.032	.0004	.003	.0004	.006
%RSD	.1684	.3250	.6803	.3352	.7790	.3568	2.933	.1495	.1679	.1327
#1	.6098	.5032	273.4	14.12	46.45	8.873	.0121	2.032	.2315	4.877
#2	.6078	.5061	269.7	14.04	45.86	8.813	.0123	2.028	.2308	4.889
#3	.6093	.5033	272.1	14.03	46.52	8.827	.0128	2.026	.2308	4.884

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0101**	**.0151**	**7.959**	**.0358**	**.2811**	**7.564**	**-.0001**	**.5710**	**1.296**
Stddev	.0005	.0012	.003	.0007	.0007	.085	.0021	.0003	.001
%RSD	5.055	7.942	.0387	1.969	.2460	1.118	2435.	.0510	.0755
#1	.0096	.0157	7.955	.0365	.2816	7.488	.0023	.5713	1.295
#2	.0101	.0137	7.960	.0357	.2814	7.655	-.0011	.5709	1.297
#3	.0106	.0159	7.961	.0351	.2803	7.548	-.0014	.5708	1.296

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**5205.9**	**72726.**	**22800.**
Stddev	19.7	215.	163.
%RSD	.37777	.29627	.71644
#1	5194.5	72966.	22735.
#2	5228.6	72548.	22986.
#3	5194.6	72666.	22679.

Sample Name: L2053444-01,T Acquired: 12/8/2020 9:52:47 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0017**	**114.4**	**.1913**	**.1143**	**.9005**	**.0175**	**2.273**	**74.65**	**.0165**	**.2072**
Stddev	.0001	.2	.0023	.0004	.0022	.0002	.480	.25	.0002	.0006
%RSD	5.077	.2082	1.225	.3699	.2458	1.043	21.14	.3293	.9230	.2731
#1	-.0017	114.6	.1891	.1142	.9030	.0177	2.775	74.87	.0164	.2066
#2	-.0016	114.4	.1910	.1139	.8992	.0174	2.228	74.69	.0166	.2074
#3	-.0018	114.1	.1937	.1147	.8992	.0174	1.817	74.39	.0164	.2076

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3588**	**1.325**	**422.7**	**14.36**	**44.29**	**4.590**	**.0361**	**3.749**	**.4220**	**2.147**
Stddev	.0007	.002	4.6	.04	.10	.010	.0002	.011	.0012	.002
%RSD	.2076	.1522	1.081	.3042	.2209	.2212	.5725	.2836	.2875	.0912
#1	.3593	1.326	427.6	14.41	44.25	4.600	.0359	3.761	.4210	2.148
#2	.3592	1.326	421.9	14.32	44.41	4.591	.0360	3.741	.4233	2.148
#3	.3580	1.323	418.6	14.35	44.23	4.580	.0363	3.744	.4217	2.144

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0614**	**.0071**	**7.199**	**.1975**	**.4214**	**7.012**	**-.0039**	**.5832**	**3.409**
Stddev	.0005	.0020	.007	.0004	.0013	.014	.0011	.0020	.005
%RSD	.8664	28.82	.0971	.1984	.3115	.2002	28.37	.3494	.1510
#1	.0618	.0093	7.205	.1970	.4228	7.024	-.0052	.5846	3.403
#2	.0617	.0065	7.191	.1978	.4202	7.015	-.0033	.5840	3.413
#3	.0608	.0053	7.200	.1977	.4212	6.997	-.0033	.5808	3.411

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4904.2**	**68142.**	**20897.**
Stddev	6.6	200.	15.
%RSD	.13441	.29358	.07116
#1	4897.3	67925.	20901.
#2	4910.5	68320.	20880.
#3	4904.9	68180.	20909.

Sample Name: L2053444-02,T Acquired: 12/8/2020 9:57:21 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment: 10

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0035**	**259.7**	**.1355**	**.0913**	**1.058**	**.0062**	**3.615**	**39.75**	**.0103**	**.2198**
Stddev	.0002	1.9	.0037	.0015	.001	.0001	.126	.04	.0001	.0012
%RSD	5.249	.7435	2.740	1.619	.0481	1.037	3.471	.0927	1.097	.5502
#1	-.0034	257.5	.1339	.0899	1.057	.0062	3.712	39.73	.0103	.2191
#2	-.0037	260.5	.1329	.0911	1.058	.0062	3.473	39.73	.0102	.2191
#3	-.0034	261.0	.1398	.0929	1.058	.0063	3.660	39.79	.0104	.2212

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5730**	**.3052**	**385.2**	**86.39**	**104.3**	**6.252**	**.0248**	**11.30**	**.3909**	**.1870**
Stddev	.0023	.0004	.8	.15	.2	.008	.0002	.04	.0018	.0019
%RSD	.4093	.1458	.2201	.1786	.1653	.1209	.6533	.3769	.4581	1.001
#1	.5705	.3057	384.2	86.34	104.4	6.245	.0249	11.30	.3896	.1886
#2	.5751	.3048	385.8	86.26	104.1	6.250	.0249	11.26	.3901	.1850
#3	.5736	.3050	385.5	86.56	104.4	6.260	.0246	11.35	.3929	.1875

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0048**	**.0034**	**3.807**	**-.0045**	**.2834**	**18.32**	**-.0084**	**.7673**	**1.110**
Stddev	.0029	.0015	.011	.0008	.0007	.15	.0011	.0029	.004
%RSD	60.43	44.13	.2841	17.43	.2538	.8267	12.90	.3811	.3280
#1	.0068	.0044	3.799	-.0040	.2835	18.15	-.0074	.7666	1.106
#2	.0015	.0040	3.803	-.0054	.2826	18.35	-.0083	.7648	1.111
#3	.0062	.0017	3.820	-.0041	.2840	18.45	-.0096	.7705	1.113

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**5224.6**	**71385.**	**22224.**
Stddev	24.5	126.	42.
%RSD	.46878	.17640	.18840
#1	5232.7	71443.	22191.
#2	5244.0	71471.	22271.
#3	5197.1	71240.	22211.

Sample Name: CCV Acquired: 12/8/2020 10:02:13 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5283**	**.5156**	**.5137**	**.4986**	**.4725**	**.4658**	**.6112**	**.4731**	**.4909**	**.5017**
Stddev	.0009	.0073	.0016	.0028	.0024	.0011	.1770	.0051	.0006	.0008
%RSD	.1660	1.407	.3070	.5540	.5113	.2414	28.97	1.087	.1159	.1666
#1	.5284	.5191	.5152	.4954	.4735	.4671	.5247	.4688	.4902	.5008
#2	.5273	.5073	.5120	.4999	.4743	.4654	.4940	.4788	.4913	.5020
#3	.5291	.5205	.5138	.5004	.4698	.4649	.8148	.4717	.4911	.5024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4944**	**.5149**	**.4983**	**4.959**	**.4746**	**.4589**	**.5208**	**9.631**	**.4942**	**.4935**
Stddev	.0005	.0014	.0052	.018	.0021	.0014	.0027	.049	.0004	.0014
%RSD	.0941	.2705	1.048	.3740	.4410	.3154	.5258	.5081	.0796	.2794
#1	.4939	.5159	.5044	4.978	.4749	.4600	.5180	9.647	.4938	.4919
#2	.4948	.5155	.4953	4.960	.4723	.4595	.5210	9.670	.4946	.4945
#3	.4944	.5133	.4954	4.941	.4764	.4573	.5235	9.576	.4942	.4942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5305**	**.4926**	**5.367**	**.5241**	**.4935**	**.5140**	**.5020**	**.5022**	**.4928**
Stddev	.0085	.0020	.018	.0020	.0024	.0011	.0014	.0011	.0003
%RSD	1.600	.4143	.3453	.3837	.4858	.2111	.2748	.2176	.0616
#1	.5214	.4903	5.346	.5220	.4940	.5152	.5010	.5013	.4926
#2	.5320	.4941	5.374	.5242	.4956	.5131	.5035	.5034	.4932
#3	.5382	.4933	5.381	.5261	.4909	.5136	.5013	.5019	.4927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4547.9**	**63189.**	**18392.**
Stddev	15.1	66.	34.
%RSD	.33276	.10503	.18445
#1	4565.3	63209.	18366.
#2	4541.2	63242.	18430.
#3	4537.3	63114.	18378.

Sample Name: CCB Acquired: 12/8/2020 10:06:41 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0084**	**-.0011**	**.0002**	**.0000**	**-.0000**	**-.1096**	**-.0023**	**.0000**	**-.0002**
Stddev	.0002	.0087	.0014	.0001	.0001	.0001	.0516	.0031	.0000	.0002
%RSD	88.92	104.5	124.3	33.77	525.7	2017.	47.10	133.3	17.94	77.27
#1	.0000	.0184	-.0026	.0002	-.0000	.0001	-.1262	-.0030	.0000	-.0000
#2	.0004	.0022	.0002	.0003	.0002	-.0001	-.0518	-.0051	.0000	-.0004
#3	.0003	.0045	-.0009	.0002	-.0001	-.0001	-.1510	.0011	.0000	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0095**	**.0048**	**.0125**	**.0040**	**.0001**	**.0018**	**-.0043**	**-.0002**	**-.0004**
Stddev	.0002	.0001	.0015	.0172	.0019	.0002	.0002	.0103	.0002	.0013
%RSD	32.79	.8909	31.29	138.1	49.31	128.7	13.11	242.6	110.5	323.6
#1	-.0005	.0095	.0054	.0180	.0054	-.0000	.0020	-.0138	-.0002	.0005
#2	-.0007	.0094	.0031	-.0068	.0047	.0003	.0017	.0067	.0000	-.0019
#3	-.0004	.0096	.0059	.0263	.0017	.0001	.0015	-.0057	-.0003	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0056**	**-.0009**	**-.0104**	**.0009**	**-.0001**	**.0008**	**-.0015**	**.0001**	**-.0002**
Stddev	.0015	.0010	.0009	.0003	.0001	.0004	.0007	.0002	.0001
%RSD	26.36	107.8	8.265	38.31	83.11	42.81	44.58	381.0	45.32
#1	.0071	-.0001	-.0095	.0007	-.0001	.0012	-.0019	-.0000	-.0003
#2	.0056	-.0007	-.0103	.0006	-.0000	.0005	-.0018	-.0001	-.0001
#3	.0041	-.0021	-.0113	.0013	-.0002	.0008	-.0007	.0003	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4578.6**	**63796.**	**18445.**
Stddev	1.1	246.	77.
%RSD	.02331	.38627	.41482
#1	4578.3	64007.	18383.
#2	4577.7	63525.	18421.
#3	4579.8	63857.	18530.

Sample Name: WG1441972-1,C Acquired: 12/8/2020 10:11:25 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0034**	**-.0004**	**.0004**	**-.0001**	**-.0001**	**-.0850**	**.0007**	**.0000**	**-.0001**
Stddev	.0003	.0071	.0008	.0002	.0001	.0000	.2452	.0041	.0000	.0002
%RSD	88.46	211.0	193.2	59.90	104.0	56.35	288.4	586.6	56.25	215.6
#1	.0001	.0039	.0005	.0006	.0000	-.0001	-.3361	.0021	.0001	-.0001
#2	.0003	.0102	-.0007	.0005	-.0001	-.0001	-.0728	.0039	.0000	.0001
#3	.0006	-.0040	-.0010	.0001	-.0001	-.0001	.1539	-.0039	.0000	-.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0037**	**.0097**	**.0267**	**.0195**	**.0039**	**.0007**	**.0005**	**.0532**	**.0020**	**-.0005**
Stddev	.0004	.0005	.0008	.0056	.0027	.0002	.0000	.0126	.0001	.0005
%RSD	10.17	5.594	2.852	28.65	69.45	27.22	5.592	23.64	5.134	92.21
#1	.0034	.0095	.0268	.0132	.0008	.0007	.0005	.0661	.0021	-.0003
#2	.0041	.0093	.0259	.0239	.0051	.0009	.0005	.0410	.0020	-.0011
#3	.0036	.0103	.0275	.0214	.0059	.0005	.0005	.0526	.0019	-.0002

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0052**	**-.0007**	**-.0080**	**.0009**	**-.0001**	**.0013**	**-.0014**	**-.0001**	**.0017**
Stddev	.0009	.0006	.0007	.0001	.0001	.0006	.0005	.0002	.0001
%RSD	17.32	77.69	8.624	7.136	51.19	43.65	34.60	379.0	3.570
#1	.0061	-.0014	-.0074	.0010	-.0002	.0015	-.0012	-.0001	.0018
#2	.0052	-.0004	-.0078	.0008	-.0001	.0017	-.0020	.0002	.0017
#3	.0043	-.0005	-.0088	.0009	-.0001	.0007	-.0011	-.0002	.0017

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4513.3**	**63044.**	**18051.**
Stddev	3.2	87.	39.
%RSD	.06986	.13779	.21613
#1	4516.8	62971.	18037.
#2	4512.4	63022.	18096.
#3	4510.6	63140.	18022.

Sample Name: WG1441972-2,C Acquired: 12/8/2020 10:16:08 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0505**	**1.858**	**.1234**	**.9606**	**1.788**	**.0445**	**.4916**	**9.266**	**.0516**	**.4858**
Stddev	.0004	.015	.0019	.0040	.008	.0002	.2303	.017	.0002	.0014
%RSD	.7376	.8296	1.570	.4147	.4350	.3656	46.84	.1848	.3929	.2904
#1	.0501	1.846	.1232	.9585	1.787	.0444	.2735	9.272	.0517	.4854
#2	.0506	1.876	.1216	.9582	1.797	.0447	.7324	9.247	.0514	.4846
#3	.0508	1.853	.1255	.9652	1.781	.0445	.4689	9.280	.0518	.4874

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1949**	**.2514**	**.8837**	**9.289**	**8.767**	**.4360**	**1.005**	**9.624**	**.4623**	**.5026**
Stddev	.0009	.0002	.0045	.066	.024	.0016	.004	.033	.0009	.0012
%RSD	.4654	.0876	.5104	.7123	.2729	.3725	.3740	.3420	.1839	.2319
#1	.1940	.2513	.8840	9.298	8.792	.4362	1.002	9.636	.4624	.5039
#2	.1950	.2517	.8881	9.351	8.762	.4375	1.004	9.649	.4615	.5024
#3	.1958	.2513	.8791	9.219	8.745	.4343	1.009	9.587	.4632	.5016

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5441**	**.1166**	**.7976**	**1.023**	**.9243**	**.9845**	**.1171**	**.4848**	**.4886**
Stddev	.0038	.0014	.0035	.005	.0027	.0034	.0007	.0016	.0009
%RSD	.6991	1.185	.4377	.4967	.2945	.3488	.5983	.3237	.1839
#1	.5466	.1181	.7985	1.025	.9248	.9832	.1177	.4856	.4880
#2	.5398	.1155	.7937	1.017	.9267	.9884	.1173	.4859	.4881
#3	.5460	.1161	.8005	1.026	.9214	.9819	.1164	.4830	.4896

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4440.7**	**61363.**	**18017.**
Stddev	3.0	79.	55.
%RSD	.06645	.12860	.30599
#1	4438.6	61422.	17954.
#2	4444.1	61394.	18042.
#3	4439.4	61273.	18055.

Sample Name: L2053444-03,T Acquired: 12/8/2020 10:20:33 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**146.6**	**.1533**	**.1437**	**.4508**	**.0033**	**1.299**	**32.59**	**.0074**	**.1238**
Stddev	.0002	.4	.0011	.0005	.0010	.0001	.065	.10	.0000	.0005
%RSD	15.48	.2890	.7162	.3473	.2144	2.598	5.009	.3105	.4024	.3992
#1	-.0011	146.3	.1520	.1433	.4497	.0033	1.268	32.50	.0073	.1234
#2	-.0009	147.1	.1539	.1435	.4516	.0032	1.373	32.56	.0074	.1236
#3	-.0013	146.5	.1539	.1443	.4511	.0034	1.255	32.70	.0074	.1243

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3827**	**.3736**	**245.5**	**37.53**	**65.29**	**3.808**	**.0375**	**7.629**	**.2437**	**.4643**
Stddev	.0023	.0013	1.0	.08	.09	.013	.0005	.027	.0009	.0004
%RSD	.6040	.3392	.3930	.2261	.1325	.3331	1.378	.3540	.3509	.0833
#1	.3816	.3738	245.0	37.43	65.21	3.797	.0380	7.600	.2427	.4640
#2	.3812	.3747	246.6	37.54	65.27	3.806	.0374	7.635	.2438	.4641
#3	.3854	.3722	244.8	37.60	65.38	3.822	.0370	7.653	.2444	.4647

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0063**	**.0046**	**5.286**	**.0129**	**.2079**	**8.908**	**-.0041**	**.4787**	**.6846**
Stddev	.0010	.0016	.036	.0008	.0005	.051	.0005	.0018	.0009
%RSD	16.05	34.75	.6864	6.067	.2409	.5676	11.10	.3662	.1293
#1	.0052	.0050	5.284	.0130	.2074	8.871	-.0047	.4785	.6837
#2	.0065	.0028	5.250	.0121	.2081	8.888	-.0040	.4805	.6855
#3	.0072	.0059	5.323	.0136	.2083	8.966	-.0037	.4770	.6846

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4925.7**	**68597.**	**21480.**
Stddev	6.9	7.	37.
%RSD	.13976	.00950	.17048
#1	4925.0	68593.	21502.
#2	4932.9	68605.	21499.
#3	4919.1	68593.	21437.

Sample Name: L2053444-05,T Acquired: 12/8/2020 10:25:19 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**97.52**	**.0686**	**.0430**	**.2516**	**.0025**	**1.836**	**23.33**	**.0049**	**.0962**
Stddev	.0003	.07	.0031	.0005	.0007	.0001	.089	.02	.0001	.0002
%RSD	20.75	.0723	4.499	1.230	.2857	3.639	4.825	.0851	1.043	.1898
#1	-.0013	97.57	.0661	.0434	.2516	.0025	1.776	23.31	.0049	.0960
#2	-.0015	97.44	.0720	.0424	.2509	.0024	1.795	23.32	.0049	.0962
#3	-.0010	97.56	.0676	.0430	.2523	.0025	1.938	23.35	.0050	.0964

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1742**	**.2021**	**162.2**	**12.47**	**42.56**	**2.385**	**.0098**	**4.929**	**.1502**	**.1481**
Stddev	.0001	.0014	.3	.02	.15	.003	.0003	.012	.0004	.0013
%RSD	.0460	.6863	.1611	.1596	.3532	.1271	2.861	.2476	.2932	.8548
#1	.1742	.2020	162.0	12.47	42.43	2.388	.0099	4.934	.1505	.1475
#2	.1743	.2036	162.1	12.45	42.54	2.383	.0094	4.916	.1497	.1496
#3	.1741	.2008	162.5	12.49	42.73	2.384	.0099	4.939	.1504	.1473

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0001**	**6.254**	**.0006**	**.1323**	**6.927**	**-.0045**	**.3326**	**.4339**
Stddev	.0008	.0020	.009	.0004	.0002	.012	.0012	.0005	.0015
%RSD	754.4	1340.	.1492	74.38	.1653	.1793	26.68	.1575	.3351
#1	-.0002	.0021	6.262	.0011	.1324	6.940	-.0051	.3327	.4324
#2	.0008	-.0015	6.244	.0002	.1320	6.926	-.0031	.3331	.4353
#3	-.0009	-.0011	6.257	.0005	.1324	6.915	-.0053	.3320	.4341

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4850.2**	**67285.**	**20779.**
Stddev	11.9	14.	101.
%RSD	.24552	.02036	.48528
#1	4845.1	67288.	20869.
#2	4863.8	67270.	20798.
#3	4841.8	67297.	20670.

Sample Name: L2053444-06,T Acquired: 12/8/2020 10:29:51 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**110.2**	**.0478**	**.1812**	**.0961**	**.0011**	**.6335**	**16.15**	**.0046**	**.0867**
Stddev	.0002	.6	.0008	.0003	.0006	.0000	.0861	.02	.0000	.0005
%RSD	29.65	.4995	1.712	.1608	.6471	1.302	13.59	.1358	.3785	.5652
#1	-.0005	110.7	.0471	.1809	.0968	.0011	.5607	16.18	.0046	.0870
#2	-.0008	110.3	.0477	.1811	.0956	.0011	.6112	16.15	.0046	.0861
#3	-.0009	109.6	.0487	.1815	.0960	.0011	.7286	16.13	.0046	.0870

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1831**	**.1853**	**157.9**	**10.11**	**39.97**	**1.877**	**.0247**	**16.58**	**.1546**	**.0759**
Stddev	.0005	.0013	.4	.02	.19	.005	.0003	.04	.0003	.0018
%RSD	.2759	.7046	.2569	.1643	.4877	.2855	1.264	.2575	.1678	2.309
#1	.1827	.1844	158.1	10.13	39.98	1.881	.0247	16.60	.1549	.0767
#2	.1830	.1868	158.2	10.09	39.77	1.879	.0244	16.61	.1546	.0739
#3	.1837	.1847	157.4	10.11	40.16	1.871	.0250	16.53	.1544	.0771

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0028**	**.0038**	**8.141**	**-.0043**	**.1558**	**7.151**	**-.0049**	**.3076**	**.3256**
Stddev	.0001	.0016	.017	.0002	.0002	.010	.0005	.0008	.0006
%RSD	2.661	41.71	.2035	4.408	.1585	.1459	9.740	.2717	.1732
#1	.0027	.0054	8.151	-.0045	.1560	7.163	-.0054	.3081	.3259
#2	.0029	.0040	8.122	-.0042	.1557	7.143	-.0044	.3066	.3250
#3	.0027	.0022	8.150	-.0043	.1556	7.148	-.0049	.3081	.3261

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4603.2**	**63712.**	**19563.**
Stddev	12.3	56.	52.
%RSD	.26695	.08733	.26825
#1	4590.6	63653.	19555.
#2	4615.2	63719.	19619.
#3	4604.0	63764.	19515.

Sample Name: L2054312-01,C Acquired: 12/8/2020 10:34:22 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0032**	**-.0009**	**.0051**	**.0027**	**-.0001**	**.0108**	**3.900**	**.0000**	**-.0001**
Stddev	.0002	.0116	.0002	.0004	.0000	.0000	.2101	.015	.0000	.0000
%RSD	55.36	362.4	18.21	8.213	.7803	17.86	1938.	.3959	19.63	31.15
#1	.0006	-.0035	-.0011	.0050	.0027	-.0001	-.1255	3.909	.0000	-.0001
#2	.0002	-.0036	-.0008	.0055	.0027	-.0001	.2528	3.882	.0001	-.0000
#3	.0003	.0166	-.0009	.0047	.0027	-.0001	-.0948	3.908	.0000	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0257**	**.0133**	**.0437**	**2.394**	**.5622**	**.0056**	**.0002**	**10.19**	**.0023**	**.0003**
Stddev	.0006	.0003	.0031	.013	.0088	.0003	.0002	.02	.0001	.0009
%RSD	2.161	2.330	7.057	.5380	1.561	5.618	123.7	.2288	3.794	291.1
#1	.0251	.0137	.0452	2.404	.5713	.0057	.0003	10.22	.0022	.0009
#2	.0258	.0132	.0457	2.397	.5538	.0052	-.0001	10.18	.0022	.0007
#3	.0262	.0131	.0402	2.379	.5616	.0058	.0002	10.18	.0024	-.0007

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0016**	**.5218**	**.0005**	**.0216**	**.0031**	**-.0014**	**-.0002**	**.0054**
Stddev	.0013	.0002	.0023	.0005	.0002	.0005	.0011	.0002	.0001
%RSD	4067.	12.54	.4327	97.91	.7722	16.44	78.26	121.4	1.361
#1	-.0000	-.0015	.5215	.0009	.0215	.0030	-.0020	-.0003	.0053
#2	.0012	-.0015	.5242	-.0001	.0218	.0036	-.0021	-.0003	.0054
#3	-.0013	-.0018	.5197	.0007	.0215	.0026	-.0001	.0001	.0055

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4469.1**	**61632.**	**18112.**
Stddev	10.1	258.	188.
%RSD	.22630	.41899	1.0360
#1	4478.0	61723.	17973.
#2	4471.3	61341.	18326.
#3	4458.1	61833.	18037.

Sample Name: WG1441972-3,C Acquired: 12/8/2020 10:39:02 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0529**	**1.917**	**.1274**	**1.010**	**1.839**	**.0458**	**.4271**	**13.32**	**.0538**	**.5057**
Stddev	.0002	.019	.0009	.003	.005	.0001	.0621	.03	.0001	.0010
%RSD	.4563	.9752	.7083	.3161	.2988	.2856	14.53	.2198	.2100	.2060
#1	.0528	1.901	.1267	1.007	1.840	.0457	.4424	13.30	.0537	.5060
#2	.0527	1.914	.1272	1.008	1.833	.0460	.3588	13.31	.0539	.5046
#3	.0531	1.938	.1284	1.013	1.844	.0457	.4801	13.35	.0539	.5066

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2241**	**.2662**	**.9086**	**11.89**	**9.434**	**.4501**	**1.051**	**19.95**	**.4812**	**.5200**
Stddev	.0003	.0007	.0094	.05	.042	.0017	.003	.02	.0008	.0012
%RSD	.1316	.2638	1.037	.3900	.4495	.3697	.2783	.0768	.1567	.2212
#1	.2238	.2664	.9093	11.84	9.403	.4490	1.048	19.94	.4805	.5187
#2	.2243	.2655	.8988	11.90	9.417	.4493	1.051	19.94	.4810	.5206
#3	.2242	.2668	.9176	11.93	9.483	.4520	1.053	19.97	.4820	.5208

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5659**	**.1217**	**1.365**	**1.064**	**.9754**	**1.029**	**.1201**	**.5072**	**.5124**
Stddev	.0010	.0003	.004	.004	.0008	.003	.0003	.0009	.0019
%RSD	.1850	.2096	.2955	.3658	.0850	.3012	.2739	.1781	.3620
#1	.5653	.1215	1.361	1.060	.9751	1.029	.1197	.5064	.5105
#2	.5653	.1220	1.365	1.067	.9748	1.025	.1203	.5071	.5142
#3	.5671	.1215	1.369	1.065	.9763	1.032	.1202	.5081	.5125

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4391.4**	**60361.**	**18129.**
Stddev	10.1	111.	81.
%RSD	.23084	.18400	.44732
#1	4390.2	60417.	18181.
#2	4402.1	60433.	18169.
#3	4382.0	60233.	18035.

Sample Name: WG1441972-4,C Acquired: 12/8/2020 10:43:28 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0050**	**-.0002**	**.0058**	**.0028**	**-.0001**	**-.0313**	**3.876**	**.0001**	**-.0001**
Stddev	.0002	.0052	.0005	.0005	.0000	.0000	.1262	.021	.0000	.0001
%RSD	60.50	104.4	297.3	8.822	1.674	13.83	402.8	.5453	30.98	86.91
#1	.0004	.0076	.0004	.0064	.0028	-.0001	.1063	3.900	.0001	-.0001
#2	.0006	.0085	-.0006	.0053	.0028	-.0001	-.0587	3.866	.0001	-.0003
#3	.0001	-.0010	-.0003	.0058	.0027	-.0001	-.1417	3.861	.0001	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0255**	**.0142**	**.0170**	**2.377**	**.5595**	**.0051**	**.0029**	**10.16**	**.0024**	**-.0001**
Stddev	.0002	.0002	.0018	.022	.0007	.0001	.0008	.01	.0002	.0007
%RSD	.8000	1.619	10.57	.9259	.1185	2.401	27.65	.1190	8.548	546.1
#1	.0257	.0143	.0159	2.376	.5587	.0050	.0038	10.17	.0025	.0007
#2	.0253	.0144	.0191	2.399	.5595	.0052	.0027	10.16	.0026	-.0005
#3	.0255	.0140	.0161	2.355	.5601	.0052	.0022	10.14	.0022	-.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**-.0017**	**.5095**	**.0001**	**.0215**	**.0007**	**-.0012**	**.0000**	**.0055**
Stddev	.0008	.0004	.0074	.0003	.0001	.0004	.0018	.0003	.0001
%RSD	66.47	21.89	1.454	231.8	.2695	51.01	157.3	1731.	1.840
#1	.0004	-.0014	.5150	-.0002	.0215	.0003	.0001	.0003	.0056
#2	.0020	-.0015	.5010	.0004	.0214	.0010	-.0032	-.0002	.0054
#3	.0013	-.0021	.5124	.0001	.0215	.0008	-.0003	-.0001	.0055

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4458.2**	**61579.**	**18160.**
Stddev	14.8	113.	4.
%RSD	.33213	.18276	.02433
#1	4470.2	61458.	18165.
#2	4462.6	61681.	18156.
#3	4441.6	61598.	18159.

Sample Name: WG1441972-5,C Acquired: 12/8/2020 10:48:08 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0560**	**2.046**	**.1360**	**1.057**	**1.986**	**.0499**	**.3590**	**13.60**	**.0569**	**.5391**
Stddev	.0001	.006	.0015	.002	.005	.0003	.0857	.03	.0002	.0011
%RSD	.2455	.3163	1.088	.2311	.2328	.5756	23.87	.2025	.3726	.2046
#1	.0558	2.049	.1346	1.058	1.992	.0501	.4345	13.63	.0567	.5380
#2	.0561	2.050	.1359	1.054	1.984	.0499	.3767	13.59	.0569	.5391
#3	.0560	2.038	.1376	1.058	1.983	.0496	.2659	13.58	.0571	.5402

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2375**	**.2811**	**.9676**	**12.47**	**10.14**	**.4854**	**1.101**	**20.10**	**.5116**	**.5549**
Stddev	.0006	.0020	.0034	.02	.08	.0009	.003	.04	.0012	.0019
%RSD	.2667	.7233	.3535	.1628	.7641	.1818	.2950	.1773	.2348	.3345
#1	.2374	.2806	.9713	12.47	10.22	.4858	1.098	20.14	.5109	.5530
#2	.2370	.2794	.9646	12.44	10.14	.4861	1.101	20.06	.5109	.5551
#3	.2382	.2834	.9668	12.49	10.06	.4844	1.104	20.09	.5130	.5567

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5690**	**.1280**	**.6690**	**1.117**	**1.032**	**1.080**	**.1278**	**.5388**	**.5449**
Stddev	.0032	.0015	.0018	.003	.001	.001	.0006	.0013	.0018
%RSD	.5581	1.146	.2712	.2888	.0618	.0477	.4680	.2376	.3283
#1	.5656	.1292	.6690	1.113	1.033	1.080	.1271	.5387	.5432
#2	.5692	.1285	.6671	1.116	1.032	1.080	.1281	.5401	.5448
#3	.5720	.1264	.6707	1.120	1.032	1.081	.1281	.5375	.5468

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4401.6**	**61224.**	**18032.**
Stddev	10.8	178.	71.
%RSD	.24638	.29063	.39340
#1	4389.2	61304.	17954.
#2	4405.8	61347.	18050.
#3	4409.6	61020.	18092.

Sample Name: WG1441972-6,C,5 Acquired: 12/8/2020 10:52:35 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment: 10

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0017**	**-.0003**	**.0016**	**.0008**	**-.0001**	**-.0344**	**.8390**	**.0000**	**.0002**
Stddev	.0002	.0070	.0002	.0004	.0001	.0000	.2208	.0058	.0000	.0001
%RSD	89.87	409.8	66.21	24.72	16.67	14.90	640.9	.6963	44.86	36.67
#1	.0004	.0049	-.0001	.0017	.0008	-.0001	.0822	.8419	.0001	.0002
#2	-.0000	.0066	-.0003	.0018	.0006	-.0001	.1035	.8428	.0000	.0001
#3	.0003	-.0063	-.0005	.0011	.0009	-.0001	-.2891	.8323	.0000	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0049**	**.0115**	**.0026**	**.5318**	**.1242**	**.0012**	**.0026**	**2.240**	**.0004**	**-.0006**
Stddev	.0005	.0003	.0014	.0391	.0033	.0003	.0006	.007	.0002	.0012
%RSD	9.560	2.589	53.60	7.361	2.677	24.66	21.71	.3092	61.87	201.2
#1	.0052	.0118	.0014	.5374	.1279	.0009	.0032	2.243	.0006	-.0011
#2	.0052	.0113	.0023	.4902	.1213	.0012	.0026	2.245	.0002	.0008
#3	.0044	.0112	.0041	.5679	.1234	.0015	.0021	2.232	.0003	-.0016

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0046**	**-.0018**	**.0914**	**-.0002**	**.0046**	**.0005**	**-.0002**	**-.0001**	**.0009**
Stddev	.0015	.0005	.0022	.0004	.0001	.0001	.0009	.0002	.0000
%RSD	33.51	24.63	2.389	215.8	2.649	13.06	420.0	204.2	3.587
#1	.0060	-.0019	.0934	.0002	.0046	.0005	-.0003	-.0002	.0008
#2	.0047	-.0023	.0916	-.0001	.0045	.0005	-.0011	-.0002	.0009
#3	.0030	-.0014	.0891	-.0006	.0047	.0004	.0008	.0001	.0009

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4520.4**	**63260.**	**18483.**
Stddev	2.1	340.	69.
%RSD	.04635	.53720	.37315
#1	4518.1	62905.	18491.
#2	4522.2	63295.	18410.
#3	4520.9	63582.	18547.

Sample Name: CCV Acquired: 12/8/2020 10:57:19 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5380**	**.5004**	**.5216**	**.5029**	**.4642**	**.4587**	**.5177**	**.4755**	**.4983**	**.5073**
Stddev	.0022	.0122	.0016	.0021	.0015	.0017	.0581	.0027	.0005	.0006
%RSD	.4146	2.448	.3039	.4255	.3257	.3599	11.23	.5780	.0973	.1268
#1	.5366	.5070	.5198	.5013	.4659	.4597	.5828	.4786	.4981	.5069
#2	.5406	.5080	.5226	.5053	.4635	.4595	.4711	.4743	.4981	.5080
#3	.5368	.4863	.5224	.5021	.4631	.4568	.4992	.4735	.4989	.5069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5006**	**.5216**	F **.4463**	**4.932**	**.4688**	**.4502**	**.5283**	**9.569**	**.4991**	**.5008**
Stddev	.0030	.0032	.0053	.022	.0041	.0039	.0027	.033	.0010	.0004
%RSD	.5957	.6117	1.194	.4550	.8832	.8613	.5197	.3464	.2054	.0874
#1	.4973	.5193	.4514	4.957	.4703	.4536	.5252	9.607	.4983	.5003
#2	.5031	.5253	.4466	4.913	.4641	.4509	.5295	9.547	.5003	.5010
#3	.5014	.5204	.4408	4.926	.4719	.4460	.5304	9.552	.4988	.5012
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.5524							
Low Limit			.4476							

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5408**	**.4936**	**5.423**	**.5296**	**.4901**	**.5112**	**.5107**	**.5078**	**.4975**
Stddev	.0043	.0006	.011	.0031	.0008	.0016	.0017	.0015	.0003
%RSD	.7912	.1261	.2102	.5874	.1724	.3135	.3412	.3019	.0623
#1	.5358	.4940	5.418	.5262	.4910	.5107	.5094	.5064	.4972
#2	.5434	.4929	5.437	.5305	.4899	.5130	.5127	.5095	.4978
#3	.5431	.4938	5.416	.5322	.4894	.5099	.5100	.5074	.4975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4474.6**	**61960.**	**18379.**
Stddev	13.0	423.	23.
%RSD	.28966	.68328	.12434
#1	4480.4	62007.	18371.
#2	4459.8	61516.	18404.
#3	4483.6	62359.	18360.

Sample Name: CCB Acquired: 12/8/2020 11:01:47 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0074**	**.0002**	**.0007**	**-.0000**	**-.0001**	**-.0393**	**-.0024**	**.0000**	**-.0002**
Stddev	.0003	.0061	.0009	.0003	.0001	.0001	.0759	.0024	.0000	.0001
%RSD	82.15	82.59	526.7	47.40	214.9	80.56	193.3	99.33	27.59	37.84
#1	.0000	.0138	.0010	.0005	-.0000	-.0001	.0417	-.0012	.0000	-.0001
#2	.0005	.0017	-.0008	.0006	-.0001	-.0002	-.1088	-.0051	.0000	-.0002
#3	.0006	.0066	.0003	.0011	.0000	-.0000	-.0507	-.0008	.0000	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	F **.0124**	**-.0001**	**.0034**	**-.0019**	**.0001**	**.0024**	**-.0038**	**.0001**	**.0003**
Stddev	.0001	.0002	.0004	.0206	.0020	.0004	.0005	.0133	.0001	.0013
%RSD	8.714	1.849	290.8	603.2	108.0	407.2	21.82	346.2	77.31	450.2
#1	-.0007	.0125	-.0003	-.0114	-.0040	-.0003	.0029	-.0106	.0000	.0003
#2	-.0007	.0121	.0003	-.0053	.0000	.0000	.0024	-.0124	.0002	.0016
#3	-.0006	.0126	-.0005	.0269	-.0017	.0006	.0019	.0114	.0002	-.0010
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0100								
Low Limit		-.0200								

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0080**	**-.0004**	**-.0183**	**.0015**	**-.0001**	**.0002**	**-.0000**	**-.0001**	**-.0002**
Stddev	.0016	.0015	.0007	.0003	.0000	.0002	.0006	.0002	.0001
%RSD	20.16	417.5	4.062	20.61	81.06	81.93	1783.	179.9	63.11
#1	.0099	.0008	-.0191	.0012	-.0001	.0004	-.0006	-.0003	-.0001
#2	.0072	-.0021	-.0177	.0018	-.0001	.0002	-.0000	.0001	-.0003
#3	.0069	.0002	-.0179	.0016	-.0000	.0001	.0005	-.0002	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4508.5**	**62534.**	**18480.**
Stddev	.6	226.	124.
%RSD	.01339	.36193	.67325
#1	4509.2	62499.	18439.
#2	4508.3	62775.	18619.
#3	4508.1	62327.	18380.

Sample Name: CCV Acquired: 12/8/2020 11:06:44 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5510**	**.4931**	**.5290**	**.5175**	**.4566**	**.4559**	**.5240**	**.4672**	**.5067**	**.5105**
Stddev	.0004	.0092	.0001	.0009	.0007	.0001	.0836	.0057	.0013	.0012
%RSD	.0747	1.870	.0192	.1755	.1468	.0214	15.95	1.210	.2628	.2295
#1	.5513	.4827	.5290	.5172	.4559	.4558	.4497	.4727	.5083	.5118
#2	.5511	.4962	.5290	.5185	.4572	.4560	.5079	.4614	.5058	.5102
#3	.5505	.5004	.5288	.5168	.4568	.4560	.6145	.4674	.5061	.5095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4991**	**.5248**	F **.4346**	**4.892**	**.4696**	F **.4447**	**.4909**	**9.997**	**.5030**	**.5050**
Stddev	.0011	.0010	.0037	.025	.0052	.0014	.0065	.016	.0010	.0012
%RSD	.2113	.1869	.8429	.5079	1.102	.3143	1.333	.1598	.2033	.2462
#1	.4994	.5242	.4388	4.920	.4641	.4459	.4842	10.01	.5040	.5052
#2	.4979	.5243	.4320	4.880	.4703	.4432	.4910	10.00	.5019	.5061
#3	.5000	.5259	.4330	4.875	.4744	.4450	.4973	9.979	.5030	.5036
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.5524			.5524				
Low Limit			.4476			.4476				

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5269**	**.5137**	**5.439**	**.5239**	**.4872**	**.5089**	**.5202**	**.5084**	**.5085**
Stddev	.0044	.0014	.007	.0021	.0003	.0004	.0002	.0002	.0013
%RSD	.8332	.2691	.1214	.4086	.0661	.0864	.0346	.0322	.2586
#1	.5223	.5137	5.446	.5215	.4870	.5084	.5200	.5085	.5100
#2	.5274	.5124	5.438	.5256	.4870	.5093	.5202	.5083	.5076
#3	.5310	.5151	5.433	.5245	.4876	.5090	.5204	.5082	.5080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4471.9**	**61212.**	**18637.**
Stddev	2.7	268.	35.
%RSD	.06100	.43779	.19034
#1	4471.1	60902.	18656.
#2	4469.8	61357.	18658.
#3	4475.0	61375.	18596.

Sample Name: CCB Acquired: 12/8/2020 11:11:10 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0030**	**.0005**	**.0005**	**-.0000**	**-.0000**	**-.1207**	**-.0050**	**.0000**	**-.0000**
Stddev	.0001	.0099	.0007	.0004	.0001	.0000	.1403	.0050	.0000	.0002
%RSD	37.84	332.8	145.2	77.07	427.0	37.32	116.2	100.2	32.31	455.3
#1	.0003	.0027	.0012	.0009	-.0001	-.0000	-.2276	-.0090	.0000	-.0003
#2	.0002	-.0144	-.0002	.0003	.0001	-.0001	.0381	-.0067	.0000	.0001
#3	.0005	.0027	.0005	.0003	-.0001	-.0000	-.1727	.0006	.0000	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	F **.0120**	**.0001**	**-.0020**	**.0012**	**.0001**	**.0048**	**-.0041**	**-.0001**	**.0007**
Stddev	.0008	.0003	.0010	.0073	.0015	.0001	.0010	.0064	.0002	.0009
%RSD	970.7	2.889	920.9	355.9	119.4	87.34	21.67	156.8	416.3	142.1
#1	.0008	.0117	.0007	-.0101	-.0001	.0000	.0059	-.0115	-.0003	.0001
#2	.0002	.0121	.0007	-.0001	.0028	.0003	.0048	.0003	-.0001	.0017
#3	-.0007	.0124	-.0010	.0041	.0010	.0001	.0038	-.0011	.0002	.0001
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0100								
Low Limit		-.0200								

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0098**	**-.0009**	**-.0199**	**.0024**	**-.0001**	**.0011**	**-.0014**	**-.0000**	**-.0003**
Stddev	.0019	.0012	.0011	.0006	.0001	.0000	.0012	.0003	.0001
%RSD	19.71	135.9	5.302	27.05	75.05	1.677	87.77	4726.	38.47
#1	.0119	-.0005	-.0187	.0024	-.0001	.0011	-.0000	.0002	-.0003
#2	.0090	.0000	-.0206	.0030	-.0002	.0011	-.0018	-.0003	-.0005
#3	.0083	-.0023	-.0204	.0017	-.0001	.0011	-.0023	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4536.1**	**62905.**	**18399.**
Stddev	9.1	214.	30.
%RSD	.20001	.34021	.16170
#1	4530.3	62922.	18379.
#2	4531.5	62683.	18433.
#3	4546.6	63110.	18385.

Sample Name: WG1442047-1,C Acquired: 12/8/2020 11:15:55 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0126**	**-.0000**	**.0006**	**-.0001**	**-.0001**	**-.0147**	**.0026**	**.0000**	**-.0001**
Stddev	.0005	.0071	.0006	.0003	.0002	.0001	.1905	.0038	.0000	.0002
%RSD	134.3	56.05	2099.	44.32	485.0	70.54	1296.	142.6	70.21	130.8
#1	.0001	.0161	.0006	.0004	-.0000	-.0001	-.1003	-.0013	.0001	-.0000
#2	.0000	.0173	-.0005	.0009	-.0003	-.0002	.2035	.0062	.0000	-.0004
#3	.0009	.0045	-.0001	.0005	.0002	-.0000	-.1474	.0030	.0001	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0028**	**.0106**	**.0221**	**-.0041**	**.0012**	**.0016**	**.0019**	**.0552**	**.0019**	**-.0004**
Stddev	.0002	.0003	.0010	.0278	.0027	.0003	.0002	.0071	.0003	.0010
%RSD	8.757	2.723	4.559	684.9	223.1	16.90	11.05	12.84	13.42	258.2
#1	.0029	.0105	.0221	-.0061	.0009	.0017	.0022	.0633	.0016	-.0014
#2	.0026	.0109	.0211	.0247	.0040	.0019	.0017	.0502	.0018	.0005
#3	.0030	.0103	.0231	-.0308	-.0013	.0013	.0019	.0520	.0021	-.0002

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0078**	**-.0024**	**-.0127**	**.0030**	**-.0000**	**.0003**	**-.0014**	**.0001**	**.0018**
Stddev	.0031	.0004	.0016	.0008	.0001	.0002	.0008	.0002	.0001
%RSD	40.51	17.65	12.88	26.12	272.8	66.33	53.88	311.0	5.024
#1	.0111	-.0019	-.0137	.0035	-.0000	.0001	-.0020	-.0001	.0018
#2	.0073	-.0027	-.0135	.0034	.0001	.0004	-.0017	.0001	.0018
#3	.0049	-.0025	-.0108	.0021	-.0001	.0004	-.0006	.0002	.0017

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4513.2**	**62749.**	**18093.**
Stddev	5.1	31.	34.
%RSD	.11334	.04993	.18655
#1	4517.9	62713.	18124.
#2	4507.8	62760.	18057.
#3	4513.8	62773.	18099.

Sample Name: WG1442047-2,C Acquired: 12/8/2020 11:20:41 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0489**	**1.827**	**.1185**	**.9391**	**1.763**	**.0440**	**.4828**	**9.062**	**.0503**	**.4722**
Stddev	.0003	.005	.0008	.0021	.006	.0002	.2316	.007	.0001	.0003
%RSD	.6791	.2578	.6494	.2240	.3169	.4237	47.97	.0761	.0997	.0576
#1	.0489	1.829	.1181	.9413	1.768	.0442	.3321	9.058	.0502	.4723
#2	.0486	1.822	.1179	.9371	1.757	.0439	.3668	9.070	.0503	.4718
#3	.0493	1.830	.1193	.9390	1.764	.0438	.7495	9.058	.0503	.4723

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1901**	**.2459**	**.8595**	**9.116**	**8.640**	**.4241**	**.9814**	**9.468**	**.4512**	**.4864**
Stddev	.0013	.0012	.0041	.010	.057	.0005	.0024	.009	.0006	.0010
%RSD	.6756	.4698	.4795	.1134	.6587	.1257	.2462	.0932	.1427	.2111
#1	.1891	.2471	.8641	9.110	8.575	.4239	.9787	9.474	.4506	.4861
#2	.1915	.2455	.8583	9.111	8.662	.4247	.9822	9.458	.4510	.4855
#3	.1896	.2449	.8561	9.128	8.683	.4236	.9834	9.472	.4519	.4875

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5292**	**.1116**	**.7676**	**.9970**	**.9077**	**.9602**	**.1119**	**.4718**	**.4782**
Stddev	.0013	.0015	.0014	.0011	.0011	.0024	.0007	.0008	.0003
%RSD	.2547	1.382	.1873	.1130	.1221	.2482	.6608	.1717	.0668
#1	.5285	.1112	.7686	.9957	.9087	.9618	.1122	.4720	.4779
#2	.5308	.1103	.7684	.9977	.9065	.9614	.1111	.4725	.4785
#3	.5284	.1133	.7660	.9977	.9079	.9575	.1124	.4709	.4782

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4455.9**	**61734.**	**17991.**
Stddev	12.9	95.	63.
%RSD	.28864	.15312	.35156
#1	4441.9	61693.	18043.
#2	4458.6	61667.	18008.
#3	4467.2	61842.	17920.

Sample Name: L2054034-02,C Acquired: 12/8/2020 11:25:07 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0363**	**-.0003**	**.0118**	**.0695**	**-.0001**	**.0222**	**43.11**	**.0120**	**.0030**
Stddev	.0001	.0006	.0025	.0003	.0002	.0000	.1506	.07	.0000	.0002
%RSD	45.16	1.628	751.7	2.421	.2209	35.70	678.2	.1701	.3333	6.225
#1	.0004	.0369	-.0024	.0118	.0696	-.0001	.0848	43.16	.0119	.0032
#2	.0003	.0363	-.0010	.0115	.0693	-.0001	-.1496	43.14	.0120	.0030
#3	.0001	.0357	.0024	.0121	.0695	-.0001	.1314	43.03	.0120	.0028

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.2242**	**.0219**	**.5186**	**1.520**	**.4097**	**.0032**	**132.5**	**.0103**	**.1487**
Stddev	.0002	.0008	.0005	.0167	.003	.0008	.0007	1.0	.0004	.0009
%RSD	5.559	.3654	2.488	3.216	.1741	.2061	22.29	.7847	3.501	.5907
#1	.0042	.2236	.0215	.4995	1.520	.4088	.0041	131.3	.0100	.1483
#2	.0038	.2251	.0225	.5258	1.517	.4104	.0029	133.0	.0107	.1480
#3	.0042	.2239	.0217	.5304	1.522	.4099	.0027	133.2	.0104	.1497

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**-.0013**	**1.124**	**.0016**	**.1000**	**.0007**	**-.0010**	**.0002**	**.5965**
Stddev	.0009	.0020	.001	.0005	.0001	.0004	.0006	.0001	.0015
%RSD	91.41	145.5	.1244	32.02	.0904	58.04	64.82	55.45	.2531
#1	.0009	-.0035	1.123	.0022	.1001	.0002	-.0009	.0003	.5971
#2	.0020	.0002	1.126	.0013	.1000	.0010	-.0004	.0001	.5947
#3	.0001	-.0006	1.124	.0013	.0999	.0008	-.0016	.0002	.5975

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4342.8**	**58671.**	**17792.**
Stddev	17.3	239.	47.
%RSD	.39845	.40682	.26477
#1	4335.7	58415.	17832.
#2	4330.1	58888.	17806.
#3	4362.5	58709.	17740.

Sample Name: L2053444-07,T Acquired: 12/8/2020 11:29:47 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0035**	**195.2**	**.1061**	**.1196**	**.7107**	**.0048**	**2.688**	**32.68**	**.0084**	**.1571**
Stddev	.0004	.3	.0013	.0004	.0007	.0001	.272	.17	.0000	.0002
%RSD	11.51	.1786	1.192	.3657	.1027	1.805	10.11	.5142	.1282	.1127
#1	-.0039	195.5	.1069	.1196	.7098	.0047	3.001	32.49	.0084	.1570
#2	-.0034	194.9	.1046	.1191	.7111	.0049	2.556	32.78	.0084	.1571
#3	-.0031	195.2	.1068	.1200	.7111	.0048	2.508	32.78	.0084	.1573

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4093**	**.3440**	**344.3**	**54.35**	**80.03**	**3.341**	**.0051**	**28.71**	**.3037**	**.1168**
Stddev	.0011	.0009	4.1	.13	.84	.009	.0002	.05	.0004	.0040
%RSD	.2786	.2625	1.193	.2420	1.050	.2580	3.121	.1607	.1277	3.437
#1	.4100	.3432	340.9	54.20	79.18	3.332	.0052	28.66	.3034	.1157
#2	.4099	.3450	348.9	54.43	80.86	3.349	.0052	28.73	.3037	.1135
#3	.4080	.3440	343.2	54.42	80.06	3.343	.0049	28.74	.3041	.1213

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0031**	**-.0008**	**6.902**	**-.0052**	**.2283**	**12.87**	**-.0095**	**.6263**	**.7385**
Stddev	.0026	.0005	.027	.0006	.0001	.01	.0011	.0015	.0014
%RSD	83.21	71.88	.3887	12.31	.0238	.0468	11.55	.2378	.1921
#1	.0046	-.0012	6.876	-.0059	.2283	12.87	-.0090	.6280	.7369
#2	.0001	-.0009	6.901	-.0050	.2282	12.88	-.0108	.6257	.7391
#3	.0045	-.0001	6.930	-.0047	.2283	12.87	-.0088	.6252	.7396

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**5301.2**	**71904.**	**22052.**
Stddev	25.1	267.	202.
%RSD	.47325	.37139	.91380
#1	5309.0	71910.	22285.
#2	5321.4	72168.	21927.
#3	5273.1	71634.	21945.

Sample Name: L2053444-08,T Acquired: 12/8/2020 11:34:32 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**131.6**	**.1109**	**.0700**	**.8926**	**.0132**	**2.126**	**78.77**	**.0114**	**.1364**
Stddev	.0002	.2	.0015	.0002	.0027	.0001	.275	.15	.0000	.0002
%RSD	89.88	.1675	1.351	.2148	.2970	.6513	12.96	.1916	.4142	.1523
#1	.0004	131.5	.1120	.0700	.8932	.0133	2.150	78.90	.0113	.1362
#2	.0002	131.8	.1116	.0701	.8949	.0131	1.839	78.80	.0114	.1366
#3	.0000	131.4	.1092	.0698	.8897	.0131	2.388	78.61	.0114	.1363

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3521**	**1.179**	**269.5**	**19.21**	**54.58**	**4.823**	**.0160**	**14.28**	**.3002**	**1.795**
Stddev	.0018	.004	1.4	.07	.34	.007	.0002	.04	.0004	.003
%RSD	.5048	.3081	.5088	.3806	.6227	.1538	1.323	.2524	.1371	.1523
#1	.3523	1.177	271.0	19.24	54.55	4.830	.0159	14.31	.3003	1.797
#2	.3537	1.184	269.4	19.27	54.93	4.823	.0159	14.29	.2997	1.792
#3	.3502	1.178	268.2	19.13	54.25	4.815	.0163	14.24	.3005	1.795

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0497**	**.0082**	**4.341**	**.1527**	**.3606**	**8.272**	**-.0056**	**.4981**	**2.212**
Stddev	.0006	.0013	.014	.0001	.0009	.008	.0011	.0012	.002
%RSD	1.191	16.37	.3103	.0953	.2616	.0933	18.72	.2487	.0896
#1	.0490	.0072	4.331	.1525	.3616	8.272	-.0068	.4975	2.214
#2	.0501	.0076	4.356	.1528	.3604	8.280	-.0054	.4995	2.210
#3	.0499	.0097	4.336	.1527	.3598	8.264	-.0047	.4972	2.212

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**5018.1**	**69192.**	**21152.**
Stddev	11.0	316.	77.
%RSD	.21840	.45733	.36351
#1	5029.8	68988.	21105.
#2	5016.4	69031.	21109.
#3	5008.1	69556.	21240.

Sample Name: L2054034-01,C Acquired: 12/8/2020 11:39:19 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0530**	**.0001**	**.0109**	**.0492**	**-.0001**	**.1413**	**51.22**	**.0069**	**.0008**
Stddev	.0003	.0057	.0004	.0002	.0001	.0001	.1482	.05	.0000	.0002
%RSD	71.33	10.70	480.8	1.788	.2578	73.68	104.9	.1048	.3698	19.01
#1	.0007	.0540	-.0001	.0111	.0492	-.0001	-.0211	51.18	.0069	.0010
#2	.0001	.0582	-.0001	.0107	.0493	-.0002	.1759	51.20	.0069	.0008
#3	.0006	.0470	.0005	.0109	.0491	-.0000	.2691	51.28	.0069	.0007

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.0596**	**.0515**	**.5484**	**1.859**	**.2372**	**.0001**	**138.1**	**.0066**	**.2066**
Stddev	.0007	.0002	.0035	.0196	.007	.0005	.0001	.9	.0002	.0003
%RSD	17.30	.4064	6.780	3.567	.3755	.1901	108.9	.6486	3.006	.1439
#1	.0045	.0598	.0553	.5708	1.867	.2375	.0000	138.4	.0066	.2065
#2	.0033	.0597	.0506	.5396	1.855	.2367	.0000	138.8	.0064	.2064
#3	.0046	.0594	.0485	.5349	1.855	.2374	.0001	137.1	.0068	.2070

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**-.0010**	**1.179**	**.0011**	**.1751**	**.0037**	**-.0021**	**.0002**	**.4530**
Stddev	.0004	.0009	.003	.0006	.0004	.0004	.0010	.0001	.0004
%RSD	43.86	90.67	.2304	57.86	.2002	10.21	49.02	43.81	.0928
#1	.0014	-.0017	1.182	.0011	.1750	.0040	-.0011	.0001	.4525
#2	.0007	-.0014	1.179	.0017	.1755	.0033	-.0031	.0003	.4534
#3	.0007	.0000	1.176	.0004	.1748	.0038	-.0020	.0002	.4530

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4392.6**	**58689.**	**17624.**
Stddev	6.3	148.	47.
%RSD	.14348	.25158	.26413
#1	4388.6	58859.	17638.
#2	4389.3	58594.	17572.
#3	4399.8	58613.	17662.

Sample Name: WG1442047-3,C Acquired: 12/8/2020 11:44:04 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0513**	**1.873**	**.1250**	**.9800**	**1.889**	**.0460**	**.5822**	**58.30**	**.0572**	**.4771**
Stddev	.0001	.013	.0018	.0039	.007	.0001	.2085	.15	.0001	.0014
%RSD	.2863	.6756	1.463	.3992	.3555	.1520	35.81	.2616	.1790	.2985
#1	.0512	1.871	.1262	.9798	1.891	.0459	.4368	58.16	.0572	.4770
#2	.0513	1.861	.1229	.9761	1.895	.0460	.8210	58.28	.0571	.4757
#3	.0515	1.886	.1258	.9840	1.882	.0459	.4887	58.47	.0573	.4785

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1959**	**.2998**	**.8935**	**10.11**	**10.28**	**.6619**	**.9966**	**141.9**	**.4534**	**.6801**
Stddev	.0003	.0011	.0036	.01	.06	.0013	.0045	.8	.0009	.0040
%RSD	.1495	.3722	.4070	.1202	.6034	.1929	.4482	.5425	.2087	.5823
#1	.1959	.3011	.8953	10.10	10.25	.6633	.9936	142.2	.4542	.6783
#2	.1955	.2995	.8960	10.11	10.35	.6616	.9945	141.0	.4524	.6774
#3	.1961	.2989	.8894	10.13	10.24	.6608	1.002	142.4	.4536	.6846

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5426**	**.1195**	**1.942**	**1.000**	**1.115**	**1.000**	**.1109**	**.4952**	**.9122**
Stddev	.0013	.0003	.007	.004	.003	.002	.0010	.0010	.0008
%RSD	.2408	.2878	.3524	.3665	.2224	.2010	.8879	.1935	.0832
#1	.5418	.1198	1.936	.9974	1.117	1.002	.1105	.4961	.9130
#2	.5418	.1191	1.942	.9993	1.116	.9986	.1120	.4952	.9115
#3	.5441	.1195	1.950	1.005	1.113	.9993	.1102	.4942	.9122

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4414.7**	**58987.**	**17534.**
Stddev	22.0	204.	73.
%RSD	.49885	.34515	.41392
#1	4423.1	58991.	17616.
#2	4431.3	59188.	17480.
#3	4389.7	58781.	17505.

Sample Name: WG1442047-4,C Acquired: 12/8/2020 11:48:38 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0481**	**-.0018**	**.0114**	**.0491**	**-.0001**	**-.0953**	**50.78**	**.0067**	**.0011**
Stddev	.0004	.0081	.0005	.0003	.0003	.0000	.1392	.29	.0001	.0002
%RSD	114.0	16.82	26.00	2.634	.6219	59.74	146.1	.5789	.8386	14.10
#1	.0006	.0478	-.0022	.0118	.0489	-.0000	-.2414	50.92	.0067	.0010
#2	.0007	.0564	-.0013	.0114	.0489	-.0001	.0357	50.97	.0067	.0013
#3	-.0001	.0402	-.0018	.0112	.0495	-.0001	-.0801	50.44	.0068	.0011

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039**	**.0577**	**.0172**	**.5910**	**1.837**	**.2339**	**.0025**	**136.8**	**.0062**	**.2044**
Stddev	.0002	.0004	.0014	.0109	.011	.0005	.0006	.5	.0001	.0007
%RSD	4.371	.6361	7.918	1.848	.5943	.2138	22.54	.3459	2.372	.3558
#1	.0041	.0579	.0187	.6035	1.850	.2345	.0031	136.4	.0061	.2047
#2	.0038	.0572	.0162	.5861	1.832	.2338	.0021	137.3	.0062	.2036
#3	.0038	.0579	.0167	.5833	1.829	.2336	.0022	136.7	.0064	.2050

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**-.0014**	**1.154**	**.0005**	**.1743**	**.0011**	**.0010**	**-.0001**	**.4447**
Stddev	.0013	.0013	.003	.0007	.0002	.0004	.0009	.0003	.0006
%RSD	164.8	90.30	.2351	138.2	.1110	34.47	97.69	224.7	.1378
#1	-.0006	-.0024	1.156	.0011	.1742	.0014	.0019	-.0005	.4440
#2	.0019	-.0018	1.151	.0007	.1745	.0013	.0000	.0001	.4449
#3	.0011	.0000	1.155	-.0003	.1741	.0007	.0009	-.0001	.4451

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4426.4**	**59254.**	**17617.**
Stddev	2.2	205.	62.
%RSD	.05000	.34536	.35387
#1	4425.8	59471.	17567.
#2	4428.8	59065.	17599.
#3	4424.5	59224.	17687.

Sample Name: WG1442047-5,C Acquired: 12/8/2020 11:53:24 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0561**	**2.017**	**.1348**	**1.057**	**2.066**	**.0505**	**.2421**	**58.41**	**.0616**	**.5224**
Stddev	.0007	.010	.0008	.004	.004	.0001	.1923	.35	.0001	.0017
%RSD	1.171	.4822	.5807	.3583	.2037	.2019	79.43	.6028	.2112	.3231
#1	.0554	2.021	.1348	1.053	2.070	.0506	.4479	58.78	.0615	.5205
#2	.0563	2.024	.1340	1.057	2.066	.0505	.0671	58.08	.0616	.5232
#3	.0566	2.006	.1355	1.060	2.061	.0504	.2112	58.38	.0617	.5236

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2122**	**.3211**	**.9626**	**10.91**	**10.95**	**.6997**	**1.076**	**141.9**	**.4952**	**.7281**
Stddev	.0005	.0015	.0056	.03	.09	.0021	.005	2.6	.0005	.0020
%RSD	.2240	.4533	.5790	.2660	.8187	.2969	.4549	1.797	.1028	.2790
#1	.2117	.3194	.9685	10.92	11.05	.7021	1.072	140.8	.4947	.7268
#2	.2123	.3219	.9618	10.93	10.90	.6983	1.076	144.8	.4955	.7270
#3	.2126	.3219	.9575	10.87	10.89	.6987	1.081	140.1	.4956	.7304

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5658**	**.1298**	**1.311**	**1.082**	**1.191**	**1.074**	**.1208**	**.5397**	**.9535**
Stddev	.0052	.0007	.004	.002	.002	.001	.0018	.0010	.0004
%RSD	.9220	.5373	.3330	.1630	.1965	.0490	1.478	.1876	.0425
#1	.5622	.1303	1.306	1.080	1.193	1.074	.1192	.5400	.9533
#2	.5634	.1290	1.312	1.082	1.189	1.073	.1203	.5386	.9531
#3	.5717	.1301	1.315	1.083	1.191	1.073	.1227	.5406	.9539

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4388.4**	**59083.**	**17537.**
Stddev	22.0	137.	139.
%RSD	.50120	.23162	.79534
#1	4413.6	58956.	17376.
#2	4378.4	59228.	17607.
#3	4373.2	59065.	17628.

Sample Name: WG1442047-6,C,5 Acquired: 12/8/2020 11:57:57 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment: 10

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0006**	**-.0006**	**.0029**	**.0102**	**-.0000**	**.0648**	**10.49**	**.0014**	**.0001**
Stddev	.0002	.0116	.0009	.0003	.0002	.0001	.0614	.04	.0000	.0001
%RSD	147.1	1820.	155.3	9.090	1.928	231.3	94.82	.3396	1.227	102.5
#1	.0000	.0101	.0004	.0030	.0104	-.0002	.1064	10.54	.0014	.0001
#2	.0003	-.0123	-.0009	.0026	.0101	.0000	-.0058	10.47	.0014	.0001
#3	-.0000	.0041	-.0013	.0030	.0101	.0000	.0938	10.48	.0014	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0180**	**.0040**	**.1394**	**.3971**	**.0487**	**.0027**	**28.38**	**.0013**	**.0420**
Stddev	.0003	.0005	.0010	.0142	.0018	.0004	.0006	.11	.0001	.0013
%RSD	40.91	2.690	25.89	10.20	.4610	.7816	23.44	.3926	9.143	3.123
#1	.0006	.0176	.0033	.1309	.3991	.0484	.0034	28.51	.0014	.0417
#2	.0004	.0179	.0052	.1314	.3965	.0486	.0026	28.33	.0012	.0434
#3	.0009	.0186	.0035	.1558	.3956	.0492	.0021	28.30	.0015	.0409

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0038**	**-.0021**	**.2097**	**-.0001**	**.0359**	**.0005**	**-.0005**	**-.0000**	**.0905**
Stddev	.0003	.0012	.0028	.0001	.0003	.0002	.0010	.0000	.0012
%RSD	7.209	56.15	1.316	181.4	.7049	45.83	206.5	75.63	1.374
#1	.0040	-.0026	.2126	-.0001	.0361	.0007	-.0015	-.0000	.0919
#2	.0039	-.0028	.2095	-.0002	.0356	.0003	.0005	-.0000	.0904
#3	.0035	-.0007	.2071	.0001	.0359	.0005	-.0005	-.0000	.0894

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4610.2**	**62666.**	**18066.**
Stddev	14.3	243.	47.
%RSD	.31006	.38769	.25767
#1	4622.7	62470.	18059.
#2	4594.6	62938.	18116.
#3	4613.4	62590.	18023.

Sample Name: CCV Acquired: 12/8/2020 12:02:38 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5321**	**.4834**	**.5156**	**.5085**	**.4819**	**.4755**	**.6023**	**.4836**	**.4922**	**.4971**
Stddev	.0014	.0017	.0017	.0006	.0051	.0054	.1142	.0108	.0017	.0017
%RSD	.2627	.3452	.3276	.1116	1.057	1.129	18.96	2.238	.3358	.3362
#1	.5305	.4842	.5171	.5091	.4791	.4745	.4728	.4831	.4941	.4990
#2	.5327	.4844	.5138	.5081	.4878	.4813	.6453	.4946	.4911	.4961
#3	.5330	.4814	.5161	.5082	.4789	.4707	.6887	.4730	.4913	.4962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4924**	**.5137**	**.4532**	**5.092**	**.4938**	**.4600**	**.4792**	**10.43**	**.4904**	**.4920**
Stddev	.0015	.0014	.0081	.067	.0127	.0048	.0057	.13	.0022	.0020
%RSD	.2955	.2671	1.797	1.312	2.571	1.042	1.189	1.254	.4526	.4016
#1	.4915	.5152	.4499	5.045	.4876	.4589	.4735	10.34	.4928	.4928
#2	.4941	.5127	.4625	5.169	.5084	.4652	.4793	10.58	.4884	.4935
#3	.4916	.5130	.4472	5.063	.4853	.4558	.4849	10.37	.4899	.4898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5094**	**.5074**	**5.283**	**.5101**	**.5055**	**.5024**	**.5055**	**.5017**	**.4993**
Stddev	.0052	.0016	.011	.0015	.0058	.0011	.0007	.0025	.0016
%RSD	1.021	.3204	.2043	.2983	1.144	.2117	.1422	.4992	.3231
#1	.5043	.5055	5.295	.5097	.5014	.5029	.5056	.5034	.5011
#2	.5092	.5084	5.275	.5089	.5121	.5032	.5048	.4988	.4989
#3	.5147	.5082	5.280	.5119	.5030	.5012	.5062	.5030	.4980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4624.2**	**63406.**	**17991.**
Stddev	5.4	89.	238.
%RSD	.11654	.14034	1.3218
#1	4629.8	63328.	18062.
#2	4623.7	63503.	17725.
#3	4619.1	63388.	18185.

Sample Name: CCB Acquired: 12/8/2020 12:07:05 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0012**	**.0001**	**.0008**	**-.0001**	**-.0000**	**-.0950**	**-.0033**	**.0000**	**-.0001**
Stddev	.0004	.0061	.0002	.0002	.0001	.0000	.0917	.0031	.0000	.0002
%RSD	80.84	485.9	186.5	31.03	110.3	80.29	96.51	94.66	119.3	186.9
#1	.0003	.0057	.0002	.0009	.0000	-.0001	-.0510	-.0065	.0001	-.0001
#2	.0002	-.0050	-.0001	.0005	-.0001	-.0000	-.0336	-.0004	.0000	.0001
#3	.0009	-.0045	.0003	.0009	-.0001	-.0001	-.2005	-.0029	-.0000	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0087**	**.0009**	**.0187**	**-.0001**	**.0001**	**.0053**	**.0164**	**-.0002**	**.0005**
Stddev	.0003	.0001	.0003	.0150	.0020	.0002	.0012	.0051	.0002	.0005
%RSD	74.87	1.367	30.83	80.54	2208.	135.9	22.42	31.26	95.22	104.3
#1	-.0007	.0089	.0009	.0014	.0009	-.0001	.0066	.0124	-.0000	.0008
#2	-.0005	.0086	.0007	.0290	.0012	.0003	.0051	.0146	-.0003	.0006
#3	-.0001	.0087	.0012	.0256	-.0024	.0001	.0042	.0222	-.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0103**	**-.0021**	**-.0211**	**.0024**	**-.0000**	**.0011**	**-.0015**	**.0001**	**-.0002**
Stddev	.0003	.0010	.0011	.0006	.0001	.0003	.0003	.0000	.0001
%RSD	2.655	45.84	5.102	26.09	255.3	28.02	21.82	65.79	28.81
#1	.0099	-.0013	-.0223	.0030	.0000	.0010	-.0011	.0001	-.0002
#2	.0104	-.0018	-.0209	.0017	-.0000	.0009	-.0016	.0001	-.0003
#3	.0104	-.0032	-.0201	.0024	-.0001	.0014	-.0017	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4649.5**	**64362.**	**18107.**
Stddev	19.2	96.	100.
%RSD	.41205	.14844	.55180
#1	4668.0	64468.	18212.
#2	4650.5	64283.	18013.
#3	4629.8	64334.	18097.

Sample Name: L2053444-09,T Acquired: 12/8/2020 12:11:50 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**184.2**	**.1758**	**.0897**	**1.260**	**.0055**	**1.901**	**48.62**	**.0330**	**.1865**
Stddev	.0003	.5	.0013	.0004	.004	.0001	.060	.17	.0001	.0004
%RSD	47.53	.2521	.7125	.4448	.3234	2.349	3.183	.3436	.2201	.2055
#1	.0003	184.6	.1747	.0902	1.259	.0056	1.964	48.79	.0330	.1860
#2	.0010	184.4	.1772	.0894	1.264	.0056	1.844	48.63	.0331	.1866
#3	.0008	183.7	.1756	.0895	1.256	.0054	1.893	48.45	.0331	.1868

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4178**	**1.802**	**374.2**	**54.69**	**75.27**	**5.714**	**.0200**	**11.67**	**.3463**	**3.699**
Stddev	.0026	.006	4.4	.07	.43	.022	.0003	.03	.0006	.005
%RSD	.6121	.3468	1.170	.1315	.5769	.3943	1.300	.2969	.1818	.1331
#1	.4202	1.806	371.9	54.66	75.16	5.736	.0202	11.65	.3457	3.694
#2	.4180	1.805	379.2	54.78	75.75	5.715	.0197	11.71	.3465	3.703
#3	.4151	1.795	371.4	54.65	74.90	5.691	.0202	11.65	.3469	3.700

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2008**	**.0104**	**4.461**	**.2825**	**.4284**	**12.22**	**-.0042**	**.6059**	**3.588**
Stddev	.0006	.0007	.016	.0019	.0012	.09	.0009	.0024	.002
%RSD	.3131	6.310	.3474	.6675	.2742	.7363	21.15	.3924	.0619
#1	.2007	.0097	4.445	.2829	.4278	12.18	-.0050	.6064	3.586
#2	.2015	.0110	4.462	.2841	.4298	12.33	-.0042	.6081	3.589
#3	.2002	.0104	4.476	.2804	.4276	12.17	-.0032	.6034	3.590

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**5092.5**	**70186.**	**21302.**
Stddev	12.5	53.	104.
%RSD	.24567	.07515	.48902
#1	5106.9	70236.	21393.
#2	5084.8	70131.	21189.
#3	5085.7	70192.	21325.

Sample Name: L2053444-10,T Acquired: 12/8/2020 12:16:34 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0048**	**331.8**	**.1805**	**.1776**	**1.317**	**.0081**	**4.194**	**48.71**	**.0121**	**.2579**
Stddev	.0004	3.9	.0003	.0008	.005	.0002	.197	.14	.0001	.0003
%RSD	8.465	1.186	.1519	.4362	.4158	1.944	4.693	.2962	.5831	.1155
#1	-.0046	328.2	.1802	.1768	1.323	.0082	4.215	48.78	.0122	.2575
#2	-.0053	331.2	.1806	.1783	1.316	.0082	3.988	48.54	.0121	.2580
#3	-.0046	336.0	.1807	.1776	1.312	.0079	4.380	48.80	.0122	.2581

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.7271**	**.4820**	**460.0**	**122.8**	**141.2**	**7.231**	**.0055**	**15.13**	**.5027**	**.3204**
Stddev	.0023	.0032	3.0	.3	.6	.014	.0001	.04	.0016	.0011
%RSD	.3211	.6633	.6601	.2231	.4220	.1884	1.439	.2358	.3260	.3339
#1	.7296	.4837	458.7	123.2	141.3	7.246	.0054	15.17	.5009	.3196
#2	.7249	.4783	457.8	122.7	140.6	7.221	.0056	15.10	.5033	.3216
#3	.7269	.4840	463.4	122.7	141.8	7.226	.0056	15.12	.5040	.3199

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0092**	**-.0008**	**5.118**	**.0544**	**.3635**	**21.69**	**-.0104**	**.9316**	**1.187**
Stddev	.0011	.0024	.016	.0009	.0008	.23	.0021	.0026	.004
%RSD	11.50	302.7	.3205	1.633	.2166	1.082	19.77	.2776	.3170
#1	.0081	.0003	5.099	.0534	.3644	21.63	-.0114	.9341	1.183
#2	.0102	.0008	5.124	.0549	.3631	21.50	-.0080	.9290	1.187
#3	.0093	-.0035	5.129	.0550	.3630	21.95	-.0117	.9316	1.191

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**5329.5**	**72916.**	**22549.**
Stddev	12.3	222.	98.
%RSD	.23147	.30451	.43674
#1	5315.4	72753.	22548.
#2	5338.4	73169.	22648.
#3	5334.7	72826.	22451.

Sample Name: L2053444-11,T Acquired: 12/8/2020 12:21:37 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**192.7**	**.1166**	**.2641**	**.6767**	**.0044**	**2.000**	**32.33**	**.0089**	**.1565**
Stddev	.0002	.5	.0009	.0005	.0013	.0001	.107	.10	.0000	.0004
%RSD	11.36	.2460	.7388	.1815	.1863	1.174	5.371	.3082	.3015	.2423
#1	-.0013	193.3	.1156	.2636	.6780	.0043	1.915	32.23	.0089	.1567
#2	-.0016	192.5	.1169	.2645	.6755	.0044	2.121	32.42	.0089	.1561
#3	-.0016	192.4	.1173	.2642	.6768	.0044	1.964	32.34	.0089	.1568

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4653**	**.3816**	**302.1**	**58.84**	**88.75**	**4.118**	**.0390**	**17.36**	**.3054**	**.3734**
Stddev	.0012	.0007	1.6	.05	.12	.012	.0001	.02	.0007	.0005
%RSD	.2680	.1870	.5221	.0867	.1388	.2934	.3597	.1375	.2146	.1330
#1	.4643	.3823	302.0	58.90	88.88	4.105	.0390	17.38	.3048	.3739
#2	.4667	.3817	303.8	58.83	88.73	4.128	.0389	17.36	.3055	.3734
#3	.4650	.3809	300.6	58.80	88.64	4.122	.0392	17.34	.3061	.3729

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0053**	**.0029**	**4.654**	**.0278**	**.2651**	**12.74**	**-.0054**	**.5879**	**1.013**
Stddev	.0005	.0020	.017	.0009	.0006	.23	.0008	.0004	.002
%RSD	8.706	70.25	.3611	3.100	.2111	1.791	15.65	.0745	.1991
#1	.0049	.0048	4.660	.0268	.2657	12.48	-.0059	.5875	1.013
#2	.0058	.0032	4.635	.0284	.2647	12.83	-.0058	.5884	1.010
#3	.0052	.0007	4.666	.0281	.2648	12.90	-.0044	.5880	1.014

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**5024.6**	**69242.**	**21340.**
Stddev	8.8	275.	32.
%RSD	.17456	.39679	.14785
#1	5034.3	69534.	21375.
#2	5022.3	68988.	21313.
#3	5017.2	69205.	21331.

Sample Name: L2053444-12,T Acquired: 12/8/2020 12:26:24 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0030**	**211.4**	**.0657**	**.1060**	**.7152**	**.0049**	**2.737**	**62.11**	**.0094**	**.2004**
Stddev	.0003	.4	.0014	.0012	.0009	.0000	.033	.26	.0001	.0007
%RSD	11.36	.1797	2.112	1.160	.1242	.6118	1.196	.4147	.8923	.3404
#1	-.0030	211.0	.0668	.1048	.7144	.0049	2.705	62.35	.0094	.1998
#2	-.0026	211.6	.0661	.1058	.7161	.0049	2.771	61.84	.0095	.2002
#3	-.0033	211.7	.0641	.1073	.7150	.0049	2.736	62.13	.0095	.2011

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4596**	**.3386**	**339.7**	**60.96**	**101.9**	**7.778**	**.0051**	**15.88**	**.3416**	**.1321**
Stddev	.0028	.0007	7.8	.11	.4	.020	.0004	.01	.0002	.0009
%RSD	.6072	.2081	2.283	.1850	.4074	.2545	7.116	.0864	.0604	.6604
#1	.4577	.3380	347.9	61.04	101.8	7.795	.0049	15.88	.3418	.1314
#2	.4584	.3394	332.5	60.83	101.5	7.756	.0055	15.90	.3414	.1331
#3	.4628	.3385	338.6	61.01	102.3	7.782	.0049	15.88	.3417	.1318

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022**	**.0024**	**4.688**	**-.0047**	**.2748**	**14.05**	**-.0052**	**.6482**	**.8215**
Stddev	.0006	.0008	.004	.0007	.0003	.14	.0011	.0005	.0011
%RSD	25.93	32.82	.0784	15.72	.1133	1.012	20.89	.0819	.1289
#1	.0024	.0023	4.684	-.0043	.2746	14.21	-.0041	.6476	.8205
#2	.0016	.0017	4.690	-.0044	.2751	14.00	-.0052	.6486	.8226
#3	.0026	.0032	4.690	-.0056	.2746	13.93	-.0062	.6484	.8214

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**5254.7**	**71293.**	**21876.**
Stddev	7.6	292.	121.
%RSD	.14470	.40995	.55498
#1	5263.3	70994.	21750.
#2	5251.5	71578.	21992.
#3	5249.1	71308.	21885.

Sample Name: L2053444-13,T Acquired: 12/8/2020 12:31:11 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**106.8**	**.0751**	**.2069**	**.1678**	**.0017**	**1.142**	**17.78**	**.0054**	**.0786**
Stddev	.0001	.4	.0014	.0006	.0005	.0001	.103	.06	.0000	.0005
%RSD	9.992	.3526	1.805	.2762	.2975	5.257	8.981	.3282	.4918	.5827
#1	-.0014	107.1	.0753	.2067	.1681	.0018	1.216	17.84	.0054	.0783
#2	-.0012	106.8	.0763	.2065	.1680	.0016	1.186	17.77	.0054	.0783
#3	-.0014	106.4	.0736	.2076	.1672	.0017	1.025	17.72	.0054	.0791

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2184**	**.1160**	**172.9**	**18.56**	**48.40**	**1.971**	**.0548**	**16.07**	**.1598**	**.0615**
Stddev	.0010	.0004	2.5	.08	.30	.004	.0005	.04	.0005	.0018
%RSD	.4370	.3380	1.423	.4429	.6105	.1772	.9596	.2252	.3303	2.928
#1	.2195	.1163	175.2	18.60	48.66	1.975	.0546	16.10	.1592	.0613
#2	.2182	.1156	170.3	18.61	48.44	1.969	.0543	16.08	.1599	.0598
#3	.2176	.1161	173.4	18.47	48.08	1.968	.0553	16.03	.1602	.0634

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0027**	**.0019**	**5.155**	**-.0035**	**.1710**	**7.324**	**-.0041**	**.3675**	**.3700**
Stddev	.0010	.0032	.020	.0005	.0001	.013	.0013	.0009	.0005
%RSD	37.30	168.4	.3774	14.15	.0449	.1772	32.16	.2543	.1296
#1	.0015	.0020	5.161	-.0041	.1710	7.331	-.0056	.3686	.3695
#2	.0032	.0051	5.134	-.0034	.1709	7.309	-.0031	.3671	.3700
#3	.0034	-.0014	5.171	-.0032	.1711	7.332	-.0035	.3668	.3705

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4766.5**	**65415.**	**19734.**
Stddev	5.6	283.	85.
%RSD	.11811	.43313	.43310
#1	4761.8	65379.	19636.
#2	4772.8	65715.	19777.
#3	4765.0	65152.	19789.

Sample Name: L2053444-14,T Acquired: 12/8/2020 12:35:48 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0030**	**204.7**	**.0701**	**.1344**	**.6355**	**.0052**	**2.096**	**29.60**	**.0077**	**.1549**
Stddev	.0001	.2	.0013	.0010	.0014	.0000	.303	.01	.0001	.0007
%RSD	3.847	.0734	1.862	.7506	.2201	.9344	14.45	.0420	.9181	.4537
#1	-.0031	204.6	.0715	.1349	.6354	.0052	1.748	29.60	.0077	.1544
#2	-.0029	204.8	.0689	.1332	.6342	.0052	2.241	29.61	.0076	.1546
#3	-.0031	204.8	.0700	.1351	.6370	.0053	2.299	29.58	.0077	.1557

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4189**	**.2894**	**306.6**	**51.28**	**80.39**	**3.480**	**.0031**	**28.13**	**.2962**	**.1185**
Stddev	.0039	.0029	2.4	.03	.88	.002	.0004	.06	.0009	.0011
%RSD	.9299	1.001	.7720	.0524	1.095	.0587	12.56	.2118	.2931	.9162
#1	.4178	.2873	303.9	51.29	80.49	3.482	.0026	28.12	.2958	.1189
#2	.4233	.2927	307.9	51.25	81.22	3.478	.0034	28.07	.2957	.1173
#3	.4157	.2883	308.1	51.30	79.47	3.480	.0033	28.19	.2973	.1193

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026**	**.0007**	**7.294**	**-.0046**	**.2104**	**13.18**	**-.0088**	**.6006**	**.7302**
Stddev	.0018	.0008	.035	.0012	.0003	.15	.0004	.0049	.0011
%RSD	70.33	110.5	.4855	25.05	.1652	1.175	4.188	.8176	.1550
#1	.0014	.0010	7.276	-.0046	.2102	13.01	-.0084	.5975	.7312
#2	.0047	-.0002	7.272	-.0035	.2101	13.26	-.0090	.6062	.7290
#3	.0017	.0014	7.335	-.0058	.2108	13.29	-.0090	.5981	.7304

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**5258.1**	**71013.**	**21757.**
Stddev	12.6	438.	89.
%RSD	.23899	.61707	.41045
#1	5262.4	71519.	21771.
#2	5268.0	70750.	21662.
#3	5244.0	70770.	21839.

Sample Name: L2053444-15,T Acquired: 12/8/2020 12:40:34 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**84.37**	**.0954**	**.0501**	**.9363**	**.0029**	**.9583**	**56.38**	**.0113**	**.1119**
Stddev	.0005	.24	.0002	.0005	.0019	.0000	.0668	.13	.0001	.0004
%RSD	863.8	.2836	.2513	.9001	.2079	1.277	6.969	.2358	.5137	.3299
#1	.0003	84.29	.0952	.0500	.9351	.0028	.9430	56.26	.0113	.1117
#2	-.0006	84.18	.0956	.0496	.9353	.0029	.9005	56.36	.0113	.1117
#3	.0005	84.64	.0956	.0505	.9386	.0029	1.031	56.52	.0114	.1123

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2131**	**.9322**	**251.7**	**9.520**	**38.41**	**2.889**	**.0150**	**3.822**	**.2241**	**2.090**
Stddev	.0008	.0025	1.9	.011	.23	.009	.0003	.012	.0005	.006
%RSD	.3809	.2686	.7668	.1109	.5886	.2985	1.783	.3251	.2112	.2780
#1	.2135	.9300	251.4	9.511	38.15	2.886	.0150	3.810	.2237	2.084
#2	.2136	.9316	253.7	9.518	38.50	2.882	.0147	3.821	.2240	2.091
#3	.2122	.9349	249.9	9.532	38.57	2.899	.0153	3.835	.2246	2.095

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0826**	**.0064**	**5.488**	**.1255**	**.3552**	**6.162**	**-.0025**	**.4767**	**2.388**
Stddev	.0009	.0014	.016	.0008	.0007	.010	.0012	.0008	.007
%RSD	1.071	21.28	.2931	.6554	.1977	.1558	47.57	.1613	.2800
#1	.0824	.0067	5.479	.1252	.3546	6.166	-.0020	.4775	2.385
#2	.0819	.0077	5.478	.1248	.3550	6.152	-.0016	.4767	2.383
#3	.0836	.0050	5.506	.1264	.3560	6.170	-.0039	.4759	2.396

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4863.2**	**67004.**	**20021.**
Stddev	18.0	39.	168.
%RSD	.36917	.05762	.84039
#1	4878.5	66985.	20215.
#2	4867.5	66980.	19930.
#3	4843.4	67049.	19918.

Sample Name: CCV Acquired: 12/8/2020 12:46:20 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5358**	**.4853**	**.5171**	**.5113**	**.4763**	**.4643**	**.5913**	**.4727**	**.4936**	**.4994**
Stddev	.0009	.0040	.0018	.0019	.0013	.0023	.3488	.0082	.0017	.0015
%RSD	.1695	.8322	.3439	.3681	.2731	.4971	58.99	1.726	.3427	.3020
#1	.5367	.4897	.5170	.5091	.4749	.4616	.7058	.4666	.4918	.4978
#2	.5359	.4844	.5153	.5120	.4774	.4659	.1997	.4819	.4941	.4996
#3	.5349	.4818	.5189	.5127	.4764	.4654	.8685	.4695	.4951	.5007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4929**	**.5154**	**.4577**	**5.130**	**.4871**	**.4490**	**.4819**	**10.35**	**.4931**	**.4948**
Stddev	.0025	.0010	.0050	.052	.0049	.0041	.0087	.04	.0017	.0043
%RSD	.5023	.1890	1.097	1.020	1.001	.9195	1.809	.3864	.3363	.8755
#1	.4910	.5151	.4519	5.069	.4824	.4443	.4727	10.31	.4912	.4903
#2	.4921	.5147	.4609	5.159	.4869	.4513	.4830	10.39	.4936	.4990
#3	.4957	.5165	.4603	5.161	.4921	.4516	.4901	10.35	.4944	.4952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5086**	**.5106**	**5.329**	**.5131**	**.4995**	**.5076**	**.5092**	**.5032**	**.5007**
Stddev	.0101	.0027	.017	.0025	.0011	.0011	.0027	.0016	.0017
%RSD	1.986	.5335	.3268	.4938	.2211	.2073	.5339	.3127	.3478
#1	.4991	.5084	5.311	.5106	.4991	.5064	.5060	.5015	.4987
#2	.5075	.5098	5.330	.5129	.5007	.5080	.5107	.5034	.5016
#3	.5192	.5136	5.345	.5157	.4987	.5084	.5107	.5046	.5019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4600.0**	**63225.**	**18181.**
Stddev	19.4	91.	83.
%RSD	.42159	.14343	.45683
#1	4618.7	63310.	18218.
#2	4601.4	63130.	18239.
#3	4579.9	63235.	18086.

Sample Name: CCB Acquired: 12/8/2020 12:50:47 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**-.0142**	**-.0009**	**.0005**	**.0001**	**-.0001**	**-.1070**	**-.0023**	**.0000**	**-.0002**
Stddev	.0003	.0036	.0012	.0005	.0000	.0000	.1554	.0019	.0000	.0001
%RSD	54.99	25.66	135.0	111.1	30.79	50.64	145.3	85.22	37.35	56.67
#1	.0008	-.0129	-.0010	.0004	.0001	-.0000	-.1060	-.0036	.0000	-.0002
#2	.0003	-.0114	.0004	.0011	.0001	-.0001	.0479	-.0000	.0000	-.0001
#3	.0004	-.0183	-.0020	.0000	.0002	-.0001	-.2629	-.0032	.0000	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0091**	**.0054**	**.0243**	**.0005**	**.0004**	**.0047**	**.0033**	**-.0000**	**-.0002**
Stddev	.0002	.0002	.0008	.0206	.0036	.0002	.0010	.0058	.0003	.0008
%RSD	39.56	2.641	15.10	84.75	725.5	63.48	22.34	173.3	6365.	479.0
#1	-.0006	.0093	.0045	.0090	-.0014	.0002	.0058	.0021	-.0002	-.0000
#2	-.0004	.0089	.0061	.0161	-.0017	.0003	.0043	-.0018	.0003	-.0010
#3	-.0003	.0092	.0056	.0477	.0046	.0007	.0038	.0096	-.0001	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0113**	**.0005**	**-.0148**	**.0023**	**.0000**	**.0013**	**-.0021**	**-.0001**	**.0001**
Stddev	.0024	.0008	.0007	.0005	.0001	.0000	.0009	.0003	.0001
%RSD	21.62	156.8	4.488	23.34	1171.	3.519	44.05	418.7	149.7
#1	.0140	-.0002	-.0141	.0025	-.0001	.0013	-.0032	.0002	.0002
#2	.0106	.0003	-.0149	.0028	-.0000	.0013	-.0014	-.0004	.0000
#3	.0093	.0013	-.0154	.0017	.0001	.0012	-.0017	.0000	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4600.7**	**63807.**	**17992.**
Stddev	7.8	39.	51.
%RSD	.16984	.06172	.28109
#1	4601.1	63762.	17976.
#2	4608.2	63824.	18049.
#3	4592.6	63835.	17952.

Sample Name: WG1442050-1,C Acquired: 12/8/2020 12:56:31 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment: 1

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0006**	**-.0002**	**.0040**	**.0006**	**-.0000**	**-.0000**	**.0241**	**.0000**	**.0001**
Stddev	.0001	.0039	.0022	.0004	.0001	.0001	.0612	.0035	.0000	.0002
%RSD	33.18	604.5	1087.	10.51	22.52	186.2	129000.	14.41	31.19	292.7
#1	.0003	.0038	-.0000	.0040	.0007	-.0002	.0573	.0244	.0001	-.0000
#2	.0006	-.0023	-.0025	.0045	.0004	.0000	-.0646	.0206	.0000	-.0001
#3	.0004	-.0034	.0019	.0036	.0006	-.0000	.0071	.0275	.0001	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0032**	**.0083**	**.0212**	**.0736**	**.0049**	**.0010**	**.0012**	**142.1**	**.0019**	**-.0000**
Stddev	.0005	.0002	.0009	.0209	.0026	.0001	.0001	2.1	.0003	.0012
%RSD	15.73	2.528	4.047	28.35	53.78	6.939	7.904	1.461	14.90	4844.
#1	.0035	.0083	.0222	.0770	.0046	.0010	.0013	142.0	.0019	.0009
#2	.0026	.0081	.0206	.0513	.0076	.0010	.0011	140.0	.0016	.0004
#3	.0034	.0085	.0207	.0926	.0024	.0011	.0012	144.2	.0022	-.0014

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039**	**-.0019**	**.0075**	**.0015**	**.0003**	**.0009**	**.0004**	**.0001**	**.0047**
Stddev	.0005	.0013	.0011	.0009	.0001	.0002	.0009	.0003	.0001
%RSD	13.44	69.73	14.77	59.20	25.20	21.37	217.1	228.7	2.101
#1	.0044	-.0004	.0064	.0023	.0003	.0011	.0004	.0002	.0046
#2	.0034	-.0024	.0086	.0016	.0003	.0009	.0014	.0004	.0048
#3	.0040	-.0029	.0075	.0005	.0002	.0007	-.0005	-.0002	.0047

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4422.1**	**59501.**	**17548.**
Stddev	12.1	135.	91.
%RSD	.27367	.22623	.51633
#1	4415.0	59345.	17626.
#2	4436.1	59586.	17569.
#3	4415.3	59570.	17449.

Sample Name: WG1442050-2,C Acquired: 12/8/2020 13:01:23 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0537**	**1.964**	**.1317**	**1.024**	**1.955**	**.0481**	**.3928**	**9.765**	**.0544**	**.5081**
Stddev	.0001	.010	.0011	.002	.002	.0002	.1665	.012	.0001	.0006
%RSD	.0935	.5239	.8400	.2284	.1243	.3655	42.40	.1214	.1360	.1147
#1	.0537	1.952	.1305	1.025	1.953	.0480	.2849	9.773	.0544	.5085
#2	.0536	1.972	.1319	1.022	1.954	.0482	.5846	9.771	.0544	.5075
#3	.0537	1.967	.1327	1.026	1.958	.0479	.3089	9.751	.0545	.5084

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2069**	**.2670**	**.9283**	**10.19**	**8.947**	**.4498**	**1.060**	**150.9**	**.4803**	**.5183**
Stddev	.0004	.0006	.0006	.03	.035	.0006	.003	1.8	.0018	.0018
%RSD	.1836	.2217	.0630	.2704	.3903	.1251	.2823	1.171	.3662	.3420
#1	.2071	.2673	.9290	10.15	8.985	.4500	1.057	152.7	.4786	.5163
#2	.2065	.2663	.9279	10.20	8.916	.4492	1.060	150.7	.4802	.5196
#3	.2071	.2673	.9281	10.21	8.940	.4503	1.063	149.2	.4821	.5190

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5767**	**.1267**	**.8645**	**1.060**	**.9932**	**1.050**	**.1184**	**.5205**	**.5254**
Stddev	.0003	.0006	.0022	.002	.0019	.003	.0016	.0007	.0002
%RSD	.0595	.4649	.2508	.1430	.1954	.2998	1.358	.1270	.0460
#1	.5764	.1273	.8621	1.059	.9925	1.053	.1199	.5213	.5252
#2	.5765	.1261	.8650	1.059	.9918	1.047	.1184	.5200	.5256
#3	.5770	.1268	.8663	1.061	.9954	1.051	.1167	.5203	.5253

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4375.7**	**59284.**	**17484.**
Stddev	4.4	35.	59.
%RSD	.10112	.05946	.33530
#1	4371.3	59278.	17465.
#2	4375.8	59321.	17550.
#3	4380.1	59252.	17437.

Sample Name: L2053177-01,C Acquired: 12/8/2020 13:05:58 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0246**	**.0021**	**.0101**	**.0227**	**-.0001**	**.1232**	**7.555**	**.0006**	**.0035**
Stddev	.0002	.0057	.0004	.0004	.0002	.0000	.3030	.033	.0000	.0001
%RSD	110.8	23.27	19.32	4.228	.8193	64.38	245.9	.4322	.7610	3.041
#1	.0003	.0273	.0017	.0106	.0227	-.0000	.1089	7.520	.0006	.0034
#2	.0004	.0286	.0021	.0098	.0229	-.0001	.4332	7.585	.0006	.0036
#3	-.0001	.0181	.0025	.0098	.0225	-.0001	-.1724	7.559	.0005	.0035

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0031**	**.0124**	**.0527**	**.8569**	**.2749**	**.3457**	**.0033**	**134.6**	**.0053**	**.0049**
Stddev	.0004	.0003	.0026	.0265	.0038	.0007	.0006	.9	.0001	.0012
%RSD	14.10	2.383	4.998	3.098	1.400	.1972	16.80	.6866	2.206	24.81
#1	.0030	.0122	.0553	.8873	.2724	.3453	.0039	135.7	.0052	.0043
#2	.0027	.0127	.0500	.8457	.2793	.3465	.0032	134.0	.0055	.0041
#3	.0036	.0122	.0529	.8378	.2729	.3453	.0028	134.1	.0053	.0063

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**-.0019**	**.2566**	**.0007**	**.0516**	**.0009**	**-.0017**	**.0004**	**.2751**
Stddev	.0001	.0011	.0013	.0005	.0001	.0004	.0013	.0002	.0003
%RSD	4.383	58.32	.5165	77.93	.1024	47.65	75.38	44.37	.1204
#1	.0013	-.0018	.2560	.0012	.0516	.0012	-.0028	.0006	.2752
#2	.0012	-.0008	.2581	.0007	.0517	.0004	-.0003	.0003	.2748
#3	.0014	-.0030	.2556	.0001	.0516	.0011	-.0021	.0002	.2754

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4404.5**	**59526.**	**17714.**
Stddev	11.7	249.	57.
%RSD	.26504	.41869	.32136
#1	4411.7	59808.	17777.
#2	4391.0	59336.	17666.
#3	4410.8	59434.	17698.

Sample Name: L2053435-02,C Acquired: 12/8/2020 13:10:44 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0820**	**.0000**	**.0300**	**.0483**	**.0000**	**.0254**	**4.668**	**.0009**	**.0070**
Stddev	.0001	.0053	.0012	.0002	.0004	.0001	.2918	.022	.0000	.0002
%RSD	11.03	6.507	4708.	.7589	.8812	1052.	1147.	.4666	3.224	3.549
#1	.0004	.0874	.0012	.0301	.0483	.0001	-.3108	4.656	.0010	.0067
#2	.0005	.0767	-.0012	.0297	.0478	.0000	.1744	4.656	.0009	.0072
#3	.0005	.0818	.0001	.0302	.0486	-.0001	.2127	4.693	.0009	.0072

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0117**	**1.481**	**.3088**	**.3447**	**.2930**	**.0010**	**139.2**	**.0134**	**.1071**
Stddev	.0001	.0004	.010	.0060	.0009	.0020	.0001	.6	.0001	.0008
%RSD	1.900	3.586	.6816	1.927	.2660	.6981	8.871	.4214	1.103	.7846
#1	.0041	.0113	1.480	.3080	.3457	.2928	.0010	139.9	.0135	.1066
#2	.0040	.0121	1.471	.3033	.3444	.2911	.0009	138.8	.0135	.1080
#3	.0042	.0117	1.492	.3151	.3439	.2952	.0010	138.9	.0132	.1066

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**-.0019**	**.4341**	**.0005**	**.0202**	**.0001**	**-.0021**	**.0008**	**.1169**
Stddev	.0015	.0023	.0025	.0006	.0002	.0005	.0016	.0003	.0003
%RSD	100.0	117.1	.5724	113.8	.7667	364.0	77.74	31.58	.2216
#1	.0007	-.0039	.4337	.0005	.0200	-.0004	-.0010	.0006	.1171
#2	.0006	.0005	.4319	.0011	.0201	.0004	-.0040	.0011	.1166
#3	.0033	-.0024	.4368	-.0000	.0203	.0004	-.0013	.0008	.1170

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4406.4**	**59425.**	**17647.**
Stddev	16.8	144.	21.
%RSD	.38209	.24281	.12125
#1	4421.1	59475.	17671.
#2	4410.2	59538.	17639.
#3	4388.1	59263.	17631.

Sample Name: L2053435-04,C Acquired: 12/8/2020 13:15:32 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0380**	**-.0016**	**.0466**	**.0307**	**-.0000**	**-.0201**	**1.508**	**.0001**	**.0012**
Stddev	.0003	.0079	.0008	.0003	.0002	.0000	.1452	.008	.0000	.0001
%RSD	67.40	20.65	48.80	.5839	.5501	472.1	723.8	.5449	5.322	9.472
#1	.0001	.0430	-.0009	.0469	.0308	-.0000	-.1247	1.515	.0001	.0012
#2	.0007	.0421	-.0025	.0464	.0305	.0000	-.0812	1.511	.0001	.0012
#3	.0006	.0290	-.0016	.0465	.0307	.0000	.1457	1.499	.0001	.0014

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0032**	**.0116**	**.0186**	**.3031**	**.2790**	**.2425**	**.0001**	**130.7**	**.0027**	**.0011**
Stddev	.0004	.0001	.0009	.0427	.0024	.0004	.0001	.9	.0002	.0012
%RSD	12.01	1.092	4.683	14.09	.8775	.1743	61.10	.6841	7.425	108.8
#1	.0033	.0115	.0180	.3051	.2815	.2429	.0002	131.4	.0025	.0009
#2	.0027	.0117	.0196	.2594	.2790	.2424	.0001	129.7	.0029	.0023
#3	.0034	.0117	.0182	.3447	.2766	.2421	.0001	130.9	.0028	-.0000

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**-.0022**	**.0940**	**.0009**	**.0083**	**.0004**	**-.0009**	**-.0001**	**.0162**
Stddev	.0008	.0003	.0005	.0007	.0001	.0001	.0008	.0001	.0001
%RSD	133.6	13.37	.5060	80.61	.8867	29.72	83.28	68.34	.4827
#1	-.0007	-.0020	.0945	.0008	.0084	.0005	-.0018	-.0001	.0162
#2	-.0014	-.0020	.0940	.0002	.0084	.0003	-.0003	-.0000	.0163
#3	.0003	-.0025	.0936	.0016	.0082	.0005	-.0007	-.0002	.0162

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4420.5**	**59502.**	**17655.**
Stddev	11.1	332.	111.
%RSD	.25068	.55820	.63089
#1	4432.2	59120.	17581.
#2	4410.2	59725.	17783.
#3	4419.2	59660.	17601.

Sample Name: L2053652-02,C Acquired: 12/8/2020 13:20:15 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0221**	**.0004**	**.0408**	**.0293**	**-.0001**	**.0886**	**14.42**	**.0001**	**.0022**
Stddev	.0003	.0102	.0019	.0002	.0004	.0001	.0582	.23	.0000	.0001
%RSD	40.31	46.21	535.5	.4942	1.219	77.13	65.71	1.568	28.61	4.744
#1	.0010	.0311	.0025	.0410	.0297	-.0000	.0230	14.68	.0001	.0023
#2	.0005	.0110	-.0006	.0406	.0292	-.0001	.1087	14.27	.0001	.0021
#3	.0006	.0242	-.0008	.0408	.0290	-.0001	.1342	14.32	.0001	.0022

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0037**	**.0088**	**.6175**	**.7173**	**2.185**	**.0891**	**.0003**	**143.0**	**.0051**	**.0045**
Stddev	.0000	.0006	.0066	.0106	.018	.0012	.0001	.8	.0002	.0009
%RSD	.8283	6.570	1.071	1.478	.8080	1.319	21.35	.5582	4.291	20.89
#1	.0037	.0094	.6251	.7257	2.205	.0905	.0002	144.0	.0053	.0054
#2	.0037	.0086	.6141	.7208	2.177	.0885	.0002	142.7	.0052	.0046
#3	.0037	.0083	.6133	.7054	2.173	.0884	.0004	142.5	.0049	.0035

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**-.0017**	**.2090**	**.0014**	**.0337**	**.0002**	**-.0022**	**.0000**	**.0648**
Stddev	.0026	.0013	.0017	.0001	.0007	.0001	.0010	.0002	.0001
%RSD	183.7	76.49	.8334	5.047	2.092	49.47	47.78	492.9	.1372
#1	-.0042	-.0015	.2077	.0015	.0345	.0003	-.0012	.0001	.0649
#2	.0010	-.0032	.2110	.0013	.0334	.0003	-.0022	.0002	.0647
#3	-.0011	-.0006	.2085	.0014	.0332	.0001	-.0032	-.0002	.0649

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4393.6**	**59146.**	**17415.**
Stddev	10.1	86.	193.
%RSD	.23067	.14610	1.1065
#1	4400.9	59051.	17193.
#2	4382.0	59220.	17536.
#3	4397.9	59167.	17516.

Sample Name: WG1442050-3,C Acquired: 12/8/2020 13:25:04 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0540**	**1.975**	**.1321**	**1.065**	**1.955**	**.0473**	**.4776**	**23.45**	**.0542**	**.5087**
Stddev	.0001	.006	.0010	.002	.006	.0002	.2139	.11	.0002	.0018
%RSD	.2173	.2872	.7325	.2209	.3224	.4604	44.78	.4812	.3226	.3618
#1	.0540	1.975	.1332	1.065	1.957	.0476	.3704	23.56	.0541	.5096
#2	.0542	1.969	.1315	1.063	1.947	.0472	.3386	23.33	.0541	.5066
#3	.0540	1.980	.1315	1.068	1.959	.0472	.7239	23.44	.0544	.5099

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2066**	**.2658**	**1.482**	**10.79**	**11.08**	**.5238**	**1.062**	**148.2**	**.4817**	**.5183**
Stddev	.0006	.0004	.009	.05	.05	.0023	.004	.8	.0016	.0020
%RSD	.2709	.1517	.6318	.4858	.4636	.4341	.3712	.5585	.3219	.3915
#1	.2072	.2656	1.493	10.82	11.13	.5264	1.062	149.0	.4834	.5190
#2	.2062	.2663	1.476	10.73	11.03	.5223	1.059	148.2	.4803	.5160
#3	.2064	.2656	1.478	10.82	11.09	.5227	1.067	147.4	.4814	.5198

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5743**	**.1259**	**1.067**	**1.063**	**1.024**	**1.055**	**.1161**	**.5200**	**.5782**
Stddev	.0011	.0010	.004	.003	.004	.001	.0010	.0012	.0012
%RSD	.1991	.7997	.4055	.3131	.3834	.1359	.8497	.2353	.2126
#1	.5747	.1261	1.065	1.061	1.027	1.055	.1166	.5205	.5783
#2	.5730	.1248	1.064	1.060	1.020	1.054	.1167	.5186	.5769
#3	.5752	.1268	1.072	1.066	1.026	1.057	.1149	.5209	.5794

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4355.1**	**58831.**	**17473.**
Stddev	1.9	132.	109.
%RSD	.04282	.22431	.62628
#1	4353.6	58744.	17387.
#2	4357.2	58983.	17596.
#3	4354.5	58766.	17435.

Sample Name: WG1442050-4,C Acquired: 12/8/2020 13:29:40 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0282**	**-.0000**	**.0408**	**.0285**	**-.0001**	**-.1616**	**14.12**	**.0001**	**.0022**
Stddev	.0000	.0072	.0012	.0003	.0002	.0000	.1796	.03	.0000	.0001
%RSD	9.703	25.33	13740.	.8549	.5664	40.23	111.2	.2043	17.68	6.159
#1	.0005	.0354	-.0012	.0404	.0287	-.0001	-.2159	14.13	.0001	.0024
#2	.0004	.0283	-.0002	.0409	.0284	-.0001	.0389	14.09	.0001	.0021
#3	.0004	.0211	.0013	.0411	.0284	-.0001	-.3077	14.14	.0001	.0022

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0037**	**.0092**	**.5996**	**.7100**	**2.154**	**.0835**	**.0033**	**141.1**	**.0049**	**.0056**
Stddev	.0003	.0006	.0045	.0155	.016	.0001	.0007	1.3	.0003	.0015
%RSD	9.441	6.212	.7526	2.178	.7567	.0827	20.99	.9307	5.471	27.78
#1	.0035	.0095	.5946	.7028	2.153	.0836	.0040	142.5	.0050	.0038
#2	.0035	.0095	.6033	.6995	2.170	.0835	.0033	140.7	.0050	.0065
#3	.0041	.0085	.6010	.7278	2.137	.0835	.0026	140.0	.0046	.0064

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**-.0021**	**.2066**	**.0013**	**.0329**	**.0003**	**-.0002**	**.0000**	**.0642**
Stddev	.0009	.0003	.0020	.0005	.0001	.0001	.0009	.0001	.0003
%RSD	95.90	12.85	.9688	39.32	.3785	36.33	406.6	879.3	.4822
#1	.0012	-.0019	.2057	.0010	.0327	.0003	.0006	-.0001	.0642
#2	.0016	-.0024	.2053	.0010	.0329	.0002	-.0013	.0000	.0645
#3	-.0001	-.0019	.2089	.0019	.0329	.0005	-.0000	.0002	.0638

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4394.2**	**59367.**	**17492.**
Stddev	11.4	170.	89.
%RSD	.25904	.28713	.50867
#1	4405.4	59350.	17408.
#2	4394.5	59545.	17585.
#3	4382.6	59206.	17483.

Sample Name: WG1442050-5,C Acquired: 12/8/2020 13:34:26 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0567**	**2.050**	**.1372**	**1.090**	**2.039**	**.0493**	**.3458**	**23.38**	**.0561**	**.5286**
Stddev	.0002	.006	.0018	.002	.001	.0001	.0785	.06	.0001	.0005
%RSD	.4260	.2848	1.312	.2236	.0444	.2260	22.70	.2592	.2127	.0904
#1	.0568	2.055	.1368	1.089	2.039	.0494	.2960	23.35	.0560	.5285
#2	.0568	2.052	.1357	1.093	2.038	.0492	.4363	23.35	.0562	.5291
#3	.0564	2.044	.1392	1.088	2.039	.0492	.3052	23.45	.0561	.5282

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2153**	**.2759**	**1.502**	**11.09**	**11.40**	**.5431**	**1.091**	**149.9**	**.5025**	**.5421**
Stddev	.0014	.0004	.003	.02	.15	.0008	.003	2.5	.0019	.0014
%RSD	.6351	.1625	.2075	.1811	1.297	.1448	.2254	1.639	.3708	.2558
#1	.2137	.2764	1.499	11.07	11.38	.5424	1.088	148.2	.5021	.5408
#2	.2161	.2755	1.505	11.10	11.27	.5430	1.093	148.7	.5046	.5436
#3	.2161	.2759	1.502	11.09	11.56	.5440	1.092	152.7	.5009	.5421

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5681**	**.1308**	**.3806**	**1.093**	**1.051**	**1.082**	**.1229**	**.5425**	**.5996**
Stddev	.0052	.0010	.0006	.003	.002	.001	.0016	.0004	.0004
%RSD	.9113	.7355	.1499	.2607	.1859	.0839	1.265	.0761	.0648
#1	.5623	.1300	.3802	1.093	1.053	1.082	.1213	.5424	.5994
#2	.5722	.1319	.3812	1.096	1.050	1.082	.1244	.5430	.6000
#3	.5699	.1305	.3802	1.090	1.049	1.081	.1230	.5422	.5993

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4360.1**	**59086.**	**17478.**
Stddev	6.0	319.	93.
%RSD	.13784	.53965	.53175
#1	4360.3	59107.	17498.
#2	4353.9	58757.	17560.
#3	4365.9	59394.	17377.

Sample Name: WG1442050-6,5,C Acquired: 12/8/2020 13:39:02 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment: 10

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0027**	**.0001**	**.0090**	**.0059**	**-.0001**	**.2108**	**2.908**	**-.0000**	**.0004**
Stddev	.0003	.0013	.0004	.0001	.0002	.0000	.0557	.014	.0000	.0002
%RSD	439.3	48.73	336.5	1.297	2.576	19.32	26.42	.4940	112.8	42.39
#1	.0004	-.0032	-.0002	.0088	.0060	-.0001	.1614	2.924	-.0000	.0004
#2	-.0001	-.0037	.0006	.0090	.0061	-.0001	.1999	2.903	-.0000	.0005
#3	-.0001	-.0012	.0000	.0090	.0058	-.0001	.2712	2.897	.0000	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0094**	**.1245**	**.1681**	**.4688**	**.0179**	**.0027**	**29.37**	**.0012**	**.0003**
Stddev	.0003	.0007	.0020	.0096	.0057	.0004	.0005	.10	.0002	.0006
%RSD	69.06	7.120	1.627	5.727	1.211	2.021	18.26	.3363	15.32	205.6
#1	.0004	.0093	.1265	.1572	.4753	.0176	.0032	29.48	.0010	.0008
#2	.0007	.0102	.1225	.1716	.4649	.0183	.0027	29.35	.0013	-.0004
#3	.0002	.0088	.1244	.1754	.4661	.0178	.0022	29.29	.0013	.0004

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0038**	**-.0023**	**.0218**	**-.0002**	**.0066**	**.0005**	**-.0009**	**.0001**	**.0127**
Stddev	.0002	.0016	.0011	.0002	.0001	.0002	.0007	.0003	.0000
%RSD	5.187	70.92	4.849	88.68	.7647	38.16	71.96	209.5	.3102
#1	.0040	-.0034	.0229	-.0000	.0066	.0007	-.0008	-.0002	.0127
#2	.0037	-.0004	.0209	-.0002	.0067	.0005	-.0017	.0002	.0128
#3	.0037	-.0029	.0215	-.0003	.0066	.0003	-.0003	.0004	.0127

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4539.3**	**62202.**	**17787.**
Stddev	9.8	363.	34.
%RSD	.21497	.58319	.19093
#1	4549.1	62565.	17748.
#2	4529.6	61839.	17810.
#3	4539.2	62202.	17804.

Sample Name: CCV Acquired: 12/8/2020 13:43:45 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5438**	**.4911**	**.5230**	**.5134**	**.4696**	**.4578**	**.4967**	**.4691**	**.5011**	**.5046**
Stddev	.0027	.0052	.0021	.0010	.0005	.0007	.0523	.0043	.0003	.0005
%RSD	.4991	1.066	.4025	.1873	.0992	.1422	10.54	.9271	.0570	.0926
#1	.5442	.4942	.5224	.5132	.4701	.4581	.4891	.4740	.5013	.5043
#2	.5409	.4851	.5253	.5125	.4692	.4571	.5524	.4657	.5008	.5044
#3	.5463	.4941	.5212	.5144	.4694	.4584	.4486	.4675	.5012	.5051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4963**	**.5192**	F **.4315**	**5.129**	**.4872**	F **.4368**	**.4851**	**10.37**	**.4966**	**.5005**
Stddev	.0012	.0007	.0018	.013	.0023	.0008	.0069	.01	.0005	.0011
%RSD	.2370	.1261	.4079	.2430	.4668	.1746	1.422	.1204	.1033	.2133
#1	.4966	.5199	.4304	5.136	.4879	.4362	.4782	10.36	.4969	.5016
#2	.4950	.5188	.4335	5.135	.4846	.4365	.4851	10.36	.4969	.5005
#3	.4973	.5188	.4305	5.114	.4890	.4376	.4920	10.38	.4960	.4995
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.5524			.5524				
Low Limit			.4476			.4476				

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5175**	**.5120**	**5.354**	**.5187**	**.4969**	**.5063**	**.5143**	**.5067**	**.5050**
Stddev	.0066	.0021	.006	.0022	.0006	.0026	.0011	.0033	.0002
%RSD	1.272	.4157	.1122	.4296	.1242	.5063	.2150	.6548	.0347
#1	.5117	.5097	5.357	.5162	.4963	.5053	.5140	.5080	.5051
#2	.5162	.5122	5.347	.5195	.4975	.5043	.5133	.5029	.5050
#3	.5247	.5140	5.358	.5205	.4968	.5092	.5155	.5092	.5048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4554.6**	**62183.**	**17991.**
Stddev	11.5	122.	68.
%RSD	.25315	.19692	.37937
#1	4555.8	62176.	17933.
#2	4565.4	62310.	18066.
#3	4542.5	62065.	17975.

Sample Name: CCB Acquired: 12/8/2020 13:48:14 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**-.0095**	**.0006**	**.0009**	**.0000**	**-.0001**	**-.1414**	**.0001**	**.0000**	**-.0002**
Stddev	.0001	.0100	.0005	.0006	.0000	.0001	.1344	.0023	.0000	.0001
%RSD	12.64	105.3	86.06	68.04	131.7	122.5	95.05	1873.	69.20	42.32
#1	.0005	.0010	.0012	.0016	.0001	-.0000	.0110	.0021	.0001	-.0002
#2	.0005	-.0189	.0004	.0005	.0000	.0000	-.1925	-.0024	.0000	-.0001
#3	.0004	-.0106	.0002	.0006	-.0000	-.0001	-.2428	.0006	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	F **.0117**	**.0022**	**.0035**	**.0001**	**.0000**	**.0056**	**.0484**	**.0000**	**.0002**
Stddev	.0003	.0003	.0014	.0099	.0006	.0003	.0011	.0023	.0003	.0002
%RSD	234.5	2.873	65.87	282.6	386.4	1581.	19.85	4.677	1289.	139.6
#1	-.0003	.0121	.0029	-.0078	.0006	-.0002	.0068	.0502	.0003	.0004
#2	-.0003	.0115	.0005	.0077	.0003	.0004	.0055	.0458	-.0004	.0002
#3	.0002	.0115	.0031	.0107	-.0005	-.0001	.0046	.0491	.0001	-.0001
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0100								
Low Limit		-.0200								

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0129**	**-.0016**	**-.0200**	**.0030**	**-.0001**	**.0010**	**-.0012**	**-.0002**	**-.0000**
Stddev	.0018	.0015	.0004	.0005	.0001	.0001	.0006	.0002	.0001
%RSD	13.87	93.05	2.069	17.85	152.4	13.86	51.07	103.9	513.9
#1	.0145	-.0009	-.0196	.0034	.0000	.0011	-.0006	-.0001	-.0001
#2	.0133	-.0006	-.0204	.0031	-.0000	.0009	-.0019	-.0004	.0001
#3	.0110	-.0033	-.0201	.0024	-.0002	.0012	-.0012	-.0000	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4565.8**	**63164.**	**17834.**
Stddev	10.5	392.	77.
%RSD	.22913	.62017	.42928
#1	4570.5	62731.	17764.
#2	4553.8	63493.	17823.
#3	4573.1	63267.	17916.

Sample Name: WG1442194-1,C Acquired: 12/8/2020 13:52:59 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0140**	**-.0002**	**.0020**	**.0005**	**-.0000**	**-.0446**	**.0218**	**.0000**	**.0001**
Stddev	.0005	.0140	.0026	.0003	.0001	.0001	.0880	.0024	.0000	.0002
%RSD	82.37	100.3	1100.	15.35	14.21	211.5	197.3	10.97	139.7	164.5
#1	.0009	.0198	.0015	.0017	.0004	-.0001	-.0647	.0195	.0000	.0003
#2	.0000	-.0020	-.0032	.0023	.0006	.0001	.0517	.0216	.0000	.0001
#3	.0007	.0241	.0010	.0021	.0005	-.0001	-.1208	.0242	-.0000	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0033**	**.0099**	**.0164**	**.0922**	**.0056**	**.0008**	**.0019**	**153.5**	**.0021**	**.0008**
Stddev	.0005	.0004	.0014	.0299	.0027	.0003	.0002	1.7	.0003	.0004
%RSD	14.11	3.773	8.585	32.47	47.57	35.49	9.250	1.129	12.14	53.84
#1	.0033	.0103	.0177	.1062	.0028	.0012	.0020	151.5	.0024	.0008
#2	.0037	.0095	.0149	.0579	.0060	.0006	.0021	154.2	.0018	.0003
#3	.0028	.0099	.0166	.1126	.0081	.0007	.0018	154.8	.0021	.0012

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0059**	**-.0018**	**.0145**	**.0028**	**.0003**	**.0003**	**-.0017**	**.0001**	**.0037**
Stddev	.0009	.0007	.0005	.0002	.0001	.0003	.0007	.0002	.0001
%RSD	15.71	39.69	3.333	7.678	30.62	98.33	43.15	410.8	2.536
#1	.0057	-.0012	.0149	.0027	.0004	.0006	-.0025	.0003	.0037
#2	.0069	-.0025	.0140	.0031	.0004	.0000	-.0015	-.0001	.0036
#3	.0051	-.0015	.0146	.0027	.0002	.0003	-.0011	.0000	.0038

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4375.5**	**58925.**	**17513.**
Stddev	22.5	112.	19.
%RSD	.51365	.19075	.10965
#1	4388.7	58993.	17531.
#2	4349.6	58795.	17493.
#3	4388.4	58986.	17516.

Sample Name: WG1442194-2,C Acquired: 12/8/2020 13:57:53 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0561**	**2.009**	**.1343**	**1.054**	**1.981**	**.0485**	**.4952**	**9.977**	**.0560**	**.5226**
Stddev	.0001	.009	.0010	.004	.006	.0002	.1686	.022	.0001	.0006
%RSD	.1552	.4420	.7529	.3763	.2939	.3393	34.04	.2195	.2467	.1178
#1	.0562	2.019	.1351	1.051	1.975	.0484	.3026	9.976	.0559	.5221
#2	.0560	2.001	.1332	1.053	1.983	.0483	.5672	10.000	.0560	.5225
#3	.0560	2.007	.1347	1.059	1.986	.0487	.6159	9.956	.0562	.5233

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2135**	**.2754**	**.9230**	**10.50**	**9.171**	**.4531**	**1.100**	**169.2**	**.4939**	**.5306**
Stddev	.0001	.0006	.0050	.02	.040	.0004	.002	.7	.0014	.0019
%RSD	.0389	.2268	.5401	.2366	.4333	.0915	.2161	.3923	.2925	.3668
#1	.2134	.2760	.9172	10.47	9.206	.4527	1.098	169.2	.4927	.5291
#2	.2135	.2754	.9260	10.52	9.179	.4532	1.100	169.9	.4935	.5299
#3	.2134	.2748	.9258	10.51	9.128	.4535	1.102	168.6	.4955	.5328

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5954**	**.1299**	**.9043**	**1.099**	**1.021**	**1.090**	**.1212**	**.5378**	**.5386**
Stddev	.0016	.0013	.0031	.003	.002	.001	.0020	.0015	.0015
%RSD	.2742	.9839	.3423	.2857	.2259	.0650	1.654	.2770	.2728
#1	.5940	.1289	.9018	1.096	1.019	1.089	.1191	.5361	.5371
#2	.5950	.1314	.9033	1.098	1.023	1.090	.1215	.5389	.5385
#3	.5972	.1296	.9077	1.102	1.022	1.090	.1230	.5384	.5401

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4341.6**	**58392.**	**17396.**
Stddev	5.7	32.	15.
%RSD	.13019	.05534	.08678
#1	4341.2	58378.	17387.
#2	4336.2	58429.	17389.
#3	4347.5	58369.	17414.

Sample Name: L2053215-04,C Acquired: 12/8/2020 14:02:29 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**.0417**	**-.0018**	**.0727**	**.0153**	**-.0002**	**-.3561**	**120.7**	**.0084**	**.0004**
Stddev	.0001	.0102	.0017	.0002	.0002	.0001	.0575	.5	.0000	.0001
%RSD	26.85	24.58	93.92	.2650	1.057	29.26	16.14	.4320	.2502	24.93
#1	.0005	.0300	-.0021	.0726	.0154	-.0001	-.3839	120.8	.0084	.0006
#2	.0007	.0492	-.0032	.0726	.0151	-.0002	-.2901	120.2	.0083	.0004
#3	.0004	.0458	.0000	.0729	.0153	-.0002	-.3945	121.2	.0084	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0054**	**.0099**	**.0208**	**.8563**	**8.947**	**.0542**	**.0034**	**144.4**	**.0029**	**.2072**
Stddev	.0003	.0002	.0016	.0155	.065	.0004	.0007	1.9	.0005	.0020
%RSD	5.729	1.825	7.913	1.805	.7212	.7194	19.44	1.308	15.66	.9450
#1	.0057	.0097	.0226	.8440	8.972	.0546	.0042	142.3	.0034	.2069
#2	.0053	.0100	.0203	.8514	8.874	.0538	.0031	145.1	.0025	.2053
#3	.0051	.0100	.0195	.8737	8.996	.0542	.0029	145.9	.0029	.2092

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0005**	**.5962**	**.0016**	**1.513**	**.0019**	**-.0024**	**.0032**	**1.031**
Stddev	.0001	.0010	.0013	.0003	.004	.0001	.0011	.0003	.004
%RSD	175.6	218.2	.2148	21.69	.2595	4.810	45.36	9.129	.3484
#1	-.0000	-.0014	.5965	.0013	1.517	.0019	-.0015	.0035	1.033
#2	.0001	-.0005	.5948	.0019	1.509	.0018	-.0036	.0033	1.027
#3	.0001	.0006	.5974	.0014	1.513	.0019	-.0021	.0029	1.033

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4245.2**	**57562.**	**17250.**
Stddev	8.2	152.	100.
%RSD	.19371	.26426	.57978
#1	4254.5	57675.	17268.
#2	4242.7	57622.	17339.
#3	4238.6	57389.	17141.

Sample Name: L2053546-01,C Acquired: 12/8/2020 14:07:16 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0122**	**-.0002**	**.0062**	**.0023**	**-.0001**	**-.0407**	**.3795**	**.0001**	**.0002**
Stddev	.0003	.0098	.0007	.0001	.0001	.0000	.1774	.0044	.0000	.0001
%RSD	96.44	80.56	288.1	2.273	4.298	29.68	436.0	1.154	1.535	60.49
#1	.0005	.0019	.0001	.0064	.0024	-.0001	.0759	.3807	.0001	.0002
#2	.0006	.0215	-.0010	.0061	.0023	-.0000	.0468	.3832	.0001	.0001
#3	-.0000	.0132	.0002	.0062	.0022	-.0001	-.2448	.3747	.0001	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0028**	**.0097**	**.6905**	**.5213**	**.7089**	**.0062**	**.0006**	**125.2**	**.0019**	**.0118**
Stddev	.0004	.0004	.0055	.0193	.0046	.0002	.0002	.2	.0002	.0007
%RSD	14.53	3.702	.7993	3.706	.6436	3.719	25.36	.1544	13.18	5.926
#1	.0032	.0099	.6954	.5291	.7046	.0062	.0008	125.5	.0019	.0111
#2	.0024	.0099	.6917	.5355	.7083	.0065	.0006	125.1	.0021	.0125
#3	.0027	.0093	.6845	.4993	.7137	.0061	.0005	125.2	.0016	.0118

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**-.0000**	**.0492**	**.0006**	**.0078**	**-.0001**	**-.0012**	**.0002**	**.0327**
Stddev	.0001	.0002	.0008	.0005	.0001	.0004	.0016	.0001	.0003
%RSD	31.76	574.6	1.702	84.99	1.147	375.1	138.2	58.04	.9222
#1	.0003	.0002	.0490	.0011	.0079	.0004	.0001	.0002	.0326
#2	.0006	-.0002	.0501	.0000	.0078	-.0003	-.0006	.0001	.0325
#3	.0004	-.0001	.0485	.0007	.0078	-.0005	-.0030	.0003	.0331

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4425.4**	**59679.**	**17466.**
Stddev	16.0	354.	76.
%RSD	.36094	.59237	.43275
#1	4436.2	59356.	17536.
#2	4433.0	59624.	17476.
#3	4407.1	60057.	17386.

Sample Name: L2053487-01,T Acquired: 12/8/2020 14:11:56 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.2051**	**-.0002**	**.0410**	**.0121**	**-.0000**	**.0336**	**15.45**	**.0000**	**.0009**
Stddev	.0002	.0053	.0016	.0001	.0001	.0000	.1666	.03	.0000	.0001
%RSD	151.9	2.579	782.9	.3444	.7009	89.91	495.1	.1974	386.9	10.60
#1	.0003	.2046	-.0002	.0409	.0121	-.0000	.0270	15.47	-.0000	.0008
#2	.0002	.2001	.0015	.0412	.0122	-.0001	.2034	15.46	.0001	.0009
#3	-.0001	.2106	-.0018	.0410	.0120	-.0000	-.1295	15.41	.0000	.0010

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0116**	**.7955**	**4.660**	**2.043**	**.0706**	**.0000**	**10.47**	**.0024**	**.0007**
Stddev	.0002	.0005	.0035	.019	.012	.0004	.0001	.02	.0002	.0003
%RSD	50.82	3.957	.4448	.4080	.5632	.5681	1716.	.2304	7.971	42.62
#1	.0003	.0117	.7995	4.664	2.055	.0711	-.0000	10.50	.0024	.0010
#2	.0002	.0119	.7927	4.676	2.042	.0703	.0001	10.46	.0026	.0004
#3	.0006	.0111	.7944	4.639	2.032	.0704	-.0000	10.45	.0023	.0007

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0013**	**-.0031**	**6.209**	**-.0004**	**.1150**	**.0042**	**.0003**	**.0004**	**.0201**
Stddev	.0008	.0003	.014	.0002	.0001	.0003	.0011	.0001	.0001
%RSD	59.82	10.68	.2210	44.30	.1007	7.427	403.4	21.06	.4565
#1	-.0013	-.0028	6.193	-.0002	.1151	.0042	-.0005	.0004	.0200
#2	-.0005	-.0035	6.218	-.0005	.1149	.0044	.0015	.0003	.0202
#3	-.0020	-.0030	6.215	-.0005	.1149	.0038	-.0001	.0004	.0201

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4512.8**	**61960.**	**17705.**
Stddev	11.6	53.	78.
%RSD	.25669	.08569	.43838
#1	4516.0	61968.	17625.
#2	4522.3	62010.	17780.
#3	4499.9	61904.	17711.

Sample Name: L2053182-01,C Acquired: 12/8/2020 14:16:35 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.2115**	**-.0009**	**.0043**	**.2584**	**-.0000**	**.2696**	**1.287**	**.0002**	**.0009**
Stddev	.0002	.0123	.0002	.0007	.0007	.0001	.2099	.015	.0000	.0001
%RSD	113.8	5.836	20.00	15.85	.2837	302.0	77.85	1.198	4.659	7.596
#1	.0003	.2013	-.0010	.0040	.2582	.0000	.5103	1.303	.0002	.0009
#2	-.0000	.2079	-.0007	.0038	.2578	-.0001	.1246	1.272	.0002	.0009
#3	.0002	.2252	-.0009	.0051	.2592	-.0000	.1739	1.287	.0002	.0010

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0055**	**.0106**	**5.591**	**.1431**	**.1817**	**.0709**	**.0000**	**142.1**	**.0058**	**-.0004**
Stddev	.0003	.0005	.032	.0178	.0009	.0010	.0001	1.0	.0003	.0006
%RSD	5.502	4.308	.5712	12.41	.5057	1.362	182.9	.6703	5.092	141.1
#1	.0054	.0111	5.591	.1232	.1813	.0718	-.0000	142.2	.0059	-.0009
#2	.0052	.0104	5.560	.1489	.1811	.0699	.0001	143.0	.0061	.0002
#3	.0058	.0102	5.624	.1573	.1828	.0710	-.0000	141.1	.0055	-.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0014**	**-.0016**	**.5436**	**.0015**	**.0161**	**.0067**	**-.0002**	**.0008**	**2.456**
Stddev	.0003	.0015	.0022	.0003	.0000	.0002	.0010	.0002	.005
%RSD	23.98	97.35	.4048	19.51	.1666	2.836	597.0	25.90	.2109
#1	-.0011	-.0034	.5410	.0012	.0162	.0065	-.0010	.0010	2.451
#2	-.0012	-.0007	.5451	.0017	.0161	.0067	.0009	.0007	2.457
#3	-.0017	-.0007	.5445	.0017	.0161	.0069	-.0004	.0006	2.461

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4397.7**	**59352.**	**17346.**
Stddev	4.8	174.	28.
%RSD	.10861	.29340	.16122
#1	4400.9	59174.	17328.
#2	4400.1	59360.	17332.
#3	4392.2	59522.	17378.

Sample Name: WG1442194-3,C Acquired: 12/8/2020 14:21:24 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0552**	**2.205**	**.1345**	**1.044**	**2.232**	**.0480**	**.2358**	**11.15**	**.0556**	**.5178**
Stddev	.0002	.018	.0019	.003	.002	.0003	.1492	.05	.0001	.0017
%RSD	.3139	.8344	1.402	.2993	.1030	.6072	63.25	.4789	.1416	.3189
#1	.0554	2.207	.1326	1.042	2.229	.0483	.3627	11.19	.0555	.5183
#2	.0550	2.186	.1345	1.048	2.233	.0479	.2733	11.09	.0556	.5192
#3	.0552	2.223	.1364	1.043	2.233	.0478	.0715	11.16	.0557	.5160

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2140**	**.2732**	**6.426**	**10.52**	**9.503**	**.5147**	**1.092**	**154.1**	**.4940**	**.5265**
Stddev	.0003	.0015	.021	.02	.025	.0011	.003	1.3	.0009	.0002
%RSD	.1399	.5509	.3241	.1615	.2637	.2070	.2943	.8590	.1748	.0474
#1	.2142	.2742	6.443	10.54	9.495	.5135	1.088	154.9	.4930	.5263
#2	.2141	.2715	6.402	10.53	9.483	.5156	1.094	152.6	.4944	.5267
#3	.2137	.2739	6.431	10.51	9.531	.5150	1.093	154.9	.4947	.5266

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5812**	**.1292**	**1.419**	**1.091**	**1.033**	**1.092**	**.1206**	**.5322**	**2.945**
Stddev	.0018	.0015	.002	.002	.001	.001	.0006	.0013	.001
%RSD	.3166	1.167	.1511	.1502	.0765	.0661	.4636	.2373	.0297
#1	.5798	.1308	1.416	1.090	1.033	1.092	.1203	.5337	2.944
#2	.5805	.1278	1.420	1.093	1.032	1.092	.1203	.5313	2.946
#3	.5833	.1291	1.420	1.090	1.033	1.093	.1213	.5317	2.945

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4370.6**	**59050.**	**17279.**
Stddev	14.4	213.	51.
%RSD	.32933	.36058	.29328
#1	4385.8	58806.	17241.
#2	4357.1	59200.	17336.
#3	4368.9	59144.	17259.

Sample Name: WG1442194-4,C Acquired: 12/8/2020 14:25:58 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.2187**	**-.0015**	**.0050**	**.2581**	**-.0001**	**-.1264**	**1.277**	**.0002**	**.0009**
Stddev	.0002	.0082	.0009	.0002	.0007	.0001	.0985	.005	.0000	.0001
%RSD	71.73	3.764	60.92	4.199	.2761	68.50	77.92	.3690	16.75	14.77
#1	.0005	.2175	-.0008	.0050	.2584	-.0001	-.0293	1.282	.0002	.0007
#2	.0002	.2275	-.0011	.0052	.2587	-.0000	-.2262	1.274	.0002	.0008
#3	.0002	.2112	-.0025	.0048	.2573	-.0002	-.1237	1.274	.0002	.0010

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0060**	**.0118**	**5.593**	**.1521**	**.1830**	**.0688**	**.0028**	**144.9**	**.0063**	**-.0006**
Stddev	.0003	.0003	.007	.0100	.0018	.0006	.0006	1.6	.0001	.0012
%RSD	5.798	2.409	.1181	6.552	.9951	.8718	20.94	1.087	2.096	186.1
#1	.0062	.0119	5.599	.1636	.1828	.0695	.0034	143.4	.0065	-.0016
#2	.0063	.0115	5.586	.1459	.1813	.0684	.0029	144.7	.0063	.0006
#3	.0056	.0120	5.592	.1468	.1849	.0685	.0022	146.5	.0062	-.0009

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0004**	**.5487**	**.0011**	**.0161**	**.0076**	**-.0020**	**.0005**	**2.474**
Stddev	.0013	.0015	.0022	.0004	.0000	.0002	.0011	.0003	.003
%RSD	637.4	378.8	.3988	37.90	.1177	3.152	52.88	56.94	.1167
#1	-.0012	.0004	.5468	.0007	.0161	.0078	-.0019	.0003	2.472
#2	.0013	.0006	.5482	.0011	.0161	.0077	-.0031	.0004	2.472
#3	-.0007	-.0022	.5511	.0015	.0161	.0074	-.0010	.0008	2.477

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4389.6**	**59383.**	**17251.**
Stddev	11.2	335.	44.
%RSD	.25598	.56361	.25421
#1	4402.6	59449.	17278.
#2	4383.6	59680.	17275.
#3	4382.7	59020.	17201.

Sample Name: WG1442194-5,C Acquired: 12/8/2020 14:30:45 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0579**	**2.273**	**.1397**	**1.077**	**2.326**	**.0503**	**.4245**	**11.14**	**.0579**	**.5431**
Stddev	.0001	.019	.0002	.001	.002	.0000	.3200	.03	.0003	.0004
%RSD	.1787	.8553	.1107	.1338	.1003	.0276	75.40	.2266	.4370	.0820
#1	.0581	2.277	.1397	1.075	2.327	.0503	.5863	11.12	.0578	.5431
#2	.0579	2.290	.1395	1.078	2.328	.0503	.6313	11.13	.0576	.5427
#3	.0579	2.252	.1397	1.077	2.323	.0503	.0558	11.16	.0581	.5436

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2232**	**.2869**	**6.324**	**10.88**	**9.766**	**.5341**	**1.120**	**149.5**	**.5171**	**.5521**
Stddev	.0006	.0015	.015	.03	.067	.0027	.003	.6	.0009	.0026
%RSD	.2555	.5226	.2312	.2516	.6906	.4981	.2819	.4054	.1781	.4644
#1	.2228	.2853	6.325	10.86	9.690	.5332	1.117	150.2	.5162	.5515
#2	.2230	.2871	6.338	10.91	9.821	.5371	1.119	149.3	.5180	.5500
#3	.2239	.2882	6.309	10.88	9.785	.5320	1.123	149.1	.5171	.5550

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5825**	**.1333**	**.7156**	**1.123**	**1.065**	**1.120**	**.1260**	**.5589**	**2.913**
Stddev	.0043	.0014	.0037	.005	.001	.002	.0010	.0010	.008
%RSD	.7368	1.014	.5210	.4922	.1245	.1831	.7696	.1827	.2764
#1	.5824	.1319	.7138	1.122	1.065	1.118	.1258	.5578	2.912
#2	.5782	.1346	.7130	1.119	1.066	1.122	.1270	.5597	2.905
#3	.5868	.1334	.7198	1.130	1.064	1.121	.1251	.5594	2.922

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4357.4**	**58846.**	**17314.**
Stddev	9.6	47.	49.
%RSD	.21996	.07951	.28526
#1	4361.1	58809.	17370.
#2	4364.6	58830.	17290.
#3	4346.6	58898.	17280.

Sample Name: WG1442194-6,C,5 Acquired: 12/8/2020 14:35:22 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment: 10

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0471**	**-.0013**	**.0017**	**.0535**	**-.0001**	**-.1492**	**.2640**	**.0001**	**.0002**
Stddev	.0000	.0099	.0008	.0005	.0007	.0001	.0952	.0004	.0000	.0001
%RSD	14.91	20.93	57.41	26.64	1.401	104.2	63.79	.1411	36.37	47.14
#1	.0004	.0584	-.0020	.0022	.0541	-.0001	-.0777	.2644	.0000	.0002
#2	.0003	.0427	-.0005	.0013	.0538	.0000	-.1127	.2641	.0001	.0001
#3	.0003	.0403	-.0015	.0016	.0527	-.0001	-.2573	.2636	.0000	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0105**	**1.150**	**.0569**	**.0398**	**.0147**	**.0026**	**30.00**	**.0011**	**.0006**
Stddev	.0002	.0002	.010	.0128	.0020	.0003	.0005	.25	.0002	.0004
%RSD	26.46	1.817	.8860	22.52	5.052	2.104	17.92	.8434	21.71	74.31
#1	.0008	.0107	1.161	.0677	.0383	.0150	.0030	30.26	.0012	.0001
#2	.0007	.0103	1.150	.0604	.0421	.0148	.0028	29.97	.0013	.0009
#3	.0012	.0104	1.141	.0427	.0389	.0144	.0021	29.76	.0009	.0007

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	**-.0008**	**.0887**	**.0000**	**.0033**	**.0018**	**-.0017**	**.0001**	**.4969**
Stddev	.0005	.0013	.0003	.0003	.0001	.0004	.0004	.0002	.0018
%RSD	19.82	161.7	.3670	618.0	1.582	20.48	23.11	214.7	.3625
#1	.0022	-.0011	.0886	-.0002	.0032	.0016	-.0018	.0002	.4988
#2	.0029	-.0019	.0885	.0001	.0033	.0015	-.0020	-.0001	.4967
#3	.0020	.0006	.0891	.0003	.0033	.0022	-.0013	.0002	.4952

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4542.0**	**62072.**	**17658.**
Stddev	13.8	197.	39.
%RSD	.30309	.31711	.22072
#1	4547.2	62170.	17624.
#2	4552.4	61845.	17701.
#3	4526.4	62200.	17650.

Sample Name: CCV Acquired: 12/8/2020 14:40:05 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5429**	**.5011**	**.5262**	**.5170**	**.4791**	**.4602**	**.7350**	**.4726**	**.5034**	**.5069**
Stddev	.0024	.0106	.0012	.0013	.0018	.0028	.0335	.0102	.0006	.0001
%RSD	.4450	2.116	.2350	.2485	.3736	.6035	4.552	2.165	.1191	.0277
#1	.5439	.5049	.5250	.5162	.4811	.4629	.7652	.4612	.5027	.5071
#2	.5447	.5093	.5275	.5163	.4776	.4574	.7408	.4757	.5039	.5068
#3	.5402	.4891	.5262	.5185	.4785	.4604	.6990	.4809	.5035	.5069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4979**	**.5202**	F **.4292**	**5.212**	**.5000**	F **.4358**	**.4882**	**10.51**	**.5010**	**.5032**
Stddev	.0013	.0015	.0007	.009	.0047	.0024	.0075	.03	.0008	.0008
%RSD	.2623	.2979	.1531	.1629	.9362	.5600	1.531	.3056	.1678	.1495
#1	.4991	.5210	.4298	5.204	.5016	.4385	.4801	10.54	.5017	.5034
#2	.4981	.5212	.4285	5.221	.5036	.4339	.4896	10.48	.5013	.5024
#3	.4965	.5184	.4291	5.211	.4947	.4348	.4948	10.51	.5001	.5038
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.5524			.5524				
Low Limit			.4476			.4476				

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5202**	**.5157**	**5.390**	**.5217**	**.5032**	**.5068**	**.5168**	**.5066**	**.5088**
Stddev	.0076	.0022	.012	.0025	.0016	.0016	.0021	.0015	.0007
%RSD	1.462	.4363	.2273	.4875	.3238	.3160	.3977	.2872	.1314
#1	.5116	.5173	5.404	.5193	.5048	.5073	.5151	.5078	.5082
#2	.5233	.5131	5.384	.5215	.5015	.5081	.5162	.5069	.5087
#3	.5258	.5166	5.383	.5244	.5032	.5050	.5191	.5050	.5095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4555.8**	**62725.**	**17794.**
Stddev	5.3	174.	37.
%RSD	.11642	.27755	.20927
#1	4551.0	62689.	17756.
#2	4555.1	62572.	17831.
#3	4561.5	62914.	17796.

Sample Name: CCB Acquired: 12/8/2020 14:44:32 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**-.0124**	**-.0005**	**.0008**	**-.0001**	**-.0001**	**-.1367**	**-.0009**	**.0000**	**-.0002**
Stddev	.0003	.0062	.0013	.0007	.0001	.0000	.2656	.0033	.0000	.0001
%RSD	57.14	50.31	262.3	85.66	112.0	69.87	194.3	363.3	131.6	44.19
#1	.0003	-.0089	.0001	.0015	-.0000	-.0001	-.4372	-.0040	.0000	-.0001
#2	.0004	-.0196	-.0021	.0007	-.0001	-.0001	.0670	.0025	.0001	-.0002
#3	.0008	-.0087	.0004	.0002	-.0000	-.0000	-.0400	-.0013	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**.0099**	**.0011**	**.0367**	**.0008**	**.0001**	**.0054**	**.0439**	**.0000**	**.0000**
Stddev	.0003	.0002	.0005	.0102	.0018	.0002	.0014	.0056	.0003	.0008
%RSD	59.27	2.400	42.43	27.88	228.7	242.1	26.85	12.77	3339.	2369.
#1	-.0004	.0102	.0006	.0254	-.0012	-.0002	.0069	.0503	.0003	-.0008
#2	-.0009	.0098	.0013	.0394	.0024	.0003	.0054	.0413	-.0002	.0008
#3	-.0003	.0097	.0015	.0453	.0011	.0002	.0040	.0400	-.0001	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0126**	**-.0012**	**-.0201**	**.0025**	**-.0002**	**.0013**	**-.0019**	**-.0002**	**.0001**
Stddev	.0015	.0006	.0006	.0010	.0002	.0001	.0003	.0001	.0000
%RSD	11.67	52.77	2.777	41.26	94.65	7.452	17.36	56.08	30.32
#1	.0139	-.0013	-.0207	.0036	-.0001	.0014	-.0016	-.0002	.0001
#2	.0128	-.0017	-.0196	.0023	-.0004	.0012	-.0023	-.0002	.0000
#3	.0110	-.0005	-.0201	.0016	-.0001	.0013	-.0018	-.0001	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4549.2**	**63664.**	**17618.**
Stddev	2.0	253.	118.
%RSD	.04389	.39769	.66800
#1	4550.8	63716.	17482.
#2	4549.9	63389.	17675.
#3	4547.0	63888.	17695.

Sample Name: WG1442030-1,T Acquired: 12/8/2020 14:49:16 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0009**	**-.0003**	**.0004**	**.0001**	**-.0000**	**.1752**	**.0017**	**-.0000**	**.0000**
Stddev	.0003	.0083	.0008	.0003	.0001	.0000	.1127	.0051	.0000	.0001
%RSD	95.40	897.3	304.5	73.94	88.15	103.4	64.35	309.3	1015.	512.6
#1	.0000	.0101	-.0004	.0003	.0000	-.0000	.1779	-.0041	.0000	-.0001
#2	.0006	-.0015	.0006	.0006	.0000	-.0001	.0611	.0032	.0000	.0000
#3	.0003	-.0059	-.0010	.0001	.0002	.0000	.2865	.0059	-.0001	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0106**	**.0011**	**.0058**	**.0004**	**.0001**	**.0009**	**.0426**	**.0002**	**.0003**
Stddev	.0005	.0005	.0009	.0157	.0023	.0001	.0003	.0090	.0003	.0006
%RSD	2326.	5.142	78.44	271.4	596.2	93.69	29.98	21.05	133.6	192.9
#1	-.0001	.0109	.0001	-.0056	.0001	.0000	.0010	.0332	-.0000	.0001
#2	-.0004	.0100	.0018	.0237	-.0017	.0002	.0010	.0511	.0006	.0010
#3	.0005	.0110	.0013	-.0007	.0028	.0001	.0006	.0434	.0001	-.0002

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	**-.0022**	**-.0126**	**.0002**	**-.0002**	**.0002**	**-.0003**	**.0002**	**-.0006**
Stddev	.0004	.0016	.0004	.0004	.0000	.0002	.0015	.0003	.0000
%RSD	24.72	76.51	3.310	192.0	28.79	135.2	446.1	152.3	6.303
#1	.0023	-.0011	-.0124	.0005	-.0002	.0000	.0007	.0005	-.0005
#2	.0016	-.0013	-.0131	.0003	-.0001	.0004	.0004	-.0001	-.0006
#3	.0015	-.0040	-.0123	-.0002	-.0001	.0000	-.0021	.0002	-.0006

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4543.5**	**63073.**	**17822.**
Stddev	8.9	339.	56.
%RSD	.19501	.53678	.31422
#1	4542.2	62920.	17886.
#2	4535.3	63461.	17795.
#3	4552.9	62838.	17784.

Sample Name: WG1442030-2,T Acquired: 12/8/2020 14:54:00 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0570**	**2.090**	**.1387**	**1.054**	**2.031**	**.0488**	**.6371**	**9.833**	**.0579**	**.5409**
Stddev	.0007	.007	.0009	.004	.006	.0000	.2448	.014	.0002	.0015
%RSD	1.281	.3202	.6717	.3907	.2959	.0718	38.43	.1445	.3164	.2731
#1	.0570	2.092	.1378	1.053	2.036	.0489	.8390	9.845	.0580	.5401
#2	.0578	2.083	.1386	1.051	2.032	.0489	.3648	9.817	.0578	.5401
#3	.0563	2.096	.1396	1.059	2.025	.0488	.7074	9.836	.0581	.5426

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2122**	**.2799**	**.9153**	**10.46**	**9.939**	**.4590**	**1.051**	**10.84**	**.5146**	**.5622**
Stddev	.0004	.0012	.0040	.01	.072	.0009	.012	.03	.0016	.0017
%RSD	.1724	.4351	.4323	.1422	.7221	.1930	1.124	.2576	.3053	.2950
#1	.2126	.2798	.9109	10.48	9.997	.4599	1.040	10.87	.5148	.5616
#2	.2122	.2811	.9167	10.46	9.961	.4590	1.049	10.83	.5130	.5610
#3	.2118	.2787	.9185	10.45	9.858	.4582	1.064	10.82	.5161	.5641

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5437**	**.1298**	**.8713**	**1.092**	**1.017**	**1.065**	**.1328**	**.5378**	**.5493**
Stddev	.0105	.0001	.0052	.005	.003	.005	.0010	.0024	.0013
%RSD	1.925	.0760	.5957	.4604	.3148	.4420	.7249	.4384	.2373
#1	.5326	.1299	.8681	1.088	1.020	1.069	.1333	.5399	.5496
#2	.5450	.1297	.8684	1.090	1.017	1.067	.1335	.5382	.5478
#3	.5534	.1298	.8772	1.098	1.013	1.060	.1317	.5352	.5503

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4439.6**	**61413.**	**17581.**
Stddev	13.0	94.	57.
%RSD	.29229	.15365	.32629
#1	4453.8	61404.	17522.
#2	4428.5	61512.	17585.
#3	4436.4	61324.	17636.

Sample Name: WG1442030-3,T Acquired: 12/8/2020 14:58:25 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0570**	**2.105**	**.1400**	**1.066**	**2.029**	**.0490**	**.3606**	**9.892**	**.0582**	**.5441**
Stddev	.0003	.010	.0022	.005	.004	.0001	.2072	.031	.0003	.0021
%RSD	.5426	.4746	1.538	.4717	.2115	.2348	57.47	.3161	.4875	.3798
#1	.0571	2.094	.1378	1.060	2.029	.0490	.5312	9.856	.0578	.5417
#2	.0567	2.105	.1403	1.068	2.025	.0488	.1300	9.912	.0583	.5454
#3	.0573	2.114	.1420	1.070	2.034	.0490	.4207	9.907	.0584	.5452

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2141**	**.2807**	**.9208**	**10.51**	**10.03**	**.4597**	**1.071**	**10.86**	**.5186**	**.5648**
Stddev	.0004	.0016	.0025	.05	.06	.0007	.011	.04	.0011	.0017
%RSD	.1894	.5832	.2710	.4481	.5757	.1622	1.057	.3259	.2128	.3023
#1	.2137	.2813	.9208	10.48	9.970	.4603	1.059	10.82	.5173	.5633
#2	.2141	.2788	.9233	10.57	10.09	.4599	1.074	10.88	.5189	.5644
#3	.2145	.2819	.9183	10.50	10.03	.4589	1.081	10.88	.5195	.5667

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5689**	**.1313**	**.8780**	**1.107**	**1.021**	**1.074**	**.1345**	**.5390**	**.5522**
Stddev	.0095	.0002	.0033	.006	.002	.002	.0008	.0015	.0017
%RSD	1.662	.1342	.3749	.5834	.1758	.2214	.6270	.2772	.3157
#1	.5580	.1312	.8745	1.100	1.019	1.072	.1344	.5374	.5502
#2	.5740	.1315	.8811	1.110	1.023	1.073	.1337	.5402	.5526
#3	.5748	.1313	.8785	1.111	1.022	1.076	.1353	.5396	.5536

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4441.1**	**61608.**	**17605.**
Stddev	21.7	344.	45.
%RSD	.48835	.55812	.25803
#1	4465.2	61459.	17653.
#2	4423.3	62002.	17563.
#3	4434.6	61364.	17598.

Sample Name: WG1442342-1,C Acquired: 12/8/2020 15:02:52 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0446**	**-.0012**	**.1542**	**.0503**	**-.0002**	**-.0475**	**.5351**	**.0000**	**-.0001**
Stddev	.0003	.0092	.0004	.0003	.0002	.0000	.1166	.0070	.0000	.0001
%RSD	183.6	20.64	34.79	.1900	.4407	25.59	245.3	1.310	73.92	53.97
#1	.0001	.0450	-.0009	.1539	.0505	-.0001	.0660	.5340	.0001	-.0001
#2	-.0001	.0352	-.0011	.1544	.0504	-.0002	-.1669	.5286	.0000	-.0001
#3	.0006	.0536	-.0017	.1543	.0501	-.0002	-.0417	.5425	.0000	-.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0125**	**.0216**	**.1726**	**.1800**	**.0010**	**.0114**	**3.418**	**.0021**	**-.0002**
Stddev	.0002	.0002	.0015	.0218	.0036	.0003	.0025	.009	.0004	.0011
%RSD	3.853	1.847	6.825	12.65	1.990	26.74	22.03	.2666	18.43	620.5
#1	.0040	.0123	.0216	.1795	.1790	.0007	.0141	3.414	.0020	-.0008
#2	.0038	.0123	.0231	.1902	.1840	.0012	.0111	3.412	.0018	.0011
#3	.0041	.0127	.0202	.1481	.1771	.0012	.0091	3.429	.0026	-.0008

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0159**	**-.0006**	**.0409**	**.0073**	**.0014**	**.0013**	**-.0015**	**-.0001**	**.0405**
Stddev	.0045	.0001	.0028	.0015	.0001	.0003	.0004	.0002	.0002
%RSD	28.17	12.89	6.727	20.07	9.169	20.32	27.75	175.8	.4089
#1	.0208	-.0007	.0441	.0088	.0016	.0016	-.0011	-.0001	.0403
#2	.0147	-.0005	.0388	.0073	.0013	.0014	-.0014	-.0003	.0406
#3	.0121	-.0006	.0399	.0059	.0014	.0010	-.0020	.0001	.0406

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4492.3**	**62456.**	**17433.**
Stddev	7.3	328.	37.
%RSD	.16322	.52543	.21162
#1	4483.8	62080.	17446.
#2	4496.3	62601.	17391.
#3	4496.8	62687.	17462.

Sample Name: WG1442342-2,C Acquired: 12/8/2020 15:07:34 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0545**	**2.015**	**.1323**	**1.181**	**1.979**	**.0463**	**.3819**	**10.28**	**.0553**	**.5197**
Stddev	.0007	.014	.0001	.003	.005	.0001	.1250	.05	.0001	.0007
%RSD	1.318	.6976	.0440	.2884	.2642	.1689	32.73	.4959	.1887	.1313
#1	.0552	2.026	.1323	1.178	1.985	.0463	.5123	10.22	.0553	.5194
#2	.0538	1.999	.1324	1.181	1.977	.0463	.2632	10.30	.0553	.5191
#3	.0544	2.021	.1324	1.185	1.974	.0464	.3700	10.31	.0555	.5204

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2092**	**.2725**	**.8901**	**10.43**	**9.830**	**.4413**	**1.088**	**14.00**	**.4929**	**.5386**
Stddev	.0005	.0011	.0004	.01	.009	.0005	.003	.00	.0021	.0007
%RSD	.2585	.4132	.0418	.1073	.0950	.1087	.2450	.0257	.4223	.1329
#1	.2097	.2738	.8899	10.42	9.827	.4408	1.086	14.01	.4913	.5389
#2	.2093	.2719	.8898	10.44	9.840	.4416	1.087	14.00	.4921	.5377
#3	.2086	.2717	.8905	10.42	9.822	.4416	1.091	14.00	.4953	.5390

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5806**	**.1243**	**.9124**	**1.102**	**1.009**	**1.066**	**.1239**	**.5217**	**.5612**
Stddev	.0007	.0009	.0031	.003	.003	.001	.0007	.0011	.0008
%RSD	.1235	.7452	.3403	.2314	.2771	.0780	.5820	.2157	.1378
#1	.5803	.1254	.9115	1.102	1.012	1.067	.1247	.5225	.5611
#2	.5800	.1236	.9099	1.099	1.008	1.067	.1236	.5221	.5605
#3	.5814	.1240	.9159	1.104	1.006	1.065	.1235	.5204	.5620

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4410.0**	**60567.**	**17338.**
Stddev	4.9	229.	11.
%RSD	.11050	.37867	.06171
#1	4413.7	60324.	17332.
#2	4404.4	60780.	17350.
#3	4411.8	60596.	17331.

Sample Name: L2053640-01,C Acquired: 12/8/2020 15:12:02 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0178**	**.5393**	**.0053**	**.0623**	**.0242**	**-.0001**	**-.0527**	**18.78**	**.0002**	**.0003**
Stddev	.0002	.0135	.0003	.0008	.0001	.0001	.4573	.05	.0000	.0001
%RSD	1.119	2.495	5.225	1.335	.3431	158.9	867.3	.2655	12.05	27.20
#1	.0177	.5518	.0054	.0631	.0242	-.0000	-.1650	18.79	.0001	.0002
#2	.0176	.5411	.0049	.0615	.0243	-.0001	.4502	18.73	.0002	.0003
#3	.0180	.5250	.0055	.0621	.0241	-.0000	-.4434	18.83	.0002	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0094**	**.0156**	**.3886**	**1.443**	**.6547**	**.0054**	**.0073**	**11.09**	**.0029**	**.0033**
Stddev	.0007	.0001	.0058	.019	.0061	.0003	.0008	.02	.0003	.0007
%RSD	7.159	.5757	1.504	1.315	.9322	5.787	10.55	.2213	8.954	20.18
#1	.0093	.0156	.3899	1.422	.6567	.0057	.0080	11.07	.0027	.0038
#2	.0101	.0157	.3938	1.447	.6478	.0050	.0073	11.09	.0029	.0036
#3	.0087	.0155	.3823	1.459	.6595	.0054	.0065	11.12	.0032	.0025

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047**	**.0002**	**11.19**	**.0028**	**.1736**	**.0311**	**-.0008**	**.0174**	**.0091**
Stddev	.0019	.0007	.03	.0003	.0003	.0007	.0017	.0001	.0002
%RSD	39.37	306.1	.2805	9.480	.1530	2.135	199.9	.7460	1.858
#1	.0027	-.0004	11.19	.0031	.1734	.0316	.0004	.0173	.0090
#2	.0051	.0009	11.15	.0026	.1737	.0312	-.0027	.0175	.0090
#3	.0063	.0001	11.22	.0029	.1739	.0303	-.0002	.0173	.0093

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4448.8**	**61132.**	**17474.**
Stddev	13.2	250.	64.
%RSD	.29564	.40882	.36603
#1	4448.6	61254.	17517.
#2	4462.0	60845.	17503.
#3	4435.7	61298.	17400.

Sample Name: WG1442342-3,C Acquired: 12/8/2020 15:16:41 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0718**	**2.530**	**.1368**	**1.088**	**1.953**	**.0464**	**.3205**	**28.30**	**.0548**	**.5160**
Stddev	.0004	.012	.0004	.002	.001	.0001	.1311	.05	.0001	.0004
%RSD	.6194	.4720	.2791	.2151	.0630	.2468	40.90	.1774	.1568	.0869
#1	.0723	2.544	.1368	1.086	1.952	.0463	.3002	28.24	.0548	.5158
#2	.0718	2.524	.1364	1.088	1.954	.0464	.4607	28.30	.0547	.5157
#3	.0714	2.523	.1372	1.090	1.952	.0465	.2008	28.34	.0549	.5166

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2136**	**.2741**	**1.276**	**11.63**	**10.13**	**.4434**	**1.079**	**21.62**	**.4885**	**.5315**
Stddev	.0011	.0001	.003	.03	.09	.0017	.004	.02	.0016	.0005
%RSD	.5299	.0503	.2341	.2741	.8806	.3901	.3518	.0960	.3334	.0906
#1	.2149	.2740	1.278	11.60	10.05	.4414	1.075	21.62	.4903	.5320
#2	.2128	.2741	1.276	11.65	10.13	.4446	1.079	21.64	.4871	.5315
#3	.2132	.2742	1.272	11.65	10.23	.4443	1.083	21.60	.4881	.5310

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5784**	**.1240**	**12.34**	**1.092**	**1.175**	**1.091**	**.1226**	**.5375**	**.5259**
Stddev	.0006	.0002	.03	.002	.002	.001	.0013	.0002	.0012
%RSD	.1043	.1565	.2238	.1515	.1580	.1067	1.075	.0312	.2201
#1	.5780	.1237	12.31	1.094	1.176	1.092	.1220	.5374	.5248
#2	.5782	.1241	12.37	1.090	1.177	1.091	.1216	.5374	.5257
#3	.5791	.1241	12.34	1.093	1.173	1.090	.1241	.5377	.5271

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4392.5**	**60017.**	**17350.**
Stddev	6.8	56.	164.
%RSD	.15532	.09410	.94770
#1	4397.8	60080.	17505.
#2	4395.0	59969.	17368.
#3	4384.8	60004.	17177.

Sample Name: WG1442342-4,C Acquired: 12/8/2020 15:21:09 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0191**	**.5734**	**.0042**	**.0637**	**.0245**	**-.0002**	**.0316**	**18.68**	**.0002**	**.0002**
Stddev	.0003	.0230	.0015	.0008	.0001	.0000	.1208	.04	.0000	.0001
%RSD	1.377	4.004	36.42	1.204	.6049	21.35	381.9	.2185	15.03	29.33
#1	.0194	.5936	.0036	.0631	.0246	-.0002	.1099	18.68	.0002	.0002
#2	.0189	.5783	.0032	.0646	.0246	-.0003	-.1075	18.73	.0002	.0002
#3	.0191	.5484	.0060	.0634	.0244	-.0002	.0925	18.64	.0001	.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0091**	**.0150**	**.4123**	**1.438**	**.6664**	**.0060**	**.0068**	**11.05**	**.0026**	**.0036**
Stddev	.0004	.0005	.0103	.017	.0017	.0002	.0005	.05	.0002	.0004
%RSD	4.910	3.236	2.486	1.167	.2482	3.636	7.263	.4859	8.784	9.692
#1	.0086	.0155	.4223	1.420	.6670	.0057	.0073	11.07	.0027	.0040
#2	.0093	.0146	.4129	1.443	.6645	.0062	.0067	11.09	.0028	.0034
#3	.0093	.0149	.4018	1.453	.6677	.0060	.0063	10.98	.0024	.0034

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	**-.0007**	**11.26**	**.0017**	**.1731**	**.0324**	**-.0018**	**.0169**	**.0095**
Stddev	.0006	.0010	.04	.0001	.0003	.0004	.0007	.0001	.0005
%RSD	27.23	137.2	.3968	8.191	.1511	1.117	36.30	.7617	5.559
#1	.0029	.0004	11.21	.0018	.1731	.0328	-.0016	.0168	.0092
#2	.0026	-.0013	11.28	.0016	.1734	.0322	-.0025	.0170	.0101
#3	.0016	-.0012	11.28	.0018	.1728	.0321	-.0013	.0171	.0091

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4447.0**	**61697.**	**17421.**
Stddev	4.9	153.	67.
%RSD	.10925	.24853	.38611
#1	4452.5	61646.	17386.
#2	4443.3	61576.	17379.
#3	4445.2	61869.	17499.

Sample Name: WG1442342-5,C Acquired: 12/8/2020 15:25:48 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0740**	**2.629**	**.1439**	**1.131**	**2.083**	**.0497**	**.2731**	**28.28**	**.0577**	**.5472**
Stddev	.0007	.017	.0011	.003	.020	.0006	.2501	.35	.0002	.0013
%RSD	.9054	.6318	.7373	.2267	.9664	1.225	91.58	1.255	.2633	.2358
#1	.0737	2.610	.1428	1.133	2.065	.0491	.1295	28.00	.0577	.5472
#2	.0735	2.635	.1440	1.128	2.078	.0497	.5619	28.16	.0576	.5459
#3	.0748	2.641	.1449	1.133	2.105	.0503	.1279	28.68	.0579	.5484

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2242**	**.2870**	**1.316**	**12.09**	**10.59**	**.4678**	**1.124**	**21.79**	**.5193**	**.5632**
Stddev	.0004	.0013	.018	.12	.12	.0063	.005	.22	.0014	.0004
%RSD	.1735	.4580	1.374	.9896	1.106	1.346	.4257	.9887	.2658	.0756
#1	.2243	.2870	1.303	11.99	10.46	.4623	1.120	21.60	.5184	.5629
#2	.2238	.2856	1.309	12.05	10.60	.4666	1.123	21.74	.5186	.5637
#3	.2246	.2883	1.337	12.22	10.70	.4747	1.129	22.02	.5209	.5629

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5886**	**.1312**	**11.57**	**1.138**	**1.220**	**1.129**	**.1290**	**.5654**	**.5565**
Stddev	.0012	.0003	.01	.003	.012	.001	.0008	.0003	.0024
%RSD	.2070	.2006	.0468	.2978	1.020	.0871	.6218	.0446	.4259
#1	.5882	.1314	11.56	1.136	1.209	1.129	.1282	.5651	.5559
#2	.5900	.1313	11.57	1.135	1.217	1.128	.1298	.5656	.5545
#3	.5877	.1309	11.56	1.141	1.233	1.130	.1290	.5655	.5591

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4373.0**	**60673.**	**17369.**
Stddev	4.0	174.	147.
%RSD	.09167	.28613	.84494
#1	4368.9	60531.	17500.
#2	4377.0	60867.	17397.
#3	4373.0	60622.	17211.

Sample Name: WG1442342-6,C,5 Acquired: 12/8/2020 15:30:14 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment: 10

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**.1123**	**.0001**	**.0133**	**.0053**	**-.0001**	**-.1528**	**4.136**	**.0001**	**-.0001**
Stddev	.0001	.0097	.0012	.0005	.0000	.0001	.1972	.034	.0000	.0002
%RSD	2.153	8.620	1905.	3.887	.8477	44.10	129.0	.8164	42.37	135.3
#1	.0041	.1201	-.0011	.0139	.0053	-.0001	-.3206	4.170	.0000	.0001
#2	.0041	.1014	.0013	.0133	.0052	-.0001	.0643	4.134	.0001	-.0002
#3	.0043	.1153	-.0000	.0128	.0053	-.0002	-.2022	4.103	.0001	-.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**.0116**	**.0892**	**.3378**	**.1468**	**.0014**	**.0038**	**2.472**	**.0005**	**.0008**
Stddev	.0003	.0002	.0006	.0177	.0014	.0001	.0007	.026	.0003	.0012
%RSD	15.42	1.590	.7164	5.234	.9619	9.953	19.17	1.062	57.61	156.0
#1	.0022	.0116	.0898	.3565	.1478	.0016	.0045	2.503	.0007	.0000
#2	.0016	.0118	.0886	.3356	.1474	.0013	.0037	2.457	.0002	.0002
#3	.0018	.0114	.0891	.3213	.1452	.0014	.0031	2.457	.0004	.0021

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0016**	**-.0009**	**2.314**	**.0003**	**.0381**	**.0073**	**-.0016**	**.0036**	**.0016**
Stddev	.0006	.0019	.068	.0004	.0004	.0001	.0006	.0004	.0001
%RSD	35.49	200.5	2.944	135.6	1.158	1.515	34.30	10.42	3.389
#1	.0011	-.0025	2.374	.0005	.0386	.0074	-.0022	.0040	.0016
#2	.0022	.0011	2.327	-.0002	.0379	.0072	-.0011	.0036	.0015
#3	.0014	-.0014	2.240	.0006	.0378	.0073	-.0015	.0033	.0015

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4536.0**	**63017.**	**17630.**
Stddev	18.2	86.	85.
%RSD	.40159	.13586	.48252
#1	4535.8	62969.	17728.
#2	4517.9	63115.	17575.
#3	4554.3	62966.	17587.

Sample Name: CCV Acquired: 12/8/2020 15:34:56 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5472**	**.5004**	**.5307**	**.5203**	**.4775**	**.4601**	**.7159**	**.4681**	**.5096**	**.5120**
Stddev	.0001	.0098	.0026	.0008	.0020	.0015	.0972	.0046	.0011	.0016
%RSD	.0220	1.967	.4812	.1492	.4089	.3214	13.57	.9914	.2086	.3209
#1	.5473	.5105	.5281	.5201	.4796	.4611	.8281	.4722	.5095	.5128
#2	.5471	.4998	.5306	.5197	.4773	.4608	.6602	.4631	.5086	.5101
#3	.5473	.4909	.5332	.5212	.4757	.4584	.6595	.4691	.5107	.5132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5019**	**.5235**	F **.4251**	**5.170**	**.5023**	F **.4344**	**.4944**	**10.52**	**.5051**	**.5085**
Stddev	.0014	.0013	.0019	.066	.0047	.0023	.0084	.02	.0012	.0023
%RSD	.2700	.2521	.4416	1.281	.9351	.5401	1.689	.2247	.2320	.4602
#1	.5005	.5233	.4229	5.243	.4998	.4370	.4858	10.54	.5051	.5078
#2	.5032	.5222	.4259	5.115	.4993	.4323	.4950	10.49	.5039	.5066
#3	.5020	.5249	.4263	5.151	.5077	.4340	.5025	10.52	.5062	.5111
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.5524			.5524				
Low Limit			.4476			.4476				

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5227**	**.5194**	**5.461**	**.5282**	**.5024**	**.5093**	**.5227**	**.5095**	**.5134**
Stddev	.0103	.0038	.019	.0051	.0014	.0012	.0021	.0006	.0014
%RSD	1.964	.7333	.3552	.9701	.2862	.2272	.4084	.1254	.2678
#1	.5130	.5153	5.455	.5246	.5040	.5090	.5207	.5089	.5139
#2	.5216	.5201	5.445	.5261	.5019	.5105	.5224	.5101	.5118
#3	.5334	.5228	5.483	.5341	.5013	.5083	.5250	.5094	.5144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4499.4**	**62393.**	**17734.**
Stddev	20.1	164.	44.
%RSD	.44701	.26335	.24983
#1	4516.0	62339.	17778.
#2	4505.2	62263.	17736.
#3	4477.0	62578.	17689.

Sample Name: CCB Acquired: 12/8/2020 15:39:22 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0010**	**-.0005**	**.0012**	**-.0002**	**-.0001**	**-.0999**	**-.0010**	**.0000**	**-.0003**
Stddev	.0003	.0079	.0013	.0004	.0001	.0000	.1254	.0015	.0000	.0000
%RSD	62.82	786.5	274.9	35.20	81.07	13.53	125.5	153.6	138.1	13.98
#1	.0005	.0062	-.0011	.0010	-.0003	-.0001	-.2191	.0007	.0000	-.0003
#2	.0009	-.0081	-.0012	.0010	-.0001	-.0001	-.1115	-.0017	-.0000	-.0003
#3	.0002	.0049	.0010	.0017	-.0001	-.0001	.0309	-.0018	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0095**	**.0002**	**.0190**	**.0012**	**.0001**	**.0062**	**.0108**	**.0000**	**.0007**
Stddev	.0001	.0001	.0026	.0145	.0012	.0001	.0014	.0025	.0002	.0004
%RSD	136.5	.8073	1442.	76.22	99.42	45.47	23.00	23.40	442.9	55.24
#1	-.0002	.0096	.0014	.0023	.0016	.0002	.0078	.0090	.0002	.0011
#2	-.0001	.0094	.0020	.0271	-.0002	.0002	.0060	.0137	-.0000	.0006
#3	.0000	.0096	-.0028	.0277	.0020	.0001	.0049	.0097	-.0001	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0140**	**-.0013**	**-.0189**	**.0035**	**-.0001**	**.0010**	**.0006**	**-.0002**	**-.0001**
Stddev	.0015	.0016	.0005	.0009	.0001	.0001	.0001	.0001	.0001
%RSD	10.96	123.1	2.495	27.18	101.0	11.55	18.52	62.40	102.7
#1	.0157	-.0007	-.0184	.0038	-.0000	.0012	.0005	-.0003	-.0002
#2	.0136	-.0031	-.0192	.0042	-.0001	.0010	.0006	-.0002	.0000
#3	.0127	-.0001	-.0192	.0024	-.0001	.0009	.0007	-.0001	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4508.3**	**63231.**	**17400.**
Stddev	30.8	111.	107.
%RSD	.68305	.17556	.61385
#1	4541.4	63171.	17315.
#2	4480.5	63163.	17365.
#3	4502.9	63359.	17520.

Sample Name: Std 0 Acquired: 12/8/2020 15:48:57 Type: Cal
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: IR Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**.0010**	**-.0001**	**.0004**	**-.0006**	**.0012**	**.0006**	**.0004**	**-.0000**	**.0011**
Stddev	.0001	.0002	.0001	.0002	.0002	.0000	.0001	.0002	.0001	.0002
%RSD	215.1	18.36	75.44	44.78	40.27	.8791	11.92	43.24	3594.	19.61
#1	-.0001	.0011	-.0000	.0002	-.0004	.0012	.0007	.0002	.0001	.0013
#2	.0001	.0011	-.0001	.0004	-.0008	.0012	.0005	.0005	.0000	.0009
#3	.0001	.0008	-.0001	.0006	-.0005	.0012	.0006	.0006	-.0001	.0011

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**.0125**	**.0002**	**.0005**	**-.0002**	**.0003**	**.0007**	**-.0006**	**.0011**	**-.0005**
Stddev	.0001	.0001	.0000	.0003	.0001	.0001	.0000	.0006	.0003	.0003
%RSD	44.50	1.031	14.47	71.45	33.73	19.24	4.822	97.60	27.10	68.87
#1	-.0003	.0125	.0002	.0008	-.0003	.0003	.0007	-.0001	.0010	-.0005
#2	-.0001	.0123	.0002	.0004	-.0001	.0002	.0007	-.0005	.0014	-.0007
#3	-.0002	.0125	.0002	.0002	-.0002	.0003	.0007	-.0012	.0008	-.0001

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**-.0001**	**.0015**	**.0002**	**-.0005**	**-.0003**	**-.0001**	**.0000**	**.0011**
Stddev	.0002	.0000	.0001	.0001	.0002	.0001	.0000	.0001	.0003
%RSD	74.82	60.18	6.037	36.65	33.28	17.85	29.40	1136.	27.09
#1	-.0003	-.0001	.0016	.0003	-.0004	-.0003	-.0001	.0000	.0012
#2	-.0003	-.0000	.0015	.0002	-.0007	-.0004	-.0001	.0001	.0013
#3	-.0000	-.0001	.0015	.0001	-.0003	-.0003	-.0002	-.0001	.0008

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4502.7**	**62899.**	**17785.**
Stddev	14.8	351.	111.
%RSD	.32853	.55842	.62450
#1	4511.6	62499.	17911.
#2	4511.0	63039.	17743.
#3	4485.7	63158.	17701.

Sample Name: ICAL Acquired: 12/8/2020 15:53:40 Type: Cal
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: IR Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.3840**	**.0384**	**.1080**	**.5517**	**2.443**	**1.829**	**-.0006**	**.0407**	**5.162**	**1.200**
Stddev	.0010	.0001	.0006	.0012	.004	.007	.0003	.0002	.011	.002
%RSD	.2540	.2881	.5936	.2175	.1512	.3894	49.31	.4935	.2185	.1359
#1	.3851	.0382	.1079	.5524	2.443	1.830	-.0009	.0407	5.149	1.198
#2	.3836	.0384	.1074	.5503	2.447	1.821	-.0003	.0404	5.169	1.200
#3	.3832	.0384	.1087	.5524	2.439	1.836	-.0006	.0408	5.168	1.201

Elem	Cr2677	Cu3247	Fe2599	Mg2790	Mn2576R	Mo2020	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1181**	**.4365**	**.0452**	**.0754**	**.3065**	**.8215**	**.8371**	**.3146**	**.1202**	**.1243**
Stddev	.0001	.0010	.0002	.0004	.0008	.0093	.0008	.0006	.0020	.0002
%RSD	.1036	.2300	.4573	.4834	.2481	1.127	.0989	.1785	1.648	.1528
#1	.1180	.4367	.0451	.0753	.3066	.8120	.8371	.3142	.1182	.1245
#2	.1181	.4353	.0451	.0752	.3056	.8221	.8362	.3152	.1204	.1241
#3	.1182	.4373	.0455	.0758	.3072	.8305	.8379	.3142	.1221	.1243

Elem	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1131**	**.2013**	**2.793**	**.3103**	**.1374**	**.2460**	**1.534**
Stddev	.0003	.0011	.004	.0000	.0005	.0002	.004
%RSD	.2621	.5486	.1259	.0045	.3563	.1002	.2331
#1	.1130	.2004	2.789	.3104	.1370	.2461	1.531
#2	.1128	.2010	2.796	.3103	.1374	.2457	1.538
#3	.1134	.2025	2.792	.3104	.1380	.2460	1.534

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4446.7**	**61682.**	**17755.**
Stddev	13.9	180.	135.
%RSD	.31246	.29180	.76068
#1	4448.6	61499.	17808.
#2	4459.5	61858.	17856.
#3	4431.9	61689.	17601.

Sample Name: Std Al Fe K Na Si Acquired: 12/8/2020 15:58:03 Type: Cal
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: IR Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Fe2599	K_7664	Na5895	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.113**	**.5765**	**1.872**	**1.851**
Stddev	.003	.0005	.003	.002
%RSD	.2917	.0876	.1509	.1007
#1	1.117	.5760	1.875	1.850
#2	1.111	.5767	1.869	1.853
#3	1.112	.5770	1.871	1.850

Int. Std.	Y_2243	Y_3710
Units	Cts/S	Cts/S
Avg	**4379.4**	**17508.**
Stddev	8.8	62.
%RSD	.20065	.35475
#1	4389.2	17510.
#2	4376.6	17445.
#3	4372.3	17570.

Sample Name: Std Ca Mg Si Acquired: 12/8/2020 16:02:45 Type: Cal
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: IR Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ca3158	Mg2790	Si2124
Units	Cts/S	Cts/S	Cts/S
Avg	.4050	.7551	.9239
Stddev	.0011	.0027	.0029
%RSD	.2628	.3605	.3177
#1	.4054	.7552	.9222
#2	.4038	.7523	.9273
#3	.4058	.7577	.9221

Int. Std.	Y_2243	Y_3710
Units	Cts/S	Cts/S
Avg	4397.9	17686.
Stddev	14.1	65.
%RSD	.32161	.36663
#1	4406.8	17760.
#2	4381.6	17655.
#3	4405.3	17642.

Sample Name: ICV Acquired: 12/8/2020 16:07:29 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4983**	**.4857**	**.5082**	**.5047**	**.4910**	**.4985**	**.5113**	**.4817**	**.4898**	**.4858**
Stddev	.0014	.0110	.0008	.0024	.0015	.0015	.1422	.0029	.0006	.0012
%RSD	.2795	2.273	.1484	.4736	.3040	.3016	27.82	.6079	.1168	.2450
#1	.4984	.4896	.5082	.5065	.4914	.4983	.3529	.4850	.4904	.4870
#2	.4969	.4943	.5089	.5020	.4922	.5001	.6282	.4803	.4892	.4858
#3	.4996	.4733	.5074	.5056	.4893	.4971	.5527	.4797	.4898	.4846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4914**	**.4882**	**.4850**	**5.120**	**.5143**	**.4843**	**.4730**	**10.18**	**.4915**	**.4905**
Stddev	.0010	.0013	.0029	.025	.0050	.0023	.0064	.02	.0005	.0011
%RSD	.1957	.2623	.6003	.4929	.9790	.4691	1.360	.2390	.1114	.2183
#1	.4925	.4890	.4881	5.143	.5144	.4869	.4670	10.19	.4921	.4915
#2	.4907	.4867	.4844	5.124	.5192	.4836	.4722	10.20	.4910	.4893
#3	.4910	.4889	.4824	5.093	.5092	.4825	.4797	10.16	.4914	.4906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5035**	**.5064**	**5.189**	**.5047**	**.4911**	**.4907**	**.4949**	**.4841**	**.5083**
Stddev	.0056	.0036	.012	.0020	.0015	.0005	.0019	.0005	.0001
%RSD	1.107	.7034	.2391	.4011	.2992	.0918	.3911	.0998	.0224
#1	.4979	.5055	5.203	.5044	.4917	.4911	.4964	.4846	.5085
#2	.5036	.5033	5.179	.5029	.4922	.4907	.4927	.4836	.5082
#3	.5091	.5103	5.185	.5069	.4894	.4902	.4957	.4840	.5083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4452.7**	**61847.**	**17817.**
Stddev	16.9	143.	62.
%RSD	.37971	.23160	.34567
#1	4439.2	61739.	17869.
#2	4471.6	62010.	17749.
#3	4447.2	61792.	17834.

Sample Name: ICB Acquired: 12/8/2020 16:11:56 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0148**	**-.0006**	**.0005**	**-.0000**	**.0001**	**-.0854**	**-.0079**	**.0000**	**-.0002**
Stddev	.0004	.0049	.0014	.0003	.0001	.0001	.1960	.0030	.0000	.0001
%RSD	1987.	33.32	231.6	56.48	153.9	66.95	229.6	38.14	266.3	32.96
#1	.0005	-.0153	-.0005	.0003	-.0001	.0001	-.0641	-.0072	.0000	-.0002
#2	-.0001	-.0195	.0007	.0008	.0000	.0002	-.2911	-.0113	.0000	-.0002
#3	-.0004	-.0096	-.0021	.0003	-.0001	.0001	.0991	-.0053	-.0000	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0011**	**.0013**	**.0335**	**.0013**	**-.0003**	**.0061**	**-.0067**	**.0000**	**.0003**
Stddev	.0006	.0004	.0003	.0085	.0035	.0003	.0015	.0035	.0004	.0005
%RSD	245.0	39.63	23.34	25.22	262.8	106.1	23.70	52.75	3057.	189.9
#1	.0001	-.0008	.0010	.0285	.0009	-.0005	.0077	-.0100	.0004	-.0000
#2	-.0009	-.0016	.0016	.0433	-.0019	-.0004	.0059	-.0071	-.0000	-.0000
#3	.0001	-.0009	.0014	.0287	.0051	.0001	.0048	-.0030	-.0004	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0145**	**.0026**	**.0035**	**.0043**	**-.0000**	**.0007**	**.0011**	**-.0000**	**-.0001**
Stddev	.0031	.0011	.0011	.0003	.0001	.0002	.0013	.0002	.0001
%RSD	21.67	41.48	30.49	7.462	209.4	21.06	117.9	374.1	38.49
#1	.0181	.0017	.0047	.0047	-.0001	.0006	.0003	-.0002	-.0001
#2	.0127	.0038	.0031	.0041	.0001	.0008	.0004	-.0001	-.0002
#3	.0126	.0024	.0027	.0041	-.0001	.0009	.0027	.0001	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4464.1**	**63040.**	**17583.**
Stddev	6.4	208.	59.
%RSD	.14248	.32923	.33512
#1	4459.1	62803.	17637.
#2	4471.3	63189.	17592.
#3	4462.1	63128.	17520.

Sample Name: WG1442054-1,T Acquired: 12/8/2020 16:28:51 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0104**	**.0001**	**-.0001**	**.0000**	**.0001**	**.1805**	**-.0046**	**-.0000**	**-.0001**
Stddev	.0003	.0054	.0011	.0002	.0002	.0001	.0141	.0050	.0000	.0002
%RSD	112.7	51.97	1231.	290.9	10360.	66.53	7.815	107.1	244.6	201.0
#1	-.0004	-.0162	.0004	-.0002	-.0000	.0000	.1826	-.0015	.0000	-.0002
#2	-.0005	-.0054	.0010	.0001	-.0001	.0001	.1654	-.0104	-.0000	.0001
#3	.0001	-.0096	-.0011	-.0000	.0002	.0001	.1934	-.0020	-.0000	-.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0015**	**-.0012**	**.0206**	**.0046**	**.0003**	**-.0003**	**.0102**	**.0007**	**.0005**
Stddev	.0002	.0004	.0008	.0098	.0013	.0003	.0003	.0042	.0002	.0004
%RSD	96.25	25.63	67.57	47.69	29.21	123.7	87.03	40.99	26.74	90.94
#1	.0004	.0019	-.0020	.0094	.0032	-.0001	-.0003	.0055	.0008	-.0000
#2	.0001	.0015	-.0011	.0276	.0059	.0005	-.0006	.0136	.0007	.0006
#3	.0001	.0011	-.0004	.0250	.0048	.0004	-.0000	.0116	.0005	.0008

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0010**	**.0090**	**.0004**	**-.0000**	**-.0001**	**.0011**	**-.0001**	**-.0002**
Stddev	.0008	.0004	.0005	.0001	.0001	.0004	.0004	.0004	.0001
%RSD	1140.	35.52	5.367	17.73	1159.	307.5	37.85	566.0	51.54
#1	.0003	-.0006	.0091	.0004	-.0000	.0000	.0015	-.0004	-.0001
#2	.0004	-.0013	.0094	.0004	-.0001	-.0006	.0012	-.0001	-.0003
#3	-.0010	-.0010	.0084	.0005	.0001	.0001	.0007	.0003	-.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4410.0**	**62498.**	**18079.**
Stddev	11.0	222.	112.
%RSD	.24869	.35445	.62194
#1	4419.3	62661.	17993.
#2	4398.0	62588.	18038.
#3	4412.8	62246.	18206.

Sample Name: WG1442054-2,T Acquired: 12/8/2020 16:33:35 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0505**	**2.016**	**.1349**	**1.020**	**1.999**	**.0510**	**.3030**	**9.934**	**.0555**	**.5088**
Stddev	.0004	.008	.0011	.001	.014	.0003	.1244	.061	.0002	.0011
%RSD	.8753	.3916	.8303	.0918	.7181	.5954	41.05	.6134	.3052	.2132
#1	.0504	2.023	.1340	1.019	1.992	.0511	.3555	9.895	.0555	.5079
#2	.0509	2.019	.1362	1.020	2.016	.0513	.3924	10.00	.0557	.5100
#3	.0501	2.008	.1346	1.020	1.990	.0507	.1609	9.903	.0554	.5085

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2045**	**.2534**	**.9952**	**10.04**	**9.922**	**.4884**	**1.004**	**10.20**	**.4973**	**.5544**
Stddev	.0005	.0004	.0036	.07	.018	.0030	.011	.07	.0018	.0012
%RSD	.2255	.1680	.3608	.7198	.1832	.6135	1.135	.6541	.3714	.2185
#1	.2050	.2533	.9947	10.01	9.914	.4859	.9922	10.17	.4955	.5538
#2	.2046	.2531	.9990	10.13	9.943	.4917	1.005	10.28	.4992	.5558
#3	.2041	.2539	.9919	10.00	9.910	.4875	1.015	10.16	.4972	.5537

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4987**	**.1304**	**.8492**	**1.047**	**.9685**	**1.014**	**.1298**	**.5013**	**.5375**
Stddev	.0103	.0019	.0031	.007	.0058	.000	.0009	.0007	.0013
%RSD	2.061	1.443	.3631	.6929	.5991	.0200	.7178	.1309	.2420
#1	.4873	.1314	.8482	1.039	.9651	1.014	.1287	.5018	.5367
#2	.5016	.1282	.8527	1.054	.9752	1.014	.1304	.5005	.5390
#3	.5073	.1315	.8468	1.048	.9652	1.014	.1302	.5015	.5368

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4297.8**	**60399.**	**17772.**
Stddev	6.5	190.	121.
%RSD	.15215	.31508	.68269
#1	4305.1	60472.	17805.
#2	4296.1	60183.	17638.
#3	4292.3	60543.	17874.

Sample Name: L2053298-01,T Acquired: 12/8/2020 16:38:02 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0152**	**.0003**	**.0241**	**.0088**	**.0000**	**.1478**	**4.842**	**.0000**	**.0001**
Stddev	.0002	.0036	.0012	.0004	.0002	.0001	.2999	.021	.0000	.0003
%RSD	100.7	24.05	397.7	1.827	1.964	348.7	203.0	.4284	221.5	213.8
#1	-.0000	.0191	.0016	.0243	.0086	.0001	-.0462	4.853	-.0000	-.0001
#2	-.0002	.0120	-.0007	.0244	.0087	-.0000	-.0037	4.818	.0000	.0004
#3	-.0004	.0144	-.0000	.0236	.0090	.0000	.4932	4.854	.0000	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0335**	**.0441**	**1.978**	**1.105**	**.0070**	**.0089**	**60.39**	**.0012**	**.0009**
Stddev	.0003	.0003	.0014	.022	.005	.0001	.0011	.31	.0002	.0015
%RSD	78.67	.8689	3.196	1.120	.4662	1.779	12.84	.5083	15.36	154.2
#1	.0007	.0332	.0458	1.991	1.099	.0069	.0101	60.08	.0013	.0009
#2	.0002	.0335	.0435	1.953	1.109	.0072	.0088	60.41	.0013	-.0005
#3	.0003	.0338	.0431	1.991	1.107	.0070	.0078	60.69	.0010	.0025

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0156**	**.0003**	**2.494**	**.0059**	**.0377**	**.0102**	**.0005**	**-.0002**	**.0194**
Stddev	.0034	.0011	.009	.0010	.0002	.0015	.0005	.0001	.0001
%RSD	21.61	330.9	.3631	16.23	.5628	14.93	90.15	40.92	.6246
#1	.0190	.0001	2.503	.0064	.0375	.0094	.0002	-.0002	.0194
#2	.0155	-.0006	2.495	.0065	.0376	.0119	.0004	-.0002	.0193
#3	.0123	.0015	2.485	.0048	.0379	.0092	.0011	-.0001	.0195

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4270.7**	**60124.**	**17865.**
Stddev	20.5	257.	85.
%RSD	.48081	.42733	.47449
#1	4291.5	60391.	17961.
#2	4250.4	59878.	17836.
#3	4270.3	60104.	17799.

Sample Name: WG1442054-3,T Acquired: 12/8/2020 16:42:42 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0508**	**1.979**	**.1359**	**1.034**	**1.967**	**.0503**	**.5065**	**14.35**	**.0544**	**.5020**
Stddev	.0003	.008	.0017	.006	.001	.0002	.1577	.03	.0000	.0007
%RSD	.6115	.3823	1.237	.5598	.0468	.3736	31.14	.2418	.0666	.1378
#1	.0505	1.982	.1369	1.031	1.967	.0504	.5415	14.31	.0544	.5016
#2	.0508	1.971	.1340	1.031	1.968	.0501	.3342	14.38	.0544	.5016
#3	.0512	1.985	.1368	1.041	1.967	.0504	.6438	14.37	.0544	.5028

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2022**	**.2881**	**1.013**	**11.58**	**10.27**	**.4844**	**.9538**	**70.52**	**.4891**	**.5399**
Stddev	.0015	.0004	.001	.03	.03	.0015	.0168	.05	.0008	.0030
%RSD	.7501	.1466	.0871	.2350	.3047	.3099	1.758	.0766	.1721	.5543
#1	.2021	.2885	1.013	11.61	10.30	.4827	.9367	70.47	.4893	.5373
#2	.2007	.2877	1.012	11.58	10.25	.4851	.9544	70.58	.4882	.5392
#3	.2037	.2882	1.014	11.55	10.26	.4855	.9702	70.52	.4898	.5431

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5237**	**.1328**	**3.389**	**1.016**	**.9683**	**.9910**	**.1261**	**.4984**	**.5517**
Stddev	.0094	.0004	.009	.002	.0001	.0046	.0010	.0022	.0013
%RSD	1.802	.2936	.2557	.2126	.0133	.4598	.8238	.4481	.2413
#1	.5148	.1327	3.382	1.015	.9682	.9932	.1252	.4989	.5508
#2	.5227	.1324	3.386	1.015	.9684	.9858	.1260	.4960	.5510
#3	.5336	.1332	3.398	1.019	.9682	.9941	.1272	.5004	.5532

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4214.6**	**58857.**	**17896.**
Stddev	5.1	237.	69.
%RSD	.12178	.40237	.38787
#1	4219.5	59051.	17929.
#2	4215.1	58928.	17816.
#3	4209.3	58593.	17943.

Sample Name: WG1442054-4,T Acquired: 12/8/2020 16:47:09 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: GD Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0200**	**-.0004**	**.0244**	**.0086**	**.0001**	**.0522**	**4.803**	**-.0000**	**.0001**
Stddev	.0003	.0089	.0008	.0008	.0002	.0000	.0584	.007	.0000	.0000
%RSD	573.3	44.50	207.5	3.115	2.128	39.16	111.9	.1502	67.54	16.98
#1	-.0003	.0299	.0003	.0239	.0087	.0000	.0224	4.804	-.0000	.0001
#2	.0003	.0127	-.0002	.0252	.0084	.0001	.1194	4.796	-.0001	.0001
#3	.0001	.0174	-.0012	.0239	.0087	.0000	.0147	4.810	-.0001	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0333**	**.0436**	**1.961**	**1.097**	**.0067**	**.0116**	**60.13**	**.0012**	**.0011**
Stddev	.0006	.0002	.0013	.026	.011	.0002	.0019	.09	.0001	.0003
%RSD	67.87	.5796	2.909	1.316	.9690	3.494	16.11	.1560	4.714	27.21
#1	.0004	.0332	.0426	1.969	1.102	.0065	.0136	60.19	.0012	.0009
#2	.0015	.0335	.0431	1.932	1.103	.0068	.0112	60.17	.0012	.0010
#3	.0007	.0333	.0450	1.982	1.084	.0069	.0099	60.02	.0011	.0014

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0123**	**.0025**	**2.484**	**.0030**	**.0373**	**.0103**	**.0016**	**-.0003**	**.0198**
Stddev	.0013	.0015	.006	.0004	.0000	.0010	.0006	.0003	.0000
%RSD	10.40	58.42	.2468	13.69	.1264	9.677	39.32	94.92	.2396
#1	.0137	.0008	2.478	.0032	.0373	.0096	.0023	-.0004	.0198
#2	.0116	.0032	2.485	.0033	.0373	.0098	.0014	-.0006	.0197
#3	.0115	.0034	2.490	.0026	.0374	.0114	.0011	.0000	.0198

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4251.3**	**60027.**	**17908.**
Stddev	9.0	73.	118.
%RSD	.21079	.12117	.66129
#1	4261.6	60106.	17845.
#2	4245.1	59962.	17835.
#3	4247.3	60014.	18045.

Sample Name: WG1442054-5,T Acquired: 12/8/2020 16:51:50 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0565**	**2.215**	**.1447**	**1.157**	**2.204**	**.0565**	**.5162**	**15.19**	**.0594**	**.5516**
Stddev	.0004	.010	.0053	.030	.012	.0005	.2629	.09	.0018	.0173
%RSD	.7364	.4510	3.635	2.565	.5627	.8092	50.93	.6169	3.106	3.129
#1	.0570	2.217	.1488	1.181	2.218	.0571	.5912	15.30	.0608	.5654
#2	.0562	2.205	.1466	1.167	2.197	.0563	.7335	15.12	.0600	.5573
#3	.0564	2.224	.1388	1.124	2.196	.0563	.2240	15.15	.0573	.5323

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2254**	**.3165**	**1.112**	**12.93**	**11.61**	**.5378**	**1.087**	**70.18**	**.5390**	**.5804**
Stddev	.0003	.0026	.007	.09	.05	.0029	.013	.24	.0164	.0181
%RSD	.1298	.8087	.6150	.6638	.4120	.5396	1.169	.3463	3.048	3.124
#1	.2255	.3189	1.120	13.02	11.62	.5401	1.090	70.45	.5514	.5935
#2	.2257	.3167	1.108	12.89	11.55	.5388	1.097	70.10	.5454	.5880
#3	.2251	.3138	1.107	12.86	11.65	.5346	1.073	69.98	.5204	.5597

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5136**	**.1427**	**2.757**	**1.134**	**1.101**	**1.142**	**.1337**	**.5555**	**.6033**
Stddev	.0053	.0041	.008	.029	.007	.003	.0038	.0021	.0197
%RSD	1.026	2.843	.3061	2.560	.6379	.2901	2.822	.3814	3.257
#1	.5076	.1461	2.752	1.154	1.109	1.143	.1367	.5574	.6193
#2	.5171	.1437	2.751	1.146	1.098	1.138	.1349	.5532	.6093
#3	.5162	.1382	2.766	1.100	1.096	1.144	.1295	.5560	.5814

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4207.5**	**58983.**	**17846.**
Stddev	4.7	382.	28.
%RSD	.11207	.64724	.15493
#1	4208.3	58542.	17814.
#2	4211.7	59198.	17864.
#3	4202.4	59209.	17861.

Sample Name: L2053118-01,T Acquired: 12/8/2020 16:56:18 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.3700**	**.0001**	**.0937**	**.0265**	**.0001**	**.1663**	**8.435**	**.0002**	**.0005**
Stddev	.0001	.0100	.0013	.0005	.0003	.0001	.1123	.067	.0000	.0001
%RSD	2974.	2.701	1102.	.5288	1.032	116.4	67.50	.7984	19.52	19.31
#1	.0001	.3812	.0016	.0942	.0268	.0003	.0399	8.501	.0001	.0004
#2	-.0002	.3620	-.0006	.0936	.0263	.0001	.2047	8.367	.0002	.0005
#3	.0001	.3669	-.0007	.0932	.0264	.0000	.2544	8.437	.0002	.0006

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0031**	**.0374**	**1.297**	**7.746**	**23.26**	**.0232**	**.0114**	**202.8**	**.0033**	**.0050**
Stddev	.0002	.0002	.011	.034	.14	.0002	.0016	1.2	.0001	.0003
%RSD	7.318	.6636	.8184	.4438	.6050	.6510	13.86	.5965	2.374	6.740
#1	.0029	.0371	1.307	7.759	23.22	.0233	.0130	203.2	.0032	.0046
#2	.0033	.0376	1.286	7.707	23.15	.0230	.0114	201.4	.0033	.0052
#3	.0030	.0375	1.299	7.772	23.42	.0232	.0098	203.7	.0033	.0051

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0209**	**.0006**	**.5467**	**.0073**	**.1461**	**.0247**	**.0004**	**.0015**	**.1463**
Stddev	.0015	.0018	.0006	.0010	.0002	.0006	.0008	.0002	.0010
%RSD	7.387	317.9	.1112	13.92	.1649	2.239	207.3	10.75	.7133
#1	.0226	.0001	.5465	.0075	.1463	.0248	.0012	.0014	.1456
#2	.0195	-.0009	.5474	.0081	.1459	.0251	-.0004	.0015	.1458
#3	.0207	.0025	.5462	.0062	.1462	.0240	.0003	.0017	.1475

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4111.5**	**56866.**	**17544.**
Stddev	14.4	223.	135.
%RSD	.35033	.39292	.77092
#1	4128.0	57109.	17559.
#2	4105.5	56818.	17671.
#3	4101.1	56670.	17402.

Sample Name: L2053277-01,T Acquired: 12/8/2020 17:01:06 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.1637**	**.0011**	**.0391**	**.0437**	**.0001**	**.1400**	**15.86**	**.0000**	**.0004**
Stddev	.0001	.0058	.0019	.0002	.0001	.0001	.0897	.06	.0000	.0001
%RSD	104.2	3.571	166.9	.4546	.2279	75.71	64.12	.3521	11.41	15.37
#1	.0002	.1636	.0016	.0394	.0438	.0002	.0878	15.90	.0000	.0005
#2	.0002	.1579	-.0010	.0390	.0436	.0001	.0885	15.88	.0000	.0004
#3	-.0000	.1696	.0027	.0391	.0436	.0000	.2436	15.79	.0000	.0004

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0039**	**2.138**	**2.621**	**3.869**	**.2582**	**.0016**	**39.35**	**.0015**	**.0020**
Stddev	.0003	.0004	.011	.020	.022	.0020	.0002	.09	.0001	.0010
%RSD	87.55	11.23	.5044	.7743	.5776	.7555	10.32	.2344	7.431	49.56
#1	.0004	.0042	2.131	2.608	3.875	.2579	.0017	39.37	.0015	.0031
#2	.0005	.0034	2.150	2.644	3.887	.2603	.0014	39.44	.0016	.0015
#3	.0000	.0042	2.133	2.611	3.844	.2565	.0016	39.25	.0014	.0014

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0028**	**-.0015**	**5.897**	**.0009**	**.0948**	**.0063**	**.0011**	**.0004**	**.0236**
Stddev	.0006	.0010	.008	.0006	.0005	.0001	.0002	.0000	.0003
%RSD	20.22	65.45	.1387	58.37	.5791	2.330	22.52	7.392	1.098
#1	.0033	-.0005	5.888	.0015	.0946	.0062	.0010	.0004	.0237
#2	.0022	-.0024	5.905	.0004	.0955	.0064	.0013	.0005	.0237
#3	.0031	-.0014	5.897	.0009	.0945	.0062	.0009	.0005	.0233

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4245.9**	**59665.**	**17814.**
Stddev	3.9	284.	65.
%RSD	.09255	.47632	.36540
#1	4247.6	59369.	17783.
#2	4248.7	59691.	17770.
#3	4241.4	59936.	17888.

Sample Name: L2053310-01,T Acquired: 12/8/2020 17:05:45 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**-.0133**	**-.0005**	**.0079**	**.0043**	**.0000**	**.2712**	**2.350**	**-.0000**	**.0001**
Stddev	.0002	.0139	.0015	.0002	.0003	.0001	.1495	.018	.0000	.0000
%RSD	54.76	104.2	321.8	2.461	5.878	265.7	55.11	.7749	176.8	62.88
#1	-.0004	-.0015	-.0003	.0077	.0045	.0000	.1713	2.361	-.0000	.0000
#2	-.0004	-.0098	-.0020	.0080	.0043	.0001	.1993	2.361	-.0000	.0001
#3	-.0001	-.0286	.0009	.0080	.0040	-.0000	.4431	2.329	.0000	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0204**	**.0336**	**3.333**	**.4406**	**.0029**	**.0013**	**32.17**	**.0042**	**.0002**
Stddev	.0007	.0004	.0021	.014	.0055	.0003	.0002	.03	.0001	.0007
%RSD	238.0	1.951	6.159	.4127	1.258	12.06	12.67	.0980	1.977	423.9
#1	-.0003	.0209	.0320	3.335	.4446	.0026	.0015	32.16	.0042	.0010
#2	.0011	.0203	.0359	3.346	.4343	.0033	.0013	32.21	.0041	-.0005
#3	.0001	.0201	.0329	3.318	.4428	.0028	.0012	32.15	.0042	.0000

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**-.0006**	**1.791**	**.0018**	**.0189**	**.0007**	**-.0001**	**-.0001**	**.0097**
Stddev	.0007	.0004	.002	.0005	.0001	.0002	.0010	.0002	.0001
%RSD	16.30	64.20	.1346	26.24	.5375	34.91	892.5	300.5	.6092
#1	.0049	-.0008	1.794	.0016	.0188	.0007	.0010	-.0001	.0098
#2	.0036	-.0001	1.790	.0014	.0190	.0005	-.0008	.0001	.0097
#3	.0040	-.0008	1.789	.0023	.0188	.0010	-.0005	-.0002	.0097

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4218.0**	**59584.**	**17837.**
Stddev	6.0	215.	7.
%RSD	.14248	.36098	.03760
#1	4225.0	59358.	17841.
#2	4214.0	59605.	17840.
#3	4215.2	59787.	17829.

Sample Name: WG1442054-6,T,5 Acquired: 12/8/2020 17:10:26 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0029**	**-.0014**	**.0054**	**.0015**	**-.0000**	**-.0224**	**.8371**	**.0000**	**-.0002**
Stddev	.0002	.0087	.0012	.0006	.0001	.0000	.1045	.0386	.0000	.0000
%RSD	100.1	298.1	90.51	11.90	4.391	130.3	466.5	4.607	52.35	26.07
#1	.0000	.0052	-.0017	.0047	.0015	-.0000	-.0379	.8013	.0000	-.0002
#2	-.0004	-.0019	-.0024	.0057	.0015	.0000	.0890	.8320	.0000	-.0002
#3	-.0003	-.0121	.0000	.0059	.0016	-.0001	-.1183	.8779	.0000	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0073**	**.0094**	**.3462**	**.2204**	**.0008**	**.0010**	**10.39**	**.0003**	**-.0004**
Stddev	.0004	.0004	.0005	.0067	.0041	.0001	.0003	.41	.0004	.0007
%RSD	164.0	5.066	5.325	1.923	1.881	6.900	27.78	3.936	124.2	153.4
#1	.0001	.0074	.0098	.3538	.2168	.0008	.0013	10.03	-.0001	.0003
#2	-.0007	.0077	.0088	.3413	.2193	.0008	.0008	10.30	.0005	-.0005
#3	-.0002	.0069	.0095	.3436	.2249	.0009	.0010	10.84	.0005	-.0010

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**.0008**	**.5991**	**.0018**	**.0064**	**.0033**	**.0008**	**-.0003**	**.0044**
Stddev	.0017	.0017	.0560	.0007	.0004	.0007	.0008	.0001	.0004
%RSD	34.16	210.8	9.354	36.47	6.302	20.63	101.8	50.08	9.239
#1	.0066	-.0009	.5465	.0025	.0060	.0030	.0014	-.0001	.0040
#2	.0055	.0008	.5929	.0018	.0063	.0029	.0011	-.0003	.0045
#3	.0032	.0025	.6581	.0012	.0068	.0041	-.0001	-.0004	.0047

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4280.0**	**60897.**	**17704.**
Stddev	21.5	134.	18.
%RSD	.50231	.22068	.09954
#1	4280.3	61034.	17699.
#2	4301.4	60765.	17690.
#3	4258.4	60892.	17724.

Sample Name: CCV Acquired: 12/8/2020 17:15:10 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5082**	**.4944**	**.5203**	**.5179**	**.4878**	**.4937**	**.7264**	**.4728**	**.5022**	**.4979**
Stddev	.0019	.0050	.0001	.0014	.0016	.0031	.1199	.0047	.0008	.0009
%RSD	.3687	1.007	.0264	.2673	.3347	.6185	16.51	.9941	.1680	.1804
#1	.5061	.4981	.5201	.5168	.4862	.4925	.8610	.4772	.5012	.4969
#2	.5088	.4962	.5202	.5194	.4877	.4914	.6308	.4732	.5027	.4986
#3	.5098	.4887	.5204	.5174	.4894	.4971	.6873	.4679	.5027	.4982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5000**	**.5019**	**.4791**	**5.093**	**.5115**	**.4774**	**.4852**	**10.12**	**.5053**	**.5016**
Stddev	.0022	.0005	.0018	.013	.0070	.0032	.0083	.04	.0015	.0011
%RSD	.4334	.0946	.3714	.2625	1.370	.6786	1.703	.3676	.3038	.2168
#1	.4975	.5015	.4772	5.089	.5036	.4737	.4760	10.09	.5045	.5004
#2	.5010	.5024	.4807	5.108	.5138	.4798	.4876	10.12	.5071	.5016
#3	.5015	.5019	.4795	5.082	.5170	.4788	.4919	10.16	.5043	.5026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5197**	**.5194**	**5.367**	**.5195**	**.4888**	**.4994**	**.5080**	**.4919**	**.5176**
Stddev	.0076	.0017	.006	.0030	.0017	.0015	.0005	.0014	.0013
%RSD	1.459	.3276	.1138	.5743	.3573	.3007	.1003	.2796	.2471
#1	.5121	.5181	5.364	.5167	.4871	.4981	.5084	.4903	.5163
#2	.5198	.5213	5.374	.5192	.4887	.4991	.5082	.4929	.5176
#3	.5272	.5188	5.362	.5226	.4905	.5011	.5074	.4925	.5188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4305.1**	**60843.**	**17776.**
Stddev	12.0	332.	68.
%RSD	.27969	.54531	.38324
#1	4314.5	61226.	17849.
#2	4291.5	60657.	17714.
#3	4309.3	60646.	17767.

Sample Name: CCB Acquired: 12/8/2020 17:19:37 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**-.0122**	**-.0011**	**.0005**	**-.0001**	**.0001**	**-.0596**	**-.0042**	**.0000**	**-.0002**
Stddev	.0002	.0010	.0012	.0002	.0001	.0001	.1308	.0044	.0000	.0001
%RSD	39.85	7.875	108.3	31.37	269.4	50.81	219.6	104.9	1707.	43.53
#1	.0007	-.0116	-.0026	.0003	.0001	.0001	-.1923	-.0092	.0000	-.0001
#2	.0003	-.0117	-.0004	.0005	-.0002	.0001	.0693	-.0021	.0000	-.0002
#3	.0005	-.0134	-.0004	.0006	-.0001	.0000	-.0558	-.0012	-.0000	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0015**	**-.0000**	**.0091**	**.0024**	**-.0001**	**.0063**	**-.0037**	**.0000**	**-.0011**
Stddev	.0003	.0001	.0009	.0230	.0035	.0003	.0014	.0032	.0002	.0009
%RSD	441.6	6.859	26070.	251.4	145.2	276.0	22.76	85.81	4877.	86.96
#1	.0004	.0016	-.0010	.0072	.0045	-.0004	.0078	-.0051	.0002	.0000
#2	-.0002	.0015	.0002	-.0128	.0043	.0000	.0058	-.0059	-.0002	-.0017
#3	.0000	.0014	.0007	.0331	-.0016	.0001	.0051	-.0001	.0000	-.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0165**	**.0007**	**.0037**	**.0046**	**-.0001**	**.0007**	**-.0002**	**-.0001**	**.0000**
Stddev	.0021	.0015	.0006	.0007	.0000	.0003	.0010	.0001	.0000
%RSD	12.61	206.6	15.86	16.16	27.61	52.06	414.1	168.1	164.9
#1	.0182	-.0008	.0031	.0055	-.0001	.0010	-.0001	.0001	.0000
#2	.0170	.0022	.0038	.0044	-.0000	.0007	-.0013	-.0001	.0001
#3	.0141	.0008	.0043	.0041	-.0001	.0003	.0007	-.0002	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4312.0**	**61694.**	**17613.**
Stddev	5.7	212.	115.
%RSD	.13263	.34394	.65429
#1	4307.7	61860.	17557.
#2	4309.9	61768.	17746.
#3	4318.5	61455.	17537.

Sample Name: CCV Acquired: 12/8/2020 18:14:06 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5208**	**.5120**	**.5253**	**.5211**	**.4856**	**.4953**	**.6538**	**.4749**	**.5109**	**.5043**
Stddev	.0116	.0103	.0030	.0006	.0015	.0019	.0862	.0071	.0013	.0009
%RSD	2.235	2.004	.5719	.1201	.3189	.3815	13.18	1.492	.2586	.1760
#1	.5343	.5231	.5287	.5217	.4851	.4959	.5597	.4672	.5125	.5054
#2	.5142	.5029	.5244	.5205	.4844	.4932	.7289	.4762	.5102	.5038
#3	.5140	.5101	.5229	.5211	.4874	.4969	.6727	.4812	.5102	.5038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5144**	**.5143**	**.4739**	**5.109**	**.5201**	**.4767**	**.4907**	**10.14**	**.5130**	**.5087**
Stddev	.0108	.0098	.0032	.029	.0056	.0008	.0068	.04	.0016	.0007
%RSD	2.108	1.896	.6754	.5584	1.078	.1679	1.377	.3673	.3075	.1398
#1	.5269	.5255	.4726	5.108	.5186	.4758	.4840	10.14	.5147	.5095
#2	.5084	.5092	.4714	5.082	.5154	.4769	.4908	10.10	.5126	.5082
#3	.5079	.5081	.4775	5.139	.5263	.4773	.4975	10.18	.5116	.5084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5209**	**.5224**	**5.438**	**.5254**	**.4883**	**.5100**	**.5171**	**.5011**	**.5246**
Stddev	.0088	.0007	.006	.0019	.0014	.0095	.0010	.0101	.0019
%RSD	1.695	.1382	.1077	.3580	.2802	1.867	.1891	2.023	.3629
#1	.5123	.5232	5.444	.5238	.4879	.5209	.5163	.5127	.5268
#2	.5203	.5222	5.433	.5249	.4872	.5055	.5182	.4965	.5237
#3	.5300	.5219	5.436	.5275	.4898	.5036	.5167	.4941	.5234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4312.6**	**60465.**	**17897.**
Stddev	8.5	1094.	190.
%RSD	.19602	1.8089	1.0604
#1	4320.3	59206.	18037.
#2	4314.1	61003.	17973.
#3	4303.6	61185.	17681.

Sample Name: CCB Acquired: 12/8/2020 18:18:34 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0165**	**-.0011**	**.0000**	**-.0000**	**.0001**	**-.0225**	**-.0036**	**.0000**	**-.0002**
Stddev	.0003	.0021	.0014	.0001	.0001	.0000	.0753	.0063	.0000	.0003
%RSD	233.0	12.67	135.0	278.0	118.3	48.07	335.0	172.9	175.1	104.4
#1	.0002	-.0150	-.0025	-.0001	-.0001	.0001	-.1055	.0029	.0000	-.0002
#2	.0004	-.0157	.0003	.0001	.0000	.0001	-.0033	-.0042	.0000	-.0005
#3	-.0002	-.0189	-.0010	.0001	-.0000	.0000	.0414	-.0095	-.0000	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0025**	**-.0004**	**.0065**	**.0026**	**-.0005**	**.0057**	**-.0037**	**-.0002**	**-.0008**
Stddev	.0005	.0005	.0012	.0234	.0013	.0005	.0016	.0070	.0002	.0013
%RSD	3895.	19.27	324.1	357.6	47.50	100.5	28.26	192.2	112.3	175.2
#1	-.0002	.0020	.0001	-.0100	.0024	-.0002	.0073	-.0044	-.0004	.0007
#2	.0005	.0027	.0005	-.0037	.0015	-.0002	.0057	-.0103	.0000	-.0012
#3	-.0004	.0029	-.0017	.0333	.0040	-.0010	.0041	.0037	-.0002	-.0018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0137**	**.0006**	**.0028**	**.0046**	**-.0002**	**.0011**	**-.0002**	**-.0002**	**.0001**
Stddev	.0027	.0014	.0008	.0006	.0001	.0004	.0010	.0004	.0000
%RSD	19.86	255.8	28.39	12.58	48.03	40.53	427.3	234.7	85.61
#1	.0159	.0002	.0035	.0051	-.0001	.0016	-.0008	.0001	.0001
#2	.0146	.0022	.0020	.0046	-.0002	.0007	-.0008	-.0006	.0001
#3	.0107	-.0006	.0028	.0040	-.0002	.0010	.0009	.0001	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4295.6**	**61406.**	**17703.**
Stddev	4.6	299.	79.
%RSD	.10812	.48726	.44420
#1	4290.5	61235.	17792.
#2	4296.5	61751.	17644.
#3	4299.7	61231.	17673.

Sample Name: L2053625-01,T Acquired: 12/8/2020 18:26:33 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0129**	**.0323**	**.0028**	**.0077**	**.0001**	**-.0382**	**55.90**	**-.0000**	**-.0000**
Stddev	.0003	.0086	.0014	.0003	.0001	.0000	.0362	.24	.0000	.0003
%RSD	61.20	66.30	4.342	10.96	1.480	36.24	94.54	.4287	47.82	1102.
#1	-.0001	.0223	.0326	.0031	.0076	.0001	-.0728	55.80	-.0001	-.0003
#2	-.0005	.0056	.0307	.0025	.0077	.0001	-.0413	56.18	-.0001	.0003
#3	-.0006	.0109	.0334	.0028	.0078	.0001	-.0007	55.73	-.0000	-.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0004**	**.0198**	**4.061**	**8.829**	**.0112**	**.0003**	**11.26**	**.0005**	**.0006**
Stddev	.0004	.0003	.0016	.032	.051	.0004	.0000	.05	.0002	.0004
%RSD	241.6	79.28	8.199	.7881	.5820	3.508	13.26	.4351	48.40	75.75
#1	-.0001	-.0005	.0179	4.026	8.854	.0107	.0003	11.22	.0004	.0003
#2	.0006	-.0005	.0210	4.089	8.770	.0114	.0004	11.31	.0007	.0011
#3	.0000	-.0000	.0204	4.068	8.863	.0114	.0003	11.25	.0003	.0003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0008**	**6.017**	**.0011**	**.1892**	**.0004**	**.0007**	**-.0003**	**.0059**
Stddev	.0002	.0006	.004	.0004	.0013	.0004	.0002	.0003	.0001
%RSD	247.3	85.54	.0741	31.88	.7093	104.7	32.51	96.33	1.156
#1	-.0002	.0011	6.013	.0015	.1884	.0005	.0006	-.0002	.0059
#2	.0003	.0000	6.022	.0011	.1908	.0006	.0006	-.0006	.0059
#3	.0002	.0011	6.016	.0008	.1885	-.0001	.0010	-.0001	.0060

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4210.2**	**60109.**	**17685.**
Stddev	12.6	188.	63.
%RSD	.29818	.31247	.35445
#1	4220.1	60261.	17688.
#2	4196.1	59899.	17746.
#3	4214.3	60167.	17621.

Sample Name: XL2053625-02,T Acquired: 12/8/2020 18:31:13 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.4863**	**.0038**	**.0424**	**.0244**	**.0001**	**.1168**	**12.79**	**.0002**	**.0014**
Stddev	.0005	.0126	.0009	.0003	.0001	.0001	.0890	.07	.0000	.0001
%RSD	282.9	2.597	24.19	.6216	.2054	116.8	76.19	.5413	21.45	10.29
#1	.0006	.4953	.0041	.0427	.0243	-.0000	.0180	12.78	.0002	.0016
#2	.0001	.4917	.0045	.0422	.0244	.0001	.1415	12.72	.0001	.0014
#3	-.0003	.4719	.0028	.0424	.0244	.0001	.1907	12.86	.0002	.0013

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0050**	**.2821**	**6.833**	**4.116**	**.3905**	**-.0002**	**22.19**	**.0029**	**.0020**
Stddev	.0006	.0005	.0037	.052	.016	.0028	.0000	.10	.0005	.0007
%RSD	61.83	9.732	1.323	.7659	.3867	.7111	28.72	.4602	16.04	35.34
#1	.0015	.0052	.2797	6.802	4.097	.3882	-.0001	22.21	.0035	.0013
#2	.0005	.0045	.2802	6.804	4.124	.3898	-.0002	22.07	.0028	.0027
#3	.0007	.0054	.2864	6.893	4.125	.3936	-.0002	22.27	.0026	.0021

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0004**	**4.770**	**.0009**	**.0721**	**.0052**	**-.0002**	**.0065**	**.0840**
Stddev	.0011	.0017	.006	.0010	.0004	.0003	.0004	.0003	.0004
%RSD	100.8	414.4	.1309	105.7	.4878	6.289	285.0	4.531	.5286
#1	.0019	.0012	4.774	.0001	.0718	.0056	-.0002	.0063	.0841
#2	.0013	.0016	4.762	.0006	.0721	.0050	-.0006	.0068	.0836
#3	-.0001	-.0016	4.772	.0020	.0725	.0050	.0003	.0063	.0845

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4238.4**	**60321.**	**17868.**
Stddev	6.7	350.	9.
%RSD	.15809	.58052	.04790
#1	4238.5	60038.	17870.
#2	4231.7	60713.	17875.
#3	4245.1	60212.	17858.

Sample Name: L2053625-03,T Acquired: 12/8/2020 18:35:50 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0522**	**.0022**	**.5056**	**1.149**	**-.0000**	**-.0187**	**112.5**	**.0000**	**.0010**
Stddev	.0002	.0027	.0007	.0010	.007	.0001	.1055	.9	.0000	.0002
%RSD	69.82	5.260	31.00	.1913	.6125	2380.	563.5	.7914	257.2	16.18
#1	-.0004	.0512	.0014	.5059	1.156	.0001	.0792	113.1	.0000	.0008
#2	-.0002	.0553	.0025	.5063	1.149	-.0001	-.1304	113.0	-.0000	.0011
#3	-.0001	.0501	.0027	.5045	1.142	-.0000	-.0050	111.5	-.0000	.0010

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0055**	**1.319**	**39.79**	**22.22**	**.1843**	**-.0003**	**259.5**	**.0062**	**-.0008**
Stddev	.0002	.0006	.018	.21	.22	.0026	.0002	1.3	.0003	.0009
%RSD	17.80	10.28	1.378	.5398	1.005	1.409	75.33	.5104	5.547	113.3
#1	.0010	.0056	1.339	39.93	22.47	.1870	-.0004	260.3	.0066	-.0006
#2	.0013	.0060	1.312	39.89	22.12	.1843	-.0000	260.3	.0061	-.0018
#3	.0013	.0049	1.305	39.54	22.06	.1818	-.0005	258.0	.0059	-.0000

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0005**	**6.927**	**.0020**	**.7029**	**.0016**	**-.0000**	**.0008**	**.0110**
Stddev	.0002	.0018	.011	.0003	.0036	.0003	.0017	.0001	.0001
%RSD	32.09	337.8	.1513	13.87	.5167	15.66	13620.	6.657	.9832
#1	-.0006	.0018	6.922	.0023	.7056	.0015	.0008	.0007	.0111
#2	-.0007	-.0015	6.939	.0020	.7044	.0019	.0011	.0007	.0110
#3	-.0004	.0013	6.920	.0017	.6988	.0015	-.0019	.0008	.0109

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**3986.1**	**55279.**	**17437.**
Stddev	11.4	60.	167.
%RSD	.28511	.10875	.95929
#1	3981.2	55337.	17295.
#2	3978.0	55217.	17394.
#3	3999.1	55282.	17622.

Sample Name: L2053625-04,T Acquired: 12/8/2020 18:40:37 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0227**	**.0413**	**.0033**	**.0061**	**.0001**	**-.0144**	**37.70**	**-.0000**	**.0001**
Stddev	.0002	.0034	.0004	.0004	.0001	.0000	.1072	.13	.0000	.0002
%RSD	412.8	15.01	.8962	12.73	1.871	38.05	744.7	.3403	658.4	357.0
#1	.0000	.0253	.0412	.0029	.0061	.0001	-.1376	37.79	-.0001	.0001
#2	-.0003	.0189	.0417	.0032	.0059	.0001	.0371	37.55	.0000	-.0001
#3	.0001	.0239	.0410	.0037	.0061	.0001	.0573	37.76	.0000	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**.0021**	**.1599**	**2.711**	**2.996**	**.0167**	**.0016**	**11.10**	**.0005**	**-.0001**
Stddev	.0004	.0003	.0015	.002	.033	.0002	.0000	.04	.0004	.0006
%RSD	47.86	14.24	.9328	.0667	1.084	.9358	1.900	.4054	92.34	530.5
#1	.0008	.0019	.1592	2.709	3.029	.0169	.0017	11.11	-.0000	.0005
#2	.0013	.0025	.1617	2.712	2.964	.0166	.0016	11.06	.0008	-.0002
#3	.0005	.0021	.1590	2.712	2.995	.0166	.0016	11.15	.0006	-.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0009**	**5.406**	**.0001**	**.1198**	**.0004**	**.0000**	**.0000**	**.0086**
Stddev	.0020	.0015	.065	.0003	.0005	.0002	.0012	.0002	.0002
%RSD	798.5	177.1	1.203	228.7	.4151	39.63	16830.	565.0	2.212
#1	-.0012	-.0017	5.367	.0002	.1199	.0006	.0014	.0003	.0084
#2	-.0005	.0009	5.371	-.0002	.1192	.0004	-.0006	-.0001	.0087
#3	.0025	-.0019	5.481	.0005	.1202	.0003	-.0008	-.0001	.0088

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4222.6**	**59666.**	**17694.**
Stddev	41.5	182.	133.
%RSD	.98396	.30440	.74906
#1	4240.1	59866.	17589.
#2	4252.5	59619.	17843.
#3	4175.2	59512.	17649.

Sample Name: L2053625-05,T Acquired: 12/8/2020 18:45:19 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0422**	**.0449**	**.0100**	**.0212**	**-.0000**	**-.0351**	**10.04**	**-.0000**	**-.0001**
Stddev	.0002	.0074	.0003	.0006	.0002	.0001	.1187	.03	.0000	.0002
%RSD	100.6	17.44	.6152	6.054	.9455	252.9	337.9	.3315	35.02	318.9
#1	-.0003	.0382	.0446	.0093	.0211	.0000	.0904	10.06	-.0000	-.0003
#2	-.0002	.0378	.0451	.0105	.0210	.0000	-.1455	10.06	-.0000	.0002
#3	.0000	.0507	.0450	.0102	.0214	-.0001	-.0503	10.00	-.0001	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0009**	**.0069**	**2.098**	**.4033**	**.0002**	**.0038**	**22.10**	**.0012**	**.0006**
Stddev	.0005	.0003	.0026	.020	.0063	.0002	.0001	.04	.0001	.0006
%RSD	212.9	34.45	37.53	.9283	1.550	62.21	1.316	.1915	10.88	97.90
#1	.0008	.0007	.0094	2.112	.3962	.0002	.0038	22.05	.0013	.0012
#2	-.0002	.0008	.0071	2.107	.4062	.0004	.0039	22.14	.0011	.0006
#3	.0001	.0013	.0042	2.076	.4077	.0001	.0038	22.11	.0011	-.0000

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0006**	**5.441**	**.0000**	**.1674**	**-.0005**	**.0003**	**.0015**	**.0076**
Stddev	.0005	.0018	.011	.0003	.0003	.0002	.0002	.0003	.0001
%RSD	226.5	293.1	.2082	3809.	.1815	41.31	77.24	19.44	1.734
#1	-.0007	-.0013	5.429	-.0003	.1671	-.0003	.0001	.0012	.0074
#2	.0001	.0008	5.442	.0002	.1677	-.0007	.0003	.0018	.0076
#3	-.0000	.0023	5.451	.0001	.1673	-.0004	.0006	.0015	.0076

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4292.4**	**60267.**	**17681.**
Stddev	2.2	66.	31.
%RSD	.05187	.10936	.17615
#1	4294.6	60193.	17709.
#2	4290.1	60320.	17648.
#3	4292.5	60287.	17685.

Sample Name: L2053625-13,T Acquired: 12/8/2020 18:50:00 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0279**	**.0434**	**.7783**	**.3289**	**.0001**	**-.4798**	**168.7**	**.0012**	**-.0004**
Stddev	.0002	.0065	.0002	.0015	.0009	.0000	.1235	1.0	.0000	.0001
%RSD	72.95	23.45	.4155	.1990	.2859	34.79	25.74	.6081	2.791	32.24
#1	-.0001	.0353	.0436	.7771	.3299	.0002	-.5427	169.7	.0012	-.0006
#2	-.0004	.0229	.0434	.7778	.3284	.0002	-.5591	168.8	.0013	-.0003
#3	-.0002	.0255	.0433	.7801	.3282	.0001	-.3375	167.6	.0012	-.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0008**	**54.40**	**26.15**	**22.74**	**1.228**	**-.0012**	**101.8**	**.0020**	**.0010**
Stddev	.0010	.0001	.27	.07	.14	.006	.0002	.3	.0003	.0008
%RSD	3449.	15.14	.4991	.2521	.5978	.5284	14.24	.2874	15.05	76.76
#1	-.0006	-.0007	54.70	26.22	22.69	1.233	-.0014	102.1	.0017	.0013
#2	.0012	-.0009	54.32	26.10	22.90	1.230	-.0011	101.7	.0023	.0017
#3	-.0006	-.0009	54.17	26.12	22.64	1.221	-.0012	101.6	.0020	.0002

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**-.0018**	**12.31**	**.0016**	**.9113**	**.0013**	**.0022**	**.0016**	**.0109**
Stddev	.0009	.0007	.02	.0003	.0029	.0004	.0006	.0004	.0001
%RSD	76.29	37.39	.2017	21.44	.3230	26.62	27.27	25.86	.7738
#1	.0012	-.0011	12.28	.0018	.9143	.0011	.0017	.0016	.0109
#2	.0002	-.0023	12.30	.0012	.9112	.0017	.0020	.0012	.0108
#3	.0020	-.0021	12.33	.0016	.9084	.0012	.0028	.0021	.0110

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4007.0**	**55921.**	**17264.**
Stddev	9.9	210.	76.
%RSD	.24626	.37607	.44220
#1	4002.8	55709.	17258.
#2	4018.3	56130.	17191.
#3	4000.0	55924.	17343.

Sample Name: XL2053625-15,T Acquired: 12/8/2020 18:54:39 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**2.313**	**.0061**	**.1500**	**.6074**	**.0003**	**-.0617**	**81.31**	**.0049**	**.0014**
Stddev	.0002	.025	.0015	.0005	.0031	.0001	.1518	.44	.0001	.0000
%RSD	44.42	1.075	24.43	.3427	.5084	27.35	245.9	.5472	1.680	3.435
#1	-.0002	2.309	.0044	.1504	.6050	.0003	.0678	81.06	.0049	.0013
#2	-.0004	2.339	.0070	.1494	.6109	.0004	-.2287	81.83	.0049	.0014
#3	-.0005	2.290	.0071	.1502	.6064	.0002	-.0242	81.05	.0050	.0014

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0843**	**17.03**	**10.90**	**6.371**	**.1126**	**-.0007**	**103.7**	**.0218**	**.0282**
Stddev	.0004	.0001	.08	.07	.050	.0013	.0001	.6	.0003	.0009
%RSD	10.57	.1664	.4779	.6524	.7849	1.183	13.30	.5621	1.574	3.059
#1	.0037	.0841	16.99	10.86	6.319	.1117	-.0007	103.3	.0219	.0287
#2	.0038	.0843	17.13	10.98	6.418	.1141	-.0007	104.4	.0221	.0287
#3	.0045	.0843	16.98	10.86	6.375	.1119	-.0006	103.5	.0214	.0272

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**-.0003**	**11.83**	**.0005**	**.3313**	**.0556**	**.0008**	**.0101**	**1.448**
Stddev	.0013	.0017	.02	.0004	.0017	.0004	.0008	.0001	.003
%RSD	33.92	572.2	.1625	64.45	.5044	.7183	101.1	1.116	.1917
#1	.0047	-.0007	11.82	.0003	.3299	.0551	.0002	.0102	1.446
#2	.0024	.0016	11.82	.0010	.3331	.0559	.0018	.0100	1.449
#3	.0047	-.0017	11.85	.0003	.3309	.0557	.0005	.0101	1.451

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4160.1**	**57904.**	**17467.**
Stddev	9.6	362.	142.
%RSD	.23015	.62580	.81255
#1	4155.6	58322.	17612.
#2	4171.0	57716.	17329.
#3	4153.5	57674.	17459.

Sample Name: L2053625-20,T Acquired: 12/8/2020 18:59:17 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0305**	**.0346**	**.0474**	**.1637**	**.0001**	**-.1098**	**56.19**	**.0003**	**.0021**
Stddev	.0004	.0017	.0011	.0003	.0010	.0001	.2047	.27	.0000	.0001
%RSD	1337.	5.421	3.108	.7340	.6021	42.74	186.4	.4795	5.598	3.568
#1	-.0003	.0322	.0339	.0478	.1642	.0002	-.3184	56.47	.0004	.0021
#2	.0005	.0290	.0359	.0473	.1643	.0001	.0907	56.17	.0003	.0021
#3	-.0001	.0302	.0341	.0472	.1626	.0001	-.1017	55.94	.0003	.0022

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**.0020**	**14.82**	**7.135**	**11.73**	**.5498**	**-.0005**	**53.08**	**.0055**	**-.0005**
Stddev	.0006	.0003	.06	.031	.05	.0022	.0002	.15	.0003	.0011
%RSD	84.01	13.48	.3943	.4356	.4402	.4052	34.71	.2791	4.784	217.0
#1	.0010	.0023	14.86	7.156	11.77	.5504	-.0006	53.14	.0056	.0004
#2	.0010	.0018	14.83	7.151	11.75	.5516	-.0003	53.19	.0057	-.0016
#3	.0000	.0018	14.75	7.100	11.67	.5473	-.0005	52.91	.0052	-.0002

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**-.0012**	**9.438**	**.0010**	**.2958**	**.0010**	**.0010**	**.0021**	**.0106**
Stddev	.0011	.0012	.020	.0001	.0004	.0004	.0011	.0001	.0003
%RSD	116.8	104.5	.2163	13.68	.1448	40.09	109.1	6.087	2.562
#1	.0015	-.0008	9.453	.0011	.2954	.0008	.0008	.0022	.0109
#2	.0016	-.0002	9.415	.0009	.2963	.0015	.0022	.0021	.0103
#3	-.0003	-.0025	9.447	.0010	.2959	.0008	.0000	.0020	.0105

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4167.9**	**58427.**	**17532.**
Stddev	9.2	298.	143.
%RSD	.22192	.51064	.81287
#1	4166.0	58086.	17393.
#2	4177.9	58555.	17526.
#3	4159.7	58640.	17678.

Sample Name: L2053625-23,T Acquired: 12/8/2020 19:03:57 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0294**	**.0065**	**.0721**	**.0363**	**.0001**	**.1237**	**20.09**	**.0001**	**-.0001**
Stddev	.0004	.0030	.0009	.0003	.0002	.0000	.2564	.08	.0000	.0001
%RSD	330.6	10.33	13.11	.3857	.5430	20.47	207.3	.4213	19.00	68.60
#1	.0006	.0327	.0057	.0723	.0361	.0001	.2008	20.00	.0001	-.0000
#2	.0000	.0266	.0074	.0718	.0364	.0001	.3327	20.17	.0001	-.0001
#3	-.0002	.0291	.0063	.0722	.0364	.0001	-.1624	20.11	.0001	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0183**	**1.770**	**5.813**	**3.277**	**.0295**	**-.0008**	**39.44**	**.0019**	**.0121**
Stddev	.0002	.0005	.007	.025	.012	.0004	.0001	.08	.0004	.0009
%RSD	41.21	2.893	.4028	.4359	.3664	1.281	13.34	.2057	20.79	7.260
#1	.0007	.0179	1.766	5.784	3.290	.0291	-.0008	39.35	.0014	.0130
#2	.0004	.0181	1.779	5.832	3.275	.0298	-.0010	39.51	.0020	.0112
#3	.0003	.0189	1.766	5.823	3.267	.0296	-.0007	39.46	.0021	.0120

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020**	**-.0006**	**7.437**	**.0002**	**.1167**	**.0013**	**.0005**	**.0011**	**.0391**
Stddev	.0015	.0010	.012	.0002	.0000	.0004	.0013	.0002	.0001
%RSD	73.03	164.9	.1652	129.5	.0310	30.18	255.7	17.21	.2725
#1	.0038	-.0000	7.429	.0004	.1167	.0009	-.0010	.0012	.0392
#2	.0013	-.0000	7.430	.0002	.1167	.0016	.0011	.0009	.0391
#3	.0011	-.0017	7.451	-.0001	.1167	.0015	.0014	.0012	.0390

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4230.8**	**59238.**	**17503.**
Stddev	15.3	268.	47.
%RSD	.36254	.45209	.26762
#1	4238.7	59540.	17537.
#2	4240.5	59142.	17450.
#3	4213.1	59031.	17524.

Sample Name: L2053625-28,T Acquired: 12/8/2020 19:08:35 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0014**	**.0792**	**.1402**	**.0789**	**.0001**	**-.0648**	**52.19**	**.0002**	**.0001**
Stddev	.0002	.0027	.0021	.0001	.0007	.0000	.1904	.19	.0000	.0002
%RSD	62.94	187.5	2.612	.0819	.8278	26.01	293.7	.3593	22.35	198.0
#1	-.0003	.0017	.0792	.1402	.0796	.0002	-.0100	52.30	.0002	.0000
#2	-.0004	.0040	.0813	.1400	.0788	.0001	-.2766	52.30	.0001	.0003
#3	-.0001	-.0014	.0771	.1403	.0783	.0001	.0921	51.97	.0002	-.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0010**	**.0007**	**9.924**	**11.83**	**11.55**	**1.304**	**-.0007**	**82.76**	**.0033**	**-.0006**
Stddev	.0002	.0004	.029	.07	.07	.008	.0001	.17	.0003	.0010
%RSD	19.09	56.07	.2912	.5539	.5777	.5841	18.46	.2087	10.02	171.3
#1	.0011	.0008	9.952	11.90	11.62	1.309	-.0006	82.96	.0031	-.0014
#2	.0012	.0003	9.926	11.78	11.56	1.308	-.0008	82.67	.0031	-.0009
#3	.0008	.0011	9.894	11.80	11.48	1.296	-.0006	82.66	.0037	.0005

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0010**	**6.877**	**.0000**	**.3022**	**.0007**	**.0024**	**.0002**	**.0075**
Stddev	.0007	.0011	.028	.0004	.0009	.0001	.0004	.0002	.0000
%RSD	294.0	109.0	.4008	1780.	.3136	20.17	17.16	119.0	.3751
#1	-.0010	-.0019	6.857	-.0004	.3032	.0007	.0028	.0000	.0075
#2	.0003	.0002	6.865	.0004	.3020	.0007	.0025	.0004	.0075
#3	-.0000	-.0012	6.909	.0001	.3014	.0009	.0020	.0001	.0075

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4162.5**	**57932.**	**17376.**
Stddev	20.5	252.	47.
%RSD	.49256	.43481	.27329
#1	4175.8	58211.	17332.
#2	4172.7	57864.	17370.
#3	4138.9	57722.	17426.

Sample Name: CCV Acquired: 12/8/2020 19:13:14 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5082**	**.4842**	**.5184**	**.5146**	**.4861**	**.4881**	**.5947**	**.4805**	**.4999**	**.4955**
Stddev	.0015	.0025	.0018	.0020	.0028	.0017	.0793	.0050	.0021	.0014
%RSD	.2876	.5165	.3464	.3898	.5838	.3523	13.33	1.041	.4120	.2729
#1	.5094	.4866	.5205	.5159	.4893	.4899	.5897	.4847	.5014	.4959
#2	.5085	.4816	.5174	.5157	.4840	.4865	.6764	.4749	.5006	.4967
#3	.5065	.4842	.5174	.5123	.4849	.4879	.5181	.4818	.4975	.4940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4999**	**.4987**	**.4789**	**5.153**	**.5171**	**.4709**	**.4815**	**10.21**	**.5017**	**.5006**
Stddev	.0018	.0003	.0027	.022	.0056	.0029	.0077	.04	.0013	.0012
%RSD	.3629	.0587	.5665	.4238	1.079	.6241	1.589	.4219	.2624	.2312
#1	.5007	.4983	.4758	5.129	.5229	.4720	.4731	10.25	.5017	.5010
#2	.5011	.4989	.4798	5.156	.5165	.4676	.4832	10.20	.5030	.5016
#3	.4978	.4988	.4810	5.172	.5118	.4732	.4882	10.16	.5004	.4993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5121**	**.5178**	**5.331**	**.5151**	**.4901**	**.4991**	**.5045**	**.4911**	**.5161**
Stddev	.0081	.0036	.020	.0019	.0017	.0019	.0016	.0011	.0021
%RSD	1.581	.7021	.3711	.3686	.3476	.3901	.3121	.2295	.4007
#1	.5038	.5170	5.337	.5130	.4919	.4991	.5032	.4914	.5180
#2	.5126	.5218	5.347	.5164	.4899	.5011	.5062	.4921	.5165
#3	.5200	.5147	5.309	.5161	.4885	.4972	.5040	.4899	.5139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4340.2**	**60941.**	**17654.**
Stddev	16.2	135.	152.
%RSD	.37264	.22183	.86290
#1	4342.3	60924.	17478.
#2	4323.1	60815.	17726.
#3	4355.2	61084.	17756.

Sample Name: CCB Acquired: 12/8/2020 19:17:42 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0203**	**-.0008**	**.0002**	**.0000**	**.0002**	**-.0304**	**-.0074**	**.0000**	**-.0003**
Stddev	.0003	.0079	.0019	.0002	.0001	.0001	.0521	.0047	.0000	.0002
%RSD	465.6	39.12	233.5	117.2	475.6	36.73	171.3	63.70	62.64	62.68
#1	.0004	-.0118	.0012	.0003	.0001	.0002	.0075	-.0125	.0000	-.0001
#2	-.0003	-.0275	-.0011	.0002	.0001	.0001	-.0899	-.0062	.0000	-.0005
#3	.0001	-.0216	-.0026	-.0000	-.0001	.0002	-.0090	-.0033	.0000	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0016**	**.0030**	**.0282**	**.0010**	**-.0002**	**.0052**	**.0161**	**.0001**	**-.0002**
Stddev	.0001	.0003	.0019	.0083	.0024	.0004	.0013	.0047	.0001	.0012
%RSD	24.56	18.20	62.65	29.28	246.8	229.3	24.38	29.28	133.9	531.0
#1	-.0002	.0017	.0015	.0245	.0036	-.0004	.0065	.0215	.0000	.0010
#2	-.0002	.0013	.0051	.0377	-.0010	.0003	.0050	.0129	.0000	-.0015
#3	-.0003	.0019	.0024	.0224	.0003	-.0004	.0040	.0138	.0002	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0149**	**.0019**	**.0035**	**.0036**	**-.0001**	**.0004**	**.0011**	**-.0002**	**-.0002**
Stddev	.0025	.0026	.0011	.0005	.0001	.0004	.0009	.0001	.0001
%RSD	16.53	137.8	31.71	12.80	71.78	95.06	87.05	37.46	48.88
#1	.0177	.0025	.0030	.0041	-.0001	.0007	.0019	-.0003	-.0003
#2	.0143	.0041	.0028	.0033	-.0000	.0006	.0011	-.0001	-.0001
#3	.0129	-.0009	.0048	.0033	-.0002	-.0000	.0001	-.0002	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4350.7**	**61724.**	**17328.**
Stddev	13.9	291.	98.
%RSD	.31964	.47185	.56500
#1	4336.4	61588.	17385.
#2	4364.2	62059.	17384.
#3	4351.6	61526.	17215.

Sample Name: L2053625-33,T Acquired: 12/8/2020 19:22:27 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0424**	**.0002**	**.0220**	**.0131**	**.0001**	**.2335**	**11.00**	**-.0001**	**-.0000**
Stddev	.0003	.0068	.0015	.0002	.0002	.0000	.2865	.03	.0000	.0001
%RSD	82.10	15.97	662.5	.9207	1.876	54.21	122.7	.2755	42.78	909.9
#1	-.0004	.0426	.0017	.0222	.0130	.0000	-.0911	11.04	-.0001	-.0001
#2	-.0000	.0356	.0003	.0218	.0134	.0001	.4514	10.98	-.0001	.0001
#3	-.0006	.0491	-.0013	.0221	.0129	.0001	.3402	11.00	-.0000	-.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0034**	**.0648**	**3.141**	**2.459**	**.0121**	**.0007**	**47.51**	**.0008**	**-.0005**
Stddev	.0006	.0003	.0020	.011	.029	.0003	.0002	.12	.0005	.0002
%RSD	130.5	8.272	3.124	.3343	1.163	2.143	29.08	.2460	63.36	45.31
#1	-.0002	.0033	.0646	3.152	2.487	.0122	.0009	47.56	.0003	-.0003
#2	.0011	.0037	.0630	3.141	2.430	.0118	.0005	47.38	.0008	-.0004
#3	.0005	.0032	.0670	3.131	2.460	.0123	.0007	47.59	.0014	-.0008

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021**	**-.0005**	**.6193**	**.0008**	**.0785**	**.0003**	**.0007**	**-.0001**	**.0071**
Stddev	.0007	.0014	.0018	.0006	.0001	.0001	.0013	.0002	.0000
%RSD	32.04	280.7	.2867	66.54	.1837	41.83	186.2	165.8	.4934
#1	.0024	-.0001	.6213	.0003	.0785	.0002	-.0006	.0001	.0072
#2	.0013	.0007	.6187	.0009	.0784	.0004	.0020	-.0001	.0071
#3	.0025	-.0020	.6179	.0014	.0787	.0004	.0008	-.0003	.0072

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4253.1**	**59566.**	**17553.**
Stddev	4.4	50.	61.
%RSD	.10261	.08312	.34714
#1	4257.0	59563.	17491.
#2	4248.4	59518.	17613.
#3	4254.0	59617.	17554.

Sample Name: L2053625-36,T Acquired: 12/8/2020 19:27:07 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.3066**	**-.0004**	**.0069**	**.0064**	**.0001**	**.1741**	**5.543**	**.0001**	**.0002**
Stddev	.0002	.0053	.0003	.0001	.0001	.0000	.0109	.016	.0000	.0000
%RSD	104.7	1.733	77.90	1.011	.8573	52.42	6.245	.2843	4.006	8.861
#1	-.0001	.3021	-.0003	.0068	.0064	.0001	.1660	5.549	.0001	.0002
#2	-.0001	.3125	-.0008	.0070	.0064	.0001	.1698	5.525	.0001	.0002
#3	-.0005	.3052	-.0002	.0069	.0065	.0000	.1865	5.554	.0001	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**.0060**	**.3279**	**1.973**	**.6963**	**.0089**	**-.0000**	**16.16**	**.0020**	**.0016**
Stddev	.0007	.0003	.0020	.008	.0044	.0003	.0002	.05	.0002	.0008
%RSD	55.14	5.685	.6151	.4193	.6364	2.915	409.9	.3280	10.29	52.80
#1	.0005	.0059	.3272	1.964	.6933	.0091	-.0001	16.22	.0020	.0017
#2	.0014	.0064	.3263	1.979	.7014	.0086	.0001	16.13	.0018	.0007
#3	.0017	.0057	.3302	1.976	.6941	.0090	-.0002	16.13	.0022	.0023

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**.0006**	**3.236**	**.0007**	**.0182**	**.0105**	**.0005**	**.0009**	**.0102**
Stddev	.0010	.0006	.006	.0003	.0001	.0001	.0009	.0002	.0001
%RSD	68.87	95.54	.1878	42.13	.4884	1.381	171.0	25.62	.9797
#1	.0003	.0011	3.232	.0004	.0183	.0104	.0003	.0009	.0101
#2	.0022	.0008	3.234	.0009	.0181	.0105	-.0003	.0012	.0103
#3	.0018	-.0000	3.243	.0008	.0182	.0107	.0016	.0007	.0102

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4311.1**	**60593.**	**17731.**
Stddev	13.0	210.	75.
%RSD	.30230	.34679	.42300
#1	4309.8	60773.	17818.
#2	4324.7	60362.	17683.
#3	4298.7	60645.	17693.

Sample Name: L2053625-37,T Acquired: 12/8/2020 19:31:47 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0192**	**.0005**	**.0389**	**.0199**	**.0000**	**-.0523**	**48.04**	**-.0000**	**.0001**
Stddev	.0004	.0065	.0008	.0005	.0005	.0000	.0830	.90	.0000	.0000
%RSD	174.9	33.66	146.8	1.183	2.395	140.7	158.8	1.870	63.76	60.35
#1	-.0006	.0207	.0003	.0384	.0195	.0001	-.0437	47.29	-.0000	.0001
#2	-.0002	.0121	.0014	.0389	.0198	.0000	-.1392	47.80	-.0001	.0000
#3	.0001	.0248	-.0001	.0393	.0204	-.0000	.0261	49.04	-.0000	.0001

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0028**	**.0019**	**.0063**	**4.418**	**8.503**	**.0022**	**-.0004**	**75.08**	**.0010**	**.0008**
Stddev	.0002	.0002	.0009	.103	.206	.0003	.0001	1.51	.0001	.0005
%RSD	8.767	9.454	13.74	2.326	2.423	13.31	36.57	2.014	13.99	61.56
#1	.0030	.0017	.0054	4.324	8.361	.0022	-.0003	73.78	.0011	.0013
#2	.0026	.0020	.0063	4.403	8.410	.0019	-.0004	74.73	.0009	.0003
#3	.0030	.0021	.0071	4.528	8.739	.0025	-.0006	76.74	.0009	.0008

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0003**	**8.277**	**.0001**	**.2305**	**.0005**	**.0002**	**.0003**	**.0072**
Stddev	.0006	.0011	.039	.0001	.0046	.0003	.0005	.0004	.0001
%RSD	221.6	387.7	.4690	146.2	2.001	63.72	232.3	101.5	1.010
#1	.0000	-.0010	8.263	-.0000	.2266	.0003	.0008	.0005	.0072
#2	.0009	.0008	8.247	.0001	.2293	.0004	-.0001	-.0001	.0071
#3	-.0001	.0010	8.320	.0003	.2356	.0009	-.0000	.0006	.0073

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4179.3**	**57840.**	**17212.**
Stddev	18.9	159.	279.
%RSD	.45260	.27552	1.6215
#1	4193.6	57727.	17418.
#2	4186.3	57771.	17324.
#3	4157.8	58022.	16895.

Sample Name: L2053625-41,T Acquired: 12/8/2020 19:36:28 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.1129**	**.0010**	**.0183**	**.1089**	**.0001**	**.1267**	**22.02**	**.0003**	**.0009**
Stddev	.0007	.0079	.0013	.0004	.0002	.0001	.0546	.09	.0000	.0000
%RSD	1121.	7.008	131.2	2.023	.2203	93.24	43.11	.4275	12.00	3.765
#1	.0000	.1047	.0016	.0183	.1088	.0001	.1350	22.03	.0002	.0009
#2	.0006	.1136	.0020	.0179	.1087	.0001	.0684	22.11	.0003	.0010
#3	-.0008	.1205	-.0005	.0186	.1092	.0000	.1766	21.92	.0003	.0009

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0014**	**.1718**	**3.634**	**4.764**	**.0607**	**-.0006**	**361.0**	**.0034**	**.0002**
Stddev	.0005	.0002	.0032	.037	.023	.0003	.0002	2.7	.0002	.0008
%RSD	106.3	14.37	1.853	1.010	.4815	.4551	37.31	.7599	6.085	537.3
#1	.0009	.0016	.1715	3.592	4.789	.0607	-.0004	364.2	.0036	.0000
#2	-.0001	.0015	.1751	3.648	4.746	.0610	-.0005	359.0	.0032	.0010
#3	.0006	.0012	.1688	3.662	4.756	.0604	-.0008	359.9	.0033	-.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**-.0010**	**5.595**	**.0001**	**.2334**	**.0015**	**.0012**	**-.0001**	**.0115**
Stddev	.0009	.0018	.012	.0004	.0001	.0001	.0003	.0004	.0002
%RSD	140.3	180.8	.2119	366.2	.0565	9.856	27.99	553.8	1.737
#1	.0002	-.0014	5.583	-.0003	.2333	.0015	.0011	-.0004	.0115
#2	-.0015	.0010	5.595	.0002	.2334	.0016	.0009	.0004	.0113
#3	-.0005	-.0026	5.607	.0004	.2336	.0013	.0016	-.0002	.0117

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4071.1**	**55283.**	**17174.**
Stddev	6.0	100.	44.
%RSD	.14622	.18116	.25456
#1	4078.0	55339.	17172.
#2	4067.7	55168.	17219.
#3	4067.7	55344.	17132.

Sample Name: L2053625-42,T Acquired: 12/8/2020 19:41:17 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0046**	**.0007**	**.0391**	**.0201**	**.0000**	**.1155**	**48.07**	**-.0001**	**-.0001**
Stddev	.0004	.0050	.0003	.0001	.0001	.0001	.1079	.14	.0000	.0002
%RSD	1034.	110.4	34.33	.2367	.6947	421.7	93.42	.2944	35.01	162.9
#1	.0002	-.0077	.0005	.0392	.0203	.0001	.0274	48.07	-.0001	.0001
#2	.0001	.0012	.0010	.0390	.0200	-.0000	.2358	47.93	-.0001	-.0001
#3	-.0005	-.0072	.0008	.0391	.0202	-.0001	.0832	48.21	-.0000	-.0003

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0027**	**.0009**	**.0030**	**4.472**	**8.504**	**.0026**	**-.0005**	**74.52**	**.0012**	**.0006**
Stddev	.0002	.0005	.0015	.015	.061	.0001	.0001	.28	.0003	.0009
%RSD	8.557	49.63	50.00	.3291	.7162	4.103	17.51	.3774	23.18	164.1
#1	.0029	.0005	.0047	4.465	8.531	.0024	-.0005	74.59	.0014	.0015
#2	.0028	.0014	.0022	4.461	8.435	.0026	-.0004	74.21	.0009	.0004
#3	.0025	.0009	.0020	4.488	8.547	.0027	-.0005	74.76	.0013	-.0003

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**-.0004**	**8.192**	**-.0000**	**.2306**	**.0003**	**.0007**	**.0001**	**.0072**
Stddev	.0001	.0013	.013	.0007	.0004	.0002	.0015	.0001	.0001
%RSD	19.14	313.0	.1542	1677.	.1742	58.35	211.1	102.7	1.013
#1	-.0009	.0005	8.179	-.0001	.2307	.0005	-.0007	.0003	.0073
#2	-.0007	.0001	8.204	-.0007	.2302	.0004	.0005	.0001	.0072
#3	-.0006	-.0020	8.193	.0007	.2310	.0001	.0023	.0000	.0071

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4205.3**	**58148.**	**17184.**
Stddev	5.6	148.	177.
%RSD	.13422	.25418	1.0317
#1	4211.6	58317.	17133.
#2	4200.8	58045.	17382.
#3	4203.6	58082.	17039.

Sample Name: CCV Acquired: 12/8/2020 19:48:44 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5084**	**.4942**	**.5191**	**.5125**	**.4921**	**.4928**	**.4249**	**.4750**	**.5011**	**.4955**
Stddev	.0025	.0061	.0000	.0008	.0005	.0015	.0615	.0010	.0006	.0001
%RSD	.4894	1.227	.0078	.1532	.0971	.2983	14.47	.2209	.1297	.0237
#1	.5060	.4935	.5192	.5134	.4924	.4938	.4935	.4757	.5008	.4955
#2	.5083	.4886	.5191	.5119	.4924	.4911	.4062	.4738	.5019	.4954
#3	.5110	.5006	.5191	.5123	.4915	.4934	.3749	.4755	.5007	.4956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5004**	**.4993**	**.4742**	**5.210**	**.5239**	**.4711**	**.4793**	**10.33**	**.5015**	**.4992**
Stddev	.0016	.0020	.0018	.018	.0073	.0010	.0079	.01	.0004	.0016
%RSD	.3194	.4055	.3751	.3449	1.389	.2031	1.650	.1452	.0831	.3295
#1	.4991	.4969	.4749	5.194	.5194	.4719	.4709	10.35	.5010	.5001
#2	.4998	.5003	.4722	5.205	.5323	.4713	.4805	10.33	.5017	.5002
#3	.5022	.5006	.4755	5.229	.5199	.4700	.4865	10.32	.5018	.4973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5117**	**.5129**	**5.307**	**.5144**	**.4933**	**.4975**	**.5062**	**.4911**	**.5171**
Stddev	.0071	.0012	.008	.0027	.0003	.0021	.0004	.0022	.0004
%RSD	1.392	.2308	.1579	.5326	.0624	.4241	.0854	.4581	.0717
#1	.5038	.5132	5.307	.5113	.4935	.4963	.5062	.4896	.5174
#2	.5134	.5140	5.316	.5160	.4930	.4962	.5067	.4900	.5172
#3	.5178	.5116	5.299	.5160	.4934	.4999	.5058	.4937	.5167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4366.8**	**61165.**	**17553.**
Stddev	7.2	126.	85.
%RSD	.16519	.20564	.48356
#1	4370.8	61311.	17482.
#2	4371.2	61097.	17530.
#3	4358.5	61089.	17647.

Sample Name: CCB Acquired: 12/8/2020 19:53:13 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0135**	**-.0004**	**.0002**	**.0000**	**.0000**	**.0093**	**-.0031**	**.0000**	**-.0002**
Stddev	.0001	.0067	.0002	.0001	.0001	.0001	.1106	.0029	.0000	.0002
%RSD	149.7	49.58	52.88	46.82	1069.	1150.	1196.	92.19	1251.	85.51
#1	-.0000	-.0080	-.0003	.0001	.0001	-.0000	.0345	-.0001	.0000	-.0001
#2	-.0002	-.0209	-.0003	.0002	.0001	.0001	.1050	-.0059	-.0000	-.0005
#3	-.0000	-.0116	-.0007	.0002	-.0001	-.0001	-.1118	-.0034	-.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0022**	**.0001**	**-.0038**	**.0025**	**-.0001**	**.0058**	**.0255**	**.0001**	**-.0005**
Stddev	.0002	.0004	.0001	.0080	.0037	.0002	.0014	.0025	.0002	.0010
%RSD	682.7	19.60	121.1	212.8	149.8	203.7	23.69	9.897	184.2	198.9
#1	.0001	.0017	-.0000	.0016	.0032	-.0002	.0073	.0247	.0001	.0005
#2	.0000	.0024	.0001	-.0130	-.0015	.0001	.0055	.0235	-.0001	-.0004
#3	-.0003	.0024	.0001	.0000	.0058	-.0001	.0046	.0283	.0003	-.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0153**	**.0013**	**.0035**	**.0039**	**-.0001**	**.0007**	**.0006**	**-.0003**	**-.0001**
Stddev	.0021	.0024	.0010	.0007	.0001	.0001	.0004	.0003	.0001
%RSD	13.47	193.8	27.51	17.87	213.4	20.04	68.32	99.60	59.68
#1	.0177	.0038	.0027	.0048	-.0002	.0009	.0004	-.0006	-.0001
#2	.0145	.0011	.0045	.0036	-.0001	.0007	.0011	.0000	-.0001
#3	.0138	-.0011	.0032	.0035	.0001	.0006	.0003	-.0004	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4385.4**	**61749.**	**17318.**
Stddev	4.1	273.	126.
%RSD	.09381	.44220	.72544
#1	4383.6	61952.	17407.
#2	4390.1	61439.	17174.
#3	4382.5	61857.	17372.

Sample Name: Std 0 Acquired: 12/8/2020 20:41:33 Type: Cal
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: IR Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**.0008**	**-.0002**	**-.0001**	**-.0007**	**.0013**	**.0006**	**.0004**	**-.0000**	**.0010**
Stddev	.0002	.0002	.0001	.0000	.0003	.0002	.0001	.0001	.0001	.0002
%RSD	209.8	22.44	83.38	52.68	38.16	15.62	8.633	29.06	270.6	18.56
#1	.0001	.0009	-.0000	-.0000	-.0008	.0015	.0007	.0005	-.0002	.0009
#2	-.0002	.0006	-.0002	-.0001	-.0009	.0013	.0006	.0003	.0000	.0010
#3	-.0002	.0009	-.0003	-.0001	-.0004	.0011	.0006	.0004	.0000	.0012

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**.0136**	**.0001**	**.0009**	**.0001**	**.0003**	**.0000**	**.0007**	**.0011**	**-.0006**
Stddev	.0001	.0000	.0000	.0004	.0000	.0000	.0002	.0006	.0001	.0002
%RSD	31.62	.0635	15.40	37.86	48.60	16.24	464.8	77.00	7.637	41.65
#1	-.0003	.0136	.0001	.0013	.0001	.0002	-.0002	.0005	.0012	-.0004
#2	-.0001	.0136	.0001	.0007	.0001	.0002	.0001	.0004	.0010	-.0008
#3	-.0002	.0136	.0001	.0007	.0000	.0003	.0002	.0014	.0010	-.0005

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**-.0000**	**.0009**	**.0003**	**-.0008**	**-.0004**	**-.0000**	**.0000**	**.0020**
Stddev	.0000	.0001	.0001	.0001	.0004	.0000	.0001	.0000	.0001
%RSD	32.80	182.1	8.257	34.89	55.64	12.49	547.1	232.1	5.424
#1	-.0001	.0000	.0008	.0003	-.0011	-.0004	-.0001	.0001	.0021
#2	-.0001	-.0001	.0009	.0002	-.0003	-.0004	.0000	.0000	.0021
#3	-.0002	-.0001	.0009	.0004	-.0010	-.0003	.0000	-.0000	.0019

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4457.1**	**62350.**	**17486.**
Stddev	4.7	278.	184.
%RSD	.10590	.44636	1.0501
#1	4461.9	62437.	17698.
#2	4456.7	62573.	17367.
#3	4452.5	62038.	17394.

Sample Name: ICAL Acquired: 12/8/2020 20:46:15 Type: Cal
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: IR Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.3837**	**.0386**	**.1090**	**.5498**	**2.431**	**1.791**	**-.0006**	**.0401**	**5.261**	**1.217**
Stddev	.0011	.0001	.0003	.0008	.005	.007	.0001	.0002	.002	.001
%RSD	.2968	.2082	.2506	.1445	.2161	.4010	20.13	.5585	.0433	.0907
#1	.3839	.0385	.1090	.5494	2.425	1.783	-.0005	.0399	5.261	1.219
#2	.3824	.0387	.1087	.5507	2.434	1.792	-.0007	.0401	5.258	1.216
#3	.3847	.0387	.1092	.5493	2.434	1.797	-.0006	.0403	5.263	1.217

Elem	Cr2677	Cu3247	Fe2599	Mg2790	Mn2576R	Mo2020	Ni2316	Pb2203	Sb2068	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1197**	**.4388**	**.0438**	**.0781**	**.2986**	**.8504**	**.8508**	**.3190**	**.1231**	**.1233**
Stddev	.0005	.0017	.0003	.0010	.0017	.0059	.0006	.0005	.0015	.0002
%RSD	.3806	.3794	.6056	1.255	.5606	.6987	.0672	.1469	1.226	.1545
#1	.1200	.4377	.0436	.0793	.2972	.8441	.8512	.3184	.1215	.1231
#2	.1192	.4379	.0437	.0777	.2980	.8513	.8510	.3193	.1234	.1234
#3	.1198	.4407	.0441	.0775	.3004	.8558	.8501	.3192	.1244	.1234

Elem	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1138**	**.2055**	**2.784**	**.3139**	**.1385**	**.2486**	**1.557**
Stddev	.0004	.0006	.009	.0009	.0004	.0009	.002
%RSD	.3646	.3162	.3328	.2944	.2570	.3746	.1531
#1	.1142	.2048	2.773	.3143	.1383	.2490	1.555
#2	.1134	.2056	2.789	.3128	.1389	.2476	1.556
#3	.1137	.2060	2.790	.3145	.1384	.2494	1.559

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4404.7**	**61512.**	**17275.**
Stddev	11.3	129.	127.
%RSD	.25634	.20893	.73341
#1	4414.9	61641.	17155.
#2	4392.6	61512.	17261.
#3	4406.5	61384.	17408.

Sample Name: Std Al Fe K Na Si Acquired: 12/8/2020 20:50:39 Type: Cal
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: IR Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Fe2599	K_7664	Na5895	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.075**	**.5837**	**1.883**	**1.869**
Stddev	.006	.0010	.005	.001
%RSD	.5226	.1634	.2635	.0586
#1	1.078	.5836	1.888	1.868
#2	1.069	.5828	1.878	1.870
#3	1.079	.5847	1.883	1.868

Int. Std.	Y_2243	Y_3710
Units	Cts/S	Cts/S
Avg	**4365.6**	**17236.**
Stddev	3.8	35.
%RSD	.08799	.20129
#1	4362.3	17271.
#2	4364.6	17202.
#3	4369.8	17235.

Sample Name: Std Ca Mg Si Acquired: 12/8/2020 20:55:20 Type: Cal
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: IR Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ca3158	Mg2790	Si2124
Units	Cts/S	Cts/S	Cts/S
Avg	**.4012**	**.7846**	**.9301**
Stddev	.0008	.0043	.0020
%RSD	.2096	.5435	.2124
#1	.4021	.7895	.9288
#2	.4005	.7824	.9292
#3	.4011	.7818	.9324

Int. Std.	Y_2243	Y_3710
Units	Cts/S	Cts/S
Avg	**4378.4**	**17186.**
Stddev	3.7	75.
%RSD	.08390	.43632
#1	4377.3	17102.
#2	4382.6	17246.
#3	4375.5	17210.

Sample Name: ICV Acquired: 12/8/2020 21:00:04 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5070**	**.4774**	**.5113**	**.5134**	**.4950**	**.5035**	**.6314**	**.4867**	**.4922**	**.4876**
Stddev	.0018	.0079	.0016	.0016	.0018	.0016	.1872	.0041	.0004	.0009
%RSD	.3546	1.657	.3143	.3204	.3731	.3166	29.65	.8336	.0739	.1856
#1	.5084	.4767	.5096	.5125	.4957	.5045	.5972	.4860	.4920	.4866
#2	.5050	.4856	.5128	.5123	.4929	.5016	.8334	.4911	.4920	.4879
#3	.5077	.4699	.5115	.5153	.4965	.5042	.4636	.4830	.4926	.4883
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4933**	**.4931**	**.4934**	**5.163**	**.5083**	**.4839**	W **.4641**	**10.28**	**.4925**	**.4914**
Stddev	.0006	.0008	.0002	.021	.0013	.0005	.0075	.04	.0015	.0012
%RSD	.1276	.1560	.0399	.4087	.2596	.1133	1.606	.4371	.3033	.2533
#1	.4927	.4930	.4936	5.160	.5079	.4842	.4563	10.29	.4924	.4900
#2	.4940	.4925	.4932	5.186	.5098	.4832	.4651	10.23	.4911	.4923
#3	.4933	.4940	.4935	5.144	.5072	.4841	.4711	10.32	.4941	.4919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.5274			
Low Limit							.4726			

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5001**	**.5175**	**5.233**	**.5054**	**.4942**	**.4920**	**.4991**	**.4852**	**.5109**
Stddev	.0076	.0041	.018	.0034	.0014	.0013	.0026	.0006	.0005
%RSD	1.518	.7997	.3390	.6776	.2926	.2661	.5153	.1143	.1039
#1	.4925	.5150	5.222	.5027	.4940	.4910	.4980	.4856	.5111
#2	.5002	.5152	5.224	.5042	.4929	.4915	.4972	.4846	.5103
#3	.5077	.5222	5.254	.5092	.4958	.4935	.5020	.4854	.5113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4410.3**	**61388.**	**17362.**
Stddev	19.8	110.	5.
%RSD	.44921	.17952	.02912
#1	4427.8	61315.	17357.
#2	4414.3	61514.	17367.
#3	4388.8	61334.	17362.

Sample Name: ICB Acquired: 12/8/2020 21:04:31 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0000**	**-.0001**	**.0013**	**.0001**	**.0001**	**.0891**	**-.0069**	**-.0000**	**-.0004**
Stddev	.0002	.0103	.0013	.0001	.0002	.0001	.2021	.0036	.0000	.0002
%RSD	62.18	169800.	1242.	10.79	128.8	64.56	226.9	51.73	787.2	42.66
#1	.0002	.0000	.0013	.0011	.0003	.0001	-.0769	-.0048	-.0000	-.0003
#2	.0006	.0103	-.0013	.0014	.0001	.0000	.0300	-.0049	-.0000	-.0002
#3	.0002	-.0104	-.0003	.0013	-.0000	.0001	.3141	-.0110	.0000	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0013**	**.0020**	**-.0239**	**-.0031**	**-.0002**	**.0065**	**-.0067**	**-.0001**	**-.0002**
Stddev	.0005	.0005	.0036	.0073	.0004	.0001	.0015	.0054	.0001	.0006
%RSD	333.2	36.04	178.3	30.43	12.12	73.92	22.25	80.63	143.2	245.3
#1	-.0004	-.0011	.0047	-.0288	-.0030	-.0000	.0080	-.0101	-.0002	-.0006
#2	.0007	-.0018	.0034	-.0155	-.0035	-.0002	.0066	-.0096	-.0001	.0004
#3	.0002	-.0010	-.0021	-.0273	-.0028	-.0003	.0051	-.0005	.0000	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0147**	**.0011**	**.0064**	**.0039**	**.0001**	**.0011**	**-.0026**	**-.0002**	**-.0007**
Stddev	.0010	.0006	.0007	.0005	.0001	.0003	.0001	.0001	.0001
%RSD	6.704	58.01	11.38	12.78	118.3	29.43	4.122	34.54	7.253
#1	.0152	.0015	.0069	.0041	.0001	.0011	-.0026	-.0003	-.0007
#2	.0153	.0013	.0055	.0042	.0002	.0014	-.0027	-.0002	-.0008
#3	.0135	.0004	.0067	.0033	-.0000	.0008	-.0025	-.0002	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4410.2**	**62285.**	**17146.**
Stddev	.4	182.	102.
%RSD	.00991	.29297	.59768
#1	4409.7	62182.	17228.
#2	4410.4	62496.	17031.
#3	4410.5	62178.	17180.

Sample Name: 0.01 Acquired: 12/8/2020 21:12:44 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0101**	**.0092**	**.0114**	**.0106**	**.0105**	**.0104**	F **-.0266**	**.0151**	**.0100**	**.0099**
Stddev	.0002	.0051	.0016	.0006	.0002	.0001	.1088	.0028	.0001	.0000
%RSD	2.321	55.69	14.24	5.999	2.123	1.334	408.5	18.80	1.216	.2765
#1	.0099	.0036	.0128	.0106	.0104	.0105	-.0468	.0145	.0101	.0099
#2	.0101	.0104	.0117	.0112	.0108	.0106	.0909	.0126	.0100	.0099
#3	.0104	.0136	.0096	.0099	.0104	.0103	-.1240	.0182	.0099	.0099
Check ?	None	None	None	Chk Pass	Chk Pass	None	Chk Fail	None	None	Chk Pass
Value							.0131			
Range							.0070			

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0104**	**.0083**	**.0123**	**.5241**	**.0097**	**.0105**	**.0105**	**.4306**	**.0103**	**.0096**
Stddev	.0004	.0008	.0007	.0075	.0014	.0003	.0001	.0054	.0002	.0005
%RSD	4.224	9.602	5.286	1.439	14.22	3.224	1.264	1.257	1.798	5.373
#1	.0101	.0075	.0121	.5311	.0104	.0101	.0106	.4251	.0103	.0096
#2	.0103	.0091	.0118	.5250	.0106	.0106	.0105	.4360	.0105	.0102
#3	.0109	.0084	.0131	.5161	.0081	.0108	.0104	.4306	.0101	.0091
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value										
Range										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0099**	**.0092**	**.1056**	**.0095**	**.0105**	**.0101**	**.0091**	**.0100**	**.0102**
Stddev	.0010	.0015	.0000	.0003	.0001	.0001	.0006	.0002	.0002
%RSD	10.25	16.38	.0105	3.213	1.154	.7892	6.346	1.633	2.035
#1	.0110	.0101	.1056	.0093	.0106	.0100	.0096	.0099	.0104
#2	.0098	.0100	.1056	.0098	.0105	.0101	.0085	.0099	.0101
#3	.0090	.0075	.1055	.0093	.0104	.0102	.0093	.0102	.0100
Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4455.2**	**62898.**	**17366.**
Stddev	17.7	366.	138.
%RSD	.39742	.58146	.79352
#1	4474.7	62739.	17522.
#2	4440.2	63317.	17318.
#3	4450.7	62639.	17259.

Sample Name: WG1442060-1,T Acquired: 12/8/2020 21:21:06 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0011**	**-.0001**	**.0009**	**.0002**	**-.0000**	**.0470**	**.0082**	**-.0000**	**.0000**
Stddev	.0002	.0029	.0010	.0002	.0002	.0000	.0975	.0027	.0000	.0001
%RSD	3079.	258.6	1050.	23.51	106.8	110.9	207.6	33.41	123.5	323.4
#1	.0001	.0032	.0006	.0011	.0003	-.0000	.1027	.0060	-.0000	-.0001
#2	-.0002	.0023	.0004	.0007	.0002	-.0000	-.0656	.0112	.0000	.0000
#3	.0001	-.0022	-.0013	.0008	-.0000	-.0001	.1037	.0072	-.0000	.0002

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0032**	**-.0022**	**.0188**	**.0436**	**.0005**	**.0018**	**.0006**	**.1056**	**.0020**	**.0000**
Stddev	.0004	.0003	.0009	.0246	.0023	.0002	.0001	.0040	.0003	.0006
%RSD	11.59	15.01	4.758	56.35	422.4	9.350	14.92	3.768	17.38	126700.
#1	.0036	-.0023	.0177	.0209	.0002	.0019	.0005	.1092	.0020	-.0002
#2	.0029	-.0019	.0192	.0697	.0030	.0019	.0006	.1062	.0023	-.0004
#3	.0032	-.0025	.0194	.0402	-.0016	.0016	.0006	.1013	.0017	.0006

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0023**	**.0001**	**.0106**	**.0020**	**.0001**	**-.0000**	**-.0005**	**-.0003**	**.0017**
Stddev	.0010	.0008	.0011	.0004	.0001	.0002	.0005	.0001	.0001
%RSD	41.18	1523.	10.15	20.61	46.07	448.8	91.74	26.18	4.610
#1	.0034	.0010	.0100	.0025	.0001	.0002	-.0011	-.0003	.0018
#2	.0018	-.0003	.0100	.0020	.0001	-.0002	-.0002	-.0002	.0016
#3	.0017	-.0005	.0119	.0016	.0002	-.0001	-.0003	-.0003	.0017

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4391.8**	**62646.**	**17210.**
Stddev	16.4	242.	248.
%RSD	.37426	.38568	1.4414
#1	4396.9	62407.	17452.
#2	4405.1	62639.	16956.
#3	4373.4	62890.	17222.

Sample Name: WG1442060-2,T,2 Acquired: 12/8/2020 21:25:50 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1369**	**22.99**	**.6413**	**.3480**	**.9107**	**.6731**	**1.874**	**18.29**	**.5312**	**.4837**
Stddev	.0002	.09	.0026	.0006	.0041	.0013	.286	.04	.0017	.0016
%RSD	.1771	.3992	.4107	.1685	.4537	.1885	15.29	.2359	.3106	.3218
#1	.1370	23.05	.6384	.3473	.9125	.6744	1.610	18.34	.5304	.4828
#2	.1371	23.03	.6419	.3483	.9135	.6727	2.179	18.28	.5301	.4828
#3	.1367	22.88	.6435	.3484	.9059	.6720	1.835	18.26	.5331	.4855

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6198**	**.2128**	**61.99**	**6.949**	**7.759**	**1.010**	**.4030**	**5.449**	**.2181**	**.5108**
Stddev	.0007	.0010	.18	.029	.024	.003	.0015	.011	.0002	.0027
%RSD	.1109	.4853	.2903	.4252	.3083	.3384	.3827	.2017	.0998	.5338
#1	.6206	.2136	62.19	6.964	7.766	1.014	.4017	5.450	.2181	.5097
#2	.6198	.2132	61.95	6.967	7.779	1.010	.4026	5.460	.2178	.5087
#3	.6192	.2116	61.84	6.915	7.733	1.007	.4047	5.438	.2183	.5139

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.9811**	**.6678**	**5.453**	**.3119**	**.3255**	**1.302**	**.4268**	**.2587**	**.6170**
Stddev	.0013	.0020	.086	.0008	.0013	.000	.0027	.0004	.0015
%RSD	.1365	.3036	1.575	.2685	.4074	.0296	.6438	.1373	.2505
#1	.9817	.6661	5.379	.3112	.3256	1.302	.4257	.2585	.6163
#2	.9796	.6673	5.432	.3117	.3267	1.302	.4248	.2591	.6159
#3	.9821	.6700	5.547	.3128	.3241	1.302	.4299	.2584	.6188

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4445.6**	**62442.**	**17930.**
Stddev	2.4	89.	35.
%RSD	.05376	.14231	.19247
#1	4447.5	62391.	17891.
#2	4442.9	62390.	17943.
#3	4446.3	62545.	17956.

Sample Name: L2053308-01,T,2 Acquired: 12/8/2020 21:30:15 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**28.43**	**.0329**	**.0083**	**.2868**	**.0016**	**.1850**	**5.205**	**.0030**	**.0343**
Stddev	.0001	.06	.0005	.0003	.0011	.0001	.1684	.022	.0000	.0003
%RSD	47.67	.2165	1.654	3.868	.3949	5.101	91.02	.4182	1.093	.8878
#1	-.0002	28.37	.0325	.0086	.2856	.0016	.3462	5.180	.0030	.0340
#2	-.0004	28.43	.0328	.0080	.2879	.0017	.1988	5.215	.0030	.0342
#3	-.0002	28.50	.0335	.0082	.2869	.0015	.0102	5.220	.0030	.0346

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0625**	**.2057**	**101.5**	**1.966**	**9.978**	**2.879**	**.0059**	**.4162**	**.0728**	**.0537**
Stddev	.0002	.0007	.3	.019	.099	.008	.0003	.0044	.0011	.0005
%RSD	.3162	.3572	.2880	.9750	.9932	.2794	5.594	1.054	1.494	.9080
#1	.0623	.2052	101.3	1.969	9.874	2.872	.0061	.4203	.0721	.0542
#2	.0624	.2054	101.9	1.984	9.991	2.887	.0061	.4168	.0722	.0534
#3	.0627	.2066	101.4	1.946	10.07	2.877	.0056	.4115	.0740	.0534

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0108**	**.0037**	**3.634**	**.0165**	**.0319**	**.9539**	**.0001**	**.1153**	**.5757**
Stddev	.0012	.0010	.219	.0008	.0002	.0080	.0004	.0004	.0059
%RSD	11.39	26.04	6.034	5.151	.6279	.8357	571.8	.3756	1.022
#1	.0094	.0030	3.878	.0156	.0319	.9537	.0005	.1149	.5708
#2	.0112	.0033	3.567	.0165	.0317	.9460	-.0004	.1153	.5740
#3	.0117	.0048	3.455	.0173	.0321	.9619	.0001	.1157	.5822

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4563.0**	**63942.**	**18019.**
Stddev	6.7	115.	16.
%RSD	.14729	.17928	.08890
#1	4558.2	63812.	18033.
#2	4560.1	63984.	18022.
#3	4570.7	64030.	18002.

Sample Name: WG1442060-3,T,2 Acquired: 12/8/2020 21:34:49 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2993**	**26.39**	**.1559**	**.9577**	**2.193**	**.0500**	**.6950**	**16.03**	**.0547**	**.5157**
Stddev	.0010	.13	.0022	.0024	.011	.0003	.1311	.10	.0001	.0007
%RSD	.3272	.4746	1.408	.2489	.5116	.5111	18.86	.5946	.2151	.1344
#1	.2985	26.52	.1578	.9583	2.206	.0503	.7522	16.12	.0546	.5151
#2	.3004	26.27	.1565	.9551	2.186	.0497	.5451	15.93	.0547	.5157
#3	.2989	26.40	.1535	.9597	2.188	.0501	.7878	16.04	.0548	.5164

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2471**	**.9614**	**109.6**	**11.08**	**17.19**	**2.825**	**.9636**	**10.17**	**.5343**	**.6892**
Stddev	.0003	.0010	.5	.06	.24	.010	.0035	.05	.0008	.0010
%RSD	.1357	.1006	.4406	.5568	1.387	.3474	.3632	.4869	.1446	.1396
#1	.2469	.9610	110.0	11.15	17.38	2.831	.9604	10.23	.5339	.6885
#2	.2474	.9607	109.1	11.03	16.92	2.813	.9629	10.14	.5339	.6887
#3	.2468	.9625	109.6	11.08	17.26	2.830	.9673	10.15	.5352	.6903

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5416**	**.1200**	**4.388**	**1.270**	**.9716**	**1.964**	**.1124**	**.5732**	**1.147**
Stddev	.0016	.0016	.060	.002	.0039	.001	.0009	.0009	.002
%RSD	.2891	1.335	1.362	.1851	.4031	.0468	.7984	.1566	.1821
#1	.5413	.1187	4.434	1.267	.9761	1.964	.1122	.5741	1.145
#2	.5402	.1194	4.411	1.270	.9697	1.965	.1134	.5723	1.148
#3	.5433	.1218	4.321	1.272	.9691	1.963	.1116	.5732	1.149

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4428.2**	**61465.**	**17727.**
Stddev	7.5	276.	169.
%RSD	.17040	.44904	.95475
#1	4423.7	61703.	17609.
#2	4436.9	61163.	17921.
#3	4424.0	61531.	17652.

Sample Name: WG1442060-4,T,2 Acquired: 12/8/2020 21:39:15 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**24.33**	**.0330**	**.0073**	**.2949**	**.0009**	**.3800**	**8.155**	**.0028**	**.0391**
Stddev	.0005	.10	.0011	.0005	.0009	.0000	.1736	.022	.0000	.0004
%RSD	143.1	.4110	3.345	7.356	.3145	2.072	45.68	.2658	.8901	.9615
#1	-.0003	24.24	.0330	.0078	.2939	.0009	.3965	8.174	.0028	.0387
#2	.0001	24.31	.0319	.0068	.2950	.0009	.1987	8.131	.0028	.0393
#3	-.0010	24.44	.0341	.0075	.2957	.0009	.5446	8.160	.0028	.0394

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0543**	**.2499**	**84.24**	**1.622**	**9.875**	**2.309**	**.0074**	**.3786**	**.0659**	**.0827**
Stddev	.0013	.0024	.32	.009	.039	.010	.0005	.0034	.0006	.0011
%RSD	2.332	.9786	.3777	.5508	.3958	.4147	6.384	.8869	.8552	1.279
#1	.0549	.2501	83.98	1.612	9.836	2.306	.0079	.3817	.0653	.0815
#2	.0528	.2473	84.15	1.628	9.914	2.302	.0074	.3791	.0665	.0836
#3	.0551	.2522	84.59	1.626	9.874	2.320	.0070	.3750	.0659	.0830

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0082**	**.0029**	**3.353**	**.0180**	**.0441**	**1.153**	**.0003**	**.1022**	**.6912**
Stddev	.0011	.0011	.085	.0009	.0001	.015	.0016	.0016	.0015
%RSD	13.43	38.90	2.519	5.151	.3050	1.326	501.9	1.597	.2149
#1	.0081	.0032	3.426	.0189	.0439	1.158	-.0005	.1021	.6905
#2	.0094	.0039	3.374	.0170	.0442	1.136	-.0007	.1006	.6903
#3	.0072	.0017	3.260	.0181	.0442	1.165	.0022	.1038	.6929

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4532.0**	**63959.**	**17987.**
Stddev	21.4	710.	54.
%RSD	.47284	1.1099	.29944
#1	4552.5	63753.	17994.
#2	4533.9	64749.	17930.
#3	4509.7	63375.	18037.

Sample Name: WG1442060-5,T,2 Acquired: 12/8/2020 21:43:49 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0487**	**29.70**	**.1552**	**.9547**	**2.239**	**.0510**	**.4453**	**14.38**	**.0538**	**.5074**
Stddev	.0008	.08	.0003	.0026	.012	.0002	.1840	.02	.0000	.0005
%RSD	1.554	.2701	.2141	.2710	.5453	.3158	41.32	.1614	.0503	.0959
#1	.0495	29.80	.1549	.9565	2.253	.0511	.6559	14.40	.0538	.5078
#2	.0479	29.65	.1555	.9517	2.235	.0510	.3160	14.39	.0538	.5069
#3	.0488	29.67	.1553	.9559	2.230	.0508	.3639	14.35	.0538	.5075

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2540**	**.4450**	**99.79**	**11.73**	**18.88**	**3.258**	**.9601**	**10.19**	**.5296**	**.5463**
Stddev	.0012	.0038	.21	.05	.07	.004	.0016	.04	.0002	.0017
%RSD	.4920	.8627	.2148	.4412	.3810	.1129	.1674	.3955	.0463	.3045
#1	.2536	.4486	99.78	11.78	18.83	3.262	.9595	10.23	.5296	.5472
#2	.2554	.4409	99.58	11.73	18.86	3.256	.9589	10.18	.5294	.5444
#3	.2531	.4455	100.0	11.68	18.96	3.255	.9620	10.16	.5299	.5473

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5118**	**.1218**	**3.634**	**.9992**	**.9715**	**1.912**	**.1146**	**.5882**	**1.054**
Stddev	.0019	.0003	.093	.0018	.0048	.006	.0009	.0012	.002
%RSD	.3694	.2872	2.548	.1828	.4966	.3259	.8032	.2053	.1559
#1	.5102	.1222	3.741	.9981	.9766	1.919	.1137	.5890	1.052
#2	.5113	.1215	3.582	.9981	.9708	1.911	.1155	.5868	1.054
#3	.5139	.1217	3.579	1.001	.9671	1.907	.1146	.5888	1.055

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4490.1**	**62766.**	**18002.**
Stddev	9.9	499.	62.
%RSD	.22130	.79532	.34453
#1	4483.6	62189.	17932.
#2	4501.5	63042.	18051.
#3	4485.1	63066.	18022.

Sample Name: L2051957-01,T,2 Acquired: 12/8/2020 21:48:16 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**117.7**	**.0379**	**.0302**	**1.193**	**.0028**	**-.7271**	**274.3**	**.0050**	**.0942**
Stddev	.0002	.6	.0002	.0004	.009	.0001	.1199	.6	.0000	.0003
%RSD	43.39	.5379	.4203	1.204	.7191	3.826	16.50	.2306	.1963	.3371
#1	-.0003	117.1	.0378	.0298	1.184	.0027	-.5887	273.9	.0050	.0938
#2	-.0003	117.6	.0377	.0303	1.195	.0028	-.7919	275.0	.0049	.0944
#3	-.0007	118.3	.0380	.0305	1.201	.0029	-.8007	273.9	.0050	.0944

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2072**	**.1981**	**185.4**	**29.60**	**42.31**	**2.956**	**.0089**	**2.662**	**.1947**	**11.80**
Stddev	.0008	.0012	.4	.11	.22	.012	.0004	.007	.0006	.02
%RSD	.4003	.6249	.2301	.3876	.5095	.4147	4.357	.2701	.3234	.1679
#1	.2078	.1974	184.9	29.47	42.38	2.941	.0093	2.656	.1940	11.77
#2	.2062	.1995	185.6	29.62	42.07	2.962	.0090	2.659	.1951	11.80
#3	.2075	.1974	185.7	29.70	42.48	2.963	.0085	2.670	.1950	11.81

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0072**	**.0033**	**20.85**	**.0146**	**.4708**	**5.314**	**-.0030**	**.2867**	**.7967**
Stddev	.0018	.0018	.01	.0006	.0023	.009	.0010	.0005	.0015
%RSD	25.19	52.77	.0458	4.260	.4851	.1623	32.76	.1571	.1921
#1	.0084	.0046	20.85	.0143	.4686	5.307	-.0030	.2869	.7958
#2	.0051	.0013	20.85	.0153	.4706	5.311	-.0040	.2862	.7959
#3	.0082	.0041	20.84	.0142	.4731	5.323	-.0020	.2870	.7985

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4600.3**	**63756.**	**19209.**
Stddev	15.5	192.	50.
%RSD	.33794	.30076	.26235
#1	4589.5	63536.	19154.
#2	4593.2	63889.	19220.
#3	4618.1	63842.	19253.

Sample Name: L2051957-02,T,2 Acquired: 12/8/2020 21:52:50 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**90.55**	**.0425**	**.0135**	**.3898**	**.0047**	**.0635**	**17.20**	**.0047**	**.1223**
Stddev	.0001	.35	.0008	.0002	.0008	.0000	.0910	.05	.0000	.0008
%RSD	5.270	.3905	1.942	1.620	.2010	.2572	143.4	.2857	.1870	.6712
#1	-.0010	90.18	.0416	.0135	.3889	.0047	.1503	17.19	.0047	.1216
#2	-.0010	90.60	.0428	.0136	.3903	.0048	-.0312	17.17	.0047	.1221
#3	-.0011	90.88	.0432	.0132	.3902	.0047	.0713	17.26	.0047	.1232

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2026**	**.3961**	**138.2**	**4.982**	**20.82**	**1.856**	**.0160**	**.7153**	**.1926**	**6.140**
Stddev	.0017	.0024	.3	.043	.10	.005	.0001	.0058	.0012	.018
%RSD	.8477	.6178	.2141	.8660	.4707	.2786	.3315	.8088	.6257	.2959
#1	.2021	.3949	138.0	4.971	20.77	1.854	.0160	.7088	.1912	6.123
#2	.2012	.3946	138.0	5.029	20.93	1.851	.0159	.7171	.1930	6.137
#3	.2045	.3989	138.5	4.945	20.75	1.861	.0160	.7200	.1934	6.159

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0071**	**.0049**	**6.631**	**.0063**	**.0765**	**1.225**	**-.0012**	**.1450**	**1.507**
Stddev	.0023	.0009	.443	.0008	.0003	.011	.0004	.0004	.004
%RSD	32.36	17.88	6.687	13.09	.4227	.8717	30.06	.2883	.2832
#1	.0083	.0051	7.088	.0072	.0761	1.216	-.0010	.1446	1.505
#2	.0084	.0056	6.603	.0059	.0767	1.223	-.0016	.1449	1.505
#3	.0044	.0039	6.203	.0057	.0767	1.237	-.0010	.1455	1.512

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**6203.6**	**87502.**	**25386.**
Stddev	13.5	309.	153.
%RSD	.21774	.35326	.60406
#1	6208.7	87246.	25260.
#2	6188.2	87845.	25342.
#3	6213.7	87414.	25557.

Sample Name: WG1442060-6,T,10 Acquired: 12/8/2020 21:57:22 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**6.213**	**.0065**	**.0025**	**.0624**	**.0002**	**.0439**	**1.133**	**.0007**	**.0071**
Stddev	.0003	.057	.0009	.0001	.0005	.0000	.1822	.004	.0000	.0001
%RSD	140.6	.9199	13.73	5.674	.8235	26.02	415.1	.3457	6.122	1.059
#1	.0000	6.162	.0075	.0025	.0621	.0001	.2530	1.133	.0007	.0071
#2	.0005	6.203	.0063	.0027	.0622	.0002	-.0412	1.129	.0007	.0071
#3	.0001	6.275	.0058	.0024	.0630	.0001	-.0802	1.137	.0006	.0072

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0132**	**.0419**	**22.02**	**.4294**	**2.217**	**.6305**	**.0016**	**.0856**	**.0155**	**.0124**
Stddev	.0004	.0002	.13	.0213	.014	.0040	.0001	.0036	.0002	.0003
%RSD	3.013	.3913	.5875	4.971	.6319	.6360	5.698	4.251	1.575	2.739
#1	.0129	.0420	21.91	.4285	2.202	.6269	.0016	.0818	.0158	.0120
#2	.0131	.0417	21.99	.4512	2.230	.6296	.0016	.0861	.0153	.0124
#3	.0137	.0420	22.16	.4085	2.219	.6348	.0017	.0891	.0154	.0127

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0033**	**.0009**	**.8534**	**.0037**	**.0069**	**.2018**	**-.0008**	**.0242**	**.1221**
Stddev	.0006	.0013	.0079	.0003	.0001	.0011	.0006	.0001	.0002
%RSD	18.90	140.3	.9271	9.349	1.220	.5688	69.23	.2170	.1522
#1	.0031	.0016	.8481	.0034	.0069	.2012	-.0015	.0243	.1219
#2	.0040	-.0006	.8496	.0036	.0069	.2032	-.0005	.0242	.1222
#3	.0029	.0018	.8625	.0040	.0070	.2011	-.0005	.0242	.1222

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4400.8**	**62712.**	**17142.**
Stddev	8.5	240.	121.
%RSD	.19295	.38345	.70579
#1	4399.5	62651.	17276.
#2	4409.8	62977.	17110.
#3	4393.0	62508.	17040.

Sample Name: CCV Acquired: 12/8/2020 22:02:00 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5108**	**.4808**	**.5132**	**.5100**	**.4830**	**.4893**	**.5178**	**.4783**	**.4943**	**.4875**
Stddev	.0019	.0059	.0032	.0012	.0009	.0009	.1544	.0041	.0002	.0006
%RSD	.3714	1.235	.6248	.2437	.1777	.1824	29.81	.8677	.0472	.1285
#1	.5088	.4853	.5097	.5086	.4834	.4896	.3395	.4763	.4941	.4870
#2	.5109	.4830	.5159	.5109	.4820	.4883	.6086	.4755	.4945	.4873
#3	.5126	.4740	.5141	.5105	.4836	.4900	.6051	.4830	.4944	.4882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4940**	**.4940**	**.4870**	**5.162**	**.5010**	**.4767**	**.4648**	**10.19**	**.4926**	**.4929**
Stddev	.0009	.0008	.0034	.063	.0033	.0025	.0070	.02	.0010	.0013
%RSD	.1847	.1651	.6980	1.226	.6668	.5290	1.495	.2153	.1942	.2709
#1	.4931	.4934	.4837	5.141	.5042	.4775	.4572	10.20	.4925	.4924
#2	.4949	.4938	.4868	5.112	.5011	.4739	.4664	10.16	.4936	.4944
#3	.4941	.4949	.4905	5.233	.4975	.4788	.4708	10.20	.4917	.4918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4928**	**.5117**	**5.235**	**.5066**	**.4882**	**.4915**	**.5017**	**.4846**	**.5107**
Stddev	.0081	.0041	.011	.0024	.0016	.0014	.0025	.0020	.0008
%RSD	1.650	.8027	.2082	.4798	.3361	.2788	.4930	.4089	.1516
#1	.4850	.5086	5.223	.5057	.4890	.4899	.5005	.4823	.5115
#2	.4922	.5164	5.245	.5047	.4863	.4925	.5046	.4854	.5100
#3	.5013	.5102	5.238	.5094	.4893	.4919	.5002	.4860	.5104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4382.8**	**60529.**	**17380.**
Stddev	22.8	226.	108.
%RSD	.52013	.37327	.62357
#1	4403.3	60758.	17299.
#2	4358.2	60522.	17503.
#3	4386.8	60307.	17336.

Sample Name: CCB Acquired: 12/8/2020 22:06:27 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0080**	**-.0002**	**.0011**	**.0001**	**.0000**	**-.0103**	**-.0030**	**.0000**	**-.0002**
Stddev	.0001	.0090	.0008	.0001	.0001	.0000	.0695	.0021	.0000	.0002
%RSD	16.41	112.6	400.4	8.718	111.1	112.2	673.9	71.14	26.24	139.7
#1	.0005	-.0184	-.0011	.0012	.0002	-.0000	-.0493	-.0006	.0000	-.0001
#2	.0004	-.0038	.0002	.0010	.0002	.0001	.0699	-.0036	.0000	-.0004
#3	.0004	-.0018	.0003	.0010	-.0000	.0000	-.0516	-.0047	.0000	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0006**	**.0045**	**.0000**	**-.0016**	**-.0004**	**.0061**	**-.0095**	**.0001**	**.0002**
Stddev	.0004	.0003	.0020	.0088	.0014	.0001	.0013	.0057	.0002	.0005
%RSD	170.4	44.09	44.09	25280.	84.62	30.31	20.69	60.22	228.7	252.1
#1	.0002	-.0006	.0023	-.0097	-.0009	-.0003	.0074	-.0154	.0002	-.0000
#2	.0007	-.0009	.0062	.0076	-.0032	-.0005	.0059	-.0040	-.0002	-.0002
#3	-.0001	-.0003	.0050	.0022	-.0008	-.0005	.0049	-.0090	.0002	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0133**	**.0012**	**.0110**	**.0028**	**.0000**	**.0009**	**-.0010**	**-.0003**	**-.0008**
Stddev	.0018	.0009	.0003	.0004	.0001	.0002	.0007	.0003	.0000
%RSD	13.61	72.26	2.443	12.75	424.9	26.53	67.72	85.43	3.077
#1	.0154	.0020	.0113	.0028	-.0001	.0011	-.0013	-.0000	-.0008
#2	.0124	.0002	.0111	.0024	.0001	.0008	-.0014	-.0005	-.0008
#3	.0122	.0015	.0107	.0032	.0001	.0007	-.0002	-.0003	-.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4368.5**	**62177.**	**17067.**
Stddev	16.4	375.	148.
%RSD	.37511	.60342	.86952
#1	4378.2	61981.	16959.
#2	4377.8	62609.	17006.
#3	4349.6	61940.	17237.

Sample Name: L2052003-03,T,2 Acquired: 12/8/2020 22:11:12 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**35.67**	**.0107**	**.0098**	**.4970**	**.0017**	**.7004**	**7.788**	**.0019**	**.0395**
Stddev	.0002	.13	.0020	.0001	.0021	.0001	.2403	.034	.0000	.0005
%RSD	43.80	.3714	18.94	1.413	.4217	3.619	34.31	.4362	2.263	1.200
#1	.0005	35.66	.0125	.0098	.4985	.0017	.5150	7.752	.0019	.0390
#2	.0004	35.55	.0109	.0099	.4946	.0018	.6142	7.790	.0019	.0396
#3	.0002	35.81	.0085	.0096	.4978	.0017	.9719	7.820	.0020	.0399

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1302**	**.1650**	**81.18**	**4.361**	**15.81**	**2.801**	**.0077**	**1.002**	**.0924**	**.0346**
Stddev	.0005	.0008	.27	.034	.05	.005	.0004	.014	.0005	.0012
%RSD	.4127	.5091	.3304	.7881	.3065	.1968	5.361	1.411	.5492	3.514
#1	.1296	.1651	81.10	4.393	15.84	2.799	.0081	1.015	.0919	.0333
#2	.1303	.1658	80.96	4.325	15.83	2.796	.0076	1.005	.0923	.0346
#3	.1307	.1642	81.48	4.365	15.75	2.807	.0073	.9867	.0929	.0358

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0058**	**.0027**	**5.139**	**.0042**	**.0348**	**1.357**	**-.0008**	**.1302**	**.1385**
Stddev	.0004	.0011	.375	.0004	.0002	.003	.0011	.0000	.0009
%RSD	7.726	40.49	7.301	9.977	.4430	.1847	140.7	.0202	.6679
#1	.0063	.0039	5.474	.0044	.0349	1.357	-.0005	.1302	.1378
#2	.0055	.0025	5.209	.0045	.0346	1.359	.0001	.1302	.1382
#3	.0055	.0017	4.734	.0037	.0347	1.354	-.0020	.1302	.1395

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4556.8**	**63593.**	**18165.**
Stddev	8.2	196.	101.
%RSD	.18048	.30771	.55438
#1	4550.1	63568.	18099.
#2	4566.0	63411.	18116.
#3	4554.2	63800.	18281.

Sample Name: L2053096-01,T,2 Acquired: 12/8/2020 22:15:46 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**56.52**	**.0140**	**.0093**	**.2615**	**.0024**	**.4266**	**2.715**	**.0026**	**.0369**
Stddev	.0002	.11	.0017	.0002	.0010	.0000	.0349	.029	.0000	.0002
%RSD	18.25	.1943	12.43	2.445	.3804	.4055	8.178	1.054	.6406	.4836
#1	-.0012	56.61	.0149	.0092	.2626	.0024	.3910	2.748	.0026	.0367
#2	-.0008	56.39	.0150	.0093	.2609	.0024	.4608	2.698	.0026	.0370
#3	-.0011	56.55	.0120	.0096	.2609	.0024	.4280	2.698	.0026	.0370

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0816**	**.0401**	**107.1**	**2.351**	**12.34**	**1.787**	**.0015**	**.4717**	**.0835**	**.0264**
Stddev	.0002	.0001	.3	.019	.10	.007	.0001	.0025	.0004	.0010
%RSD	.2792	.3649	.3070	.8074	.8107	.3804	7.759	.5384	.4574	3.963
#1	.0816	.0401	107.5	2.372	12.45	1.794	.0015	.4702	.0833	.0271
#2	.0814	.0400	106.9	2.342	12.31	1.780	.0015	.4747	.0833	.0269
#3	.0819	.0403	107.0	2.337	12.26	1.788	.0017	.4703	.0839	.0252

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0049**	**.0014**	**6.831**	**.0024**	**.0210**	**1.638**	**-.0032**	**.1514**	**.2785**
Stddev	.0004	.0003	.439	.0002	.0002	.007	.0008	.0005	.0016
%RSD	7.379	24.31	6.427	7.180	1.112	.4151	23.99	.2973	.5842
#1	.0047	.0014	7.291	.0025	.0212	1.640	-.0041	.1511	.2768
#2	.0048	.0010	6.783	.0022	.0207	1.630	-.0026	.1512	.2787
#3	.0054	.0016	6.417	.0025	.0209	1.643	-.0031	.1519	.2801

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4635.2**	**64717.**	**18502.**
Stddev	9.1	70.	140.
%RSD	.19591	.10865	.75413
#1	4628.1	64769.	18342.
#2	4632.1	64745.	18566.
#3	4645.4	64637.	18599.

Sample Name: L2053096-03,T,2 Acquired: 12/8/2020 22:20:19 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0023**	**58.15**	**.7208**	**.0103**	**.1787**	**.0025**	**3.120**	**36.15**	**.0055**	**.0683**
Stddev	.0003	.20	.0034	.0004	.0004	.0000	.193	.11	.0001	.0004
%RSD	14.23	.3362	.4711	4.141	.2131	1.600	6.198	.2904	1.947	.5371
#1	-.0024	58.13	.7178	.0108	.1791	.0026	2.970	36.23	.0054	.0680
#2	-.0020	57.97	.7245	.0104	.1784	.0025	3.051	36.03	.0055	.0682
#3	-.0026	58.36	.7202	.0099	.1786	.0025	3.338	36.18	.0056	.0687

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0726**	**.6394**	**207.7**	**4.001**	**22.69**	**3.622**	**.0065**	**1.434**	**.0835**	**.3640**
Stddev	.0002	.0051	2.3	.039	.22	.013	.0000	.010	.0006	.0017
%RSD	.2667	.7927	1.097	.9762	.9832	.3628	.5429	.7128	.7080	.4551
#1	.0724	.6373	209.4	3.956	22.55	3.636	.0065	1.444	.0829	.3627
#2	.0725	.6357	205.1	4.024	22.57	3.610	.0064	1.423	.0836	.3633
#3	.0728	.6452	208.5	4.023	22.95	3.620	.0065	1.435	.0840	.3659

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0175**	**.0040**	**6.777**	**.3160**	**.0860**	**2.734**	**-.0032**	**.1492**	**.5085**
Stddev	.0005	.0020	.164	.0027	.0001	.023	.0003	.0020	.0028
%RSD	2.571	49.65	2.423	.8419	.1668	.8379	9.833	1.327	.5548
#1	.0176	.0063	6.928	.3155	.0860	2.720	-.0035	.1479	.5063
#2	.0180	.0031	6.801	.3136	.0858	2.721	-.0033	.1482	.5075
#3	.0171	.0027	6.602	.3188	.0861	2.761	-.0028	.1515	.5117

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4796.2**	**66767.**	**19386.**
Stddev	14.7	171.	58.
%RSD	.30580	.25613	.30002
#1	4798.1	66695.	19397.
#2	4809.9	66962.	19438.
#3	4780.7	66644.	19323.

Sample Name: L2053143-04,T Acquired: 12/8/2020 22:24:52 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**207.5**	**.0918**	**.0486**	**1.684**	**.0102**	**-.7607**	**27.27**	**.0111**	**.3945**
Stddev	.0003	.5	.0018	.0009	.005	.0001	.0755	.08	.0000	.0005
%RSD	33.63	.2546	2.011	1.899	.3178	.6620	9.927	.2938	.4170	.1187
#1	.0011	206.9	.0939	.0476	1.679	.0103	-.8360	27.27	.0111	.3939
#2	.0005	207.9	.0909	.0491	1.689	.0102	-.7610	27.35	.0111	.3948
#3	.0009	207.6	.0906	.0493	1.684	.0101	-.6850	27.19	.0111	.3947

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2949**	**.3379**	**365.7**	**9.570**	**39.47**	**13.22**	**.0148**	**2.756**	**.2304**	**.5425**
Stddev	.0025	.0016	5.8	.045	.44	.04	.0004	.001	.0004	.0013
%RSD	.8308	.4826	1.578	.4744	1.113	.3249	2.527	.0297	.1788	.2472
#1	.2971	.3391	372.2	9.601	39.78	13.18	.0143	2.755	.2303	.5433
#2	.2923	.3361	363.6	9.591	38.97	13.27	.0150	2.757	.2300	.5410
#3	.2953	.3387	361.3	9.518	39.65	13.21	.0149	2.756	.2308	.5433

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0301**	**.0209**	**17.36**	**.0232**	**.2107**	**1.599**	**.0092**	**.6018**	**1.176**
Stddev	.0017	.0020	.62	.0002	.0008	.016	.0016	.0026	.002
%RSD	5.658	9.448	3.590	1.036	.3800	.9822	16.99	.4295	.1448
#1	.0290	.0188	16.64	.0232	.2099	1.617	.0076	.6041	1.178
#2	.0293	.0228	17.71	.0229	.2115	1.587	.0107	.5990	1.175
#3	.0321	.0211	17.73	.0234	.2108	1.594	.0093	.6022	1.176

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4479.1**	**62920.**	**18735.**
Stddev	11.4	161.	50.
%RSD	.25396	.25578	.26621
#1	4488.2	62946.	18710.
#2	4466.4	62748.	18792.
#3	4482.9	63066.	18702.

Sample Name: L2053143-05,T Acquired: 12/8/2020 22:29:30 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**205.3**	**.1359**	**.0511**	**1.727**	**.0118**	**-.5291**	**25.63**	**.0114**	**.3605**
Stddev	.0001	.3	.0023	.0009	.006	.0000	.2585	.05	.0001	.0007
%RSD	10.33	.1527	1.714	1.736	.3292	.4133	48.85	.1865	.5262	.1806
#1	.0014	205.1	.1364	.0521	1.733	.0118	-.7830	25.65	.0114	.3598
#2	.0013	205.6	.1379	.0505	1.721	.0117	-.5382	25.66	.0114	.3606
#3	.0016	205.1	.1333	.0506	1.727	.0118	-.2662	25.58	.0115	.3611

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3022**	**.5771**	**323.2**	**9.514**	**38.89**	**6.612**	**.0144**	**2.458**	**.2629**	**.7504**
Stddev	.0006	.0036	4.2	.062	.09	.005	.0002	.012	.0001	.0024
%RSD	.1994	.6250	1.295	.6528	.2318	.0750	1.553	.5044	.0483	.3182
#1	.3023	.5741	326.6	9.567	38.99	6.617	.0146	2.472	.2630	.7479
#2	.3027	.5761	318.6	9.529	38.84	6.612	.0142	2.452	.2628	.7506
#3	.3015	.5811	324.6	9.446	38.84	6.607	.0146	2.450	.2630	.7527

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0406**	**.0193**	**14.62**	**.0295**	**.2282**	**1.566**	**.0067**	**.6135**	**1.682**
Stddev	.0012	.0022	.25	.0001	.0005	.016	.0020	.0016	.002
%RSD	3.016	11.46	1.679	.2646	.2080	.9938	30.29	.2607	.1324
#1	.0419	.0170	14.46	.0296	.2287	1.578	.0090	.6131	1.681
#2	.0404	.0215	14.50	.0294	.2282	1.548	.0057	.6121	1.681
#3	.0395	.0195	14.91	.0295	.2277	1.571	.0053	.6152	1.685

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4499.0**	**63521.**	**19045.**
Stddev	4.9	184.	15.
%RSD	.10891	.28890	.07834
#1	4504.2	63687.	19037.
#2	4498.2	63554.	19062.
#3	4494.5	63324.	19036.

Sample Name: L2053189-01,T Acquired: 12/8/2020 22:34:10 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0021**	**154.2**	**.4478**	**.0266**	**.9088**	**.0075**	**2.212**	**29.80**	**.0081**	**.1582**
Stddev	.0002	.4	.0015	.0004	.0005	.0000	.112	.09	.0000	.0005
%RSD	8.248	.2380	.3345	1.440	.0522	.3979	5.053	.3152	.5876	.3286
#1	-.0023	154.1	.4473	.0262	.9093	.0075	2.088	29.77	.0081	.1579
#2	-.0019	154.6	.4467	.0268	.9088	.0075	2.241	29.90	.0081	.1579
#3	-.0021	153.9	.4495	.0268	.9084	.0075	2.306	29.73	.0082	.1588

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2993**	**.2910**	**269.2**	**42.69**	**55.51**	**6.131**	**.0114**	**6.063**	**.2810**	**.8731**
Stddev	.0017	.0024	1.8	.07	.04	.011	.0003	.023	.0011	.0034
%RSD	.5718	.8276	.6509	.1707	.0806	.1726	2.752	.3812	.3953	.3847
#1	.3008	.2937	268.2	42.70	55.51	6.130	.0112	6.076	.2806	.8718
#2	.2974	.2891	271.2	42.76	55.55	6.142	.0118	6.077	.2801	.8706
#3	.2996	.2902	268.1	42.61	55.46	6.120	.0112	6.036	.2822	.8769

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0097**	**.0059**	**14.16**	**.1764**	**.2074**	**9.317**	**-.0049**	**.3906**	**1.141**
Stddev	.0017	.0030	.31	.0013	.0008	.081	.0003	.0022	.000
%RSD	18.01	50.84	2.213	.7254	.3640	.8694	6.033	.5681	.0263
#1	.0107	.0093	13.81	.1778	.2078	9.397	-.0046	.3924	1.141
#2	.0107	.0045	14.29	.1762	.2077	9.320	-.0052	.3881	1.141
#3	.0077	.0038	14.40	.1753	.2065	9.235	-.0049	.3913	1.142

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4811.2**	**67600.**	**19941.**
Stddev	26.0	189.	18.
%RSD	.53991	.28010	.09249
#1	4821.3	67434.	19926.
#2	4830.5	67806.	19937.
#3	4781.6	67559.	19962.

Sample Name: L2053302-01,T,2 Acquired: 12/8/2020 22:38:56 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0005**	**60.70**	**.0183**	**.0133**	**.7203**	**.0037**	**.9523**	**26.63**	**.0035**	**.0629**
Stddev	.0001	.37	.0022	.0002	.0023	.0001	.0262	.17	.0000	.0002
%RSD	29.25	.6031	11.83	1.822	.3218	2.586	2.748	.6230	.9369	.3852
#1	-.0004	60.44	.0176	.0131	.7193	.0036	.9325	26.53	.0035	.0627
#2	-.0004	60.54	.0207	.0136	.7186	.0036	.9820	26.55	.0034	.0628
#3	-.0006	61.11	.0166	.0133	.7229	.0038	.9424	26.83	.0035	.0632

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2455**	**.1951**	**125.7**	**7.083**	**29.46**	**1.741**	**.0062**	**1.256**	**.1463**	**.3298**
Stddev	.0026	.0015	.8	.030	.18	.012	.0001	.008	.0011	.0018
%RSD	1.059	.7689	.6332	.4193	.6023	.6807	.9519	.6618	.7360	.5571
#1	.2425	.1934	125.2	7.108	29.37	1.735	.0063	1.257	.1451	.3277
#2	.2470	.1958	125.3	7.050	29.34	1.734	.0062	1.247	.1466	.3312
#3	.2469	.1962	126.6	7.090	29.66	1.755	.0062	1.263	.1472	.3305

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0045**	**5.416**	**.0086**	**.0770**	**2.537**	**-.0021**	**.2399**	**.5825**
Stddev	.0011	.0010	.349	.0005	.0005	.008	.0004	.0009	.0021
%RSD	27.22	22.55	6.452	5.832	.6355	.3270	18.27	.3821	.3648
#1	.0032	.0051	5.820	.0080	.0769	2.530	-.0018	.2392	.5801
#2	.0038	.0050	5.217	.0088	.0766	2.546	-.0021	.2397	.5833
#3	.0053	.0033	5.212	.0090	.0776	2.536	-.0026	.2410	.5842

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4740.3**	**66238.**	**19421.**
Stddev	8.7	165.	95.
%RSD	.18418	.24886	.48759
#1	4744.5	66428.	19418.
#2	4746.1	66159.	19517.
#3	4730.2	66128.	19328.

Sample Name: L2053308-03,T,2 Acquired: 12/8/2020 22:43:28 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**21.70**	**.0092**	**.0111**	**.1674**	**.0011**	**.7230**	**6.598**	**.0017**	**.0250**
Stddev	.0003	.10	.0013	.0001	.0003	.0001	.1203	.011	.0000	.0001
%RSD	37.44	.4756	14.61	.7548	.2018	5.650	16.64	.1609	2.572	.3752
#1	-.0010	21.59	.0094	.0111	.1672	.0012	.5841	6.607	.0016	.0248
#2	-.0005	21.72	.0078	.0111	.1673	.0011	.7899	6.586	.0017	.0250
#3	-.0006	21.79	.0104	.0112	.1678	.0011	.7951	6.601	.0017	.0250

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0623**	**.1478**	**66.82**	**2.576**	**7.735**	**.6419**	**.0011**	**.5432**	**.0486**	**.0316**
Stddev	.0011	.0017	.17	.016	.072	.0011	.0001	.0098	.0003	.0003
%RSD	1.831	1.136	.2501	.6162	.9364	.1727	5.848	1.804	.5958	.9426
#1	.0629	.1487	66.76	2.591	7.777	.6407	.0012	.5541	.0489	.0316
#2	.0610	.1458	66.69	2.577	7.651	.6421	.0011	.5400	.0484	.0313
#3	.0630	.1488	67.01	2.559	7.776	.6429	.0011	.5353	.0485	.0319

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0033**	**.0014**	**4.090**	**.0114**	**.0282**	**1.188**	**-.0015**	**.0939**	**.2398**
Stddev	.0010	.0008	.110	.0002	.0001	.003	.0005	.0007	.0015
%RSD	29.67	61.04	2.697	2.177	.3810	.2725	31.08	.7771	.6301
#1	.0025	.0017	4.218	.0117	.0282	1.191	-.0017	.0947	.2385
#2	.0029	.0020	4.021	.0113	.0283	1.185	-.0010	.0933	.2394
#3	.0044	.0004	4.033	.0113	.0281	1.187	-.0019	.0937	.2414

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4512.6**	**63740.**	**17976.**
Stddev	21.7	218.	82.
%RSD	.48079	.34277	.45586
#1	4529.6	63532.	17895.
#2	4520.0	63720.	18059.
#3	4488.1	63968.	17974.

Sample Name: L2053308-05,T,2 Acquired: 12/8/2020 22:48:02 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**65.81**	**.0933**	**.0187**	**.2937**	**.0020**	**-.3983**	**39.04**	**.0085**	**.0958**
Stddev	.0001	.40	.0016	.0007	.0023	.0000	.1538	.13	.0000	.0007
%RSD	24.91	.6036	1.746	3.620	.7736	2.170	38.61	.3322	.3678	.6791
#1	.0004	65.35	.0914	.0191	.2911	.0020	-.3281	38.91	.0085	.0951
#2	.0003	66.00	.0944	.0180	.2950	.0021	-.2921	39.06	.0085	.0960
#3	.0004	66.08	.0940	.0192	.2951	.0020	-.5746	39.16	.0084	.0963

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2129**	**.7787**	**202.9**	**3.911**	**41.59**	**2.410**	**.0330**	**3.347**	**.1364**	**.5117**
Stddev	.0004	.0028	1.1	.008	.16	.015	.0003	.010	.0012	.0020
%RSD	.1962	.3601	.5481	.2050	.3739	.6013	.9735	.3050	.8945	.3895
#1	.2133	.7755	201.7	3.902	41.69	2.394	.0329	3.353	.1352	.5110
#2	.2128	.7808	203.0	3.918	41.41	2.414	.0327	3.336	.1362	.5101
#3	.2125	.7798	203.9	3.911	41.68	2.422	.0334	3.354	.1376	.5139

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0286**	**.0089**	**4.850**	**.0713**	**.2430**	**4.378**	**-.0010**	**.3151**	**.6094**
Stddev	.0015	.0007	.372	.0007	.0013	.000	.0015	.0004	.0038
%RSD	5.384	7.868	7.674	.9751	.5480	.0090	150.9	.1236	.6314
#1	.0293	.0097	5.217	.0718	.2414	4.378	-.0025	.3149	.6060
#2	.0268	.0088	4.859	.0716	.2437	4.377	-.0011	.3155	.6087
#3	.0296	.0083	4.473	.0705	.2438	4.378	.0006	.3148	.6136

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4562.9**	**64098.**	**18614.**
Stddev	5.4	122.	25.
%RSD	.11838	.19008	.13568
#1	4568.8	64199.	18636.
#2	4558.3	63962.	18620.
#3	4561.6	64132.	18586.

Sample Name: L2053308-07,T,2 Acquired: 12/8/2020 22:52:37 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0014**	**31.92**	**.2338**	**.0202**	**.4599**	**.0030**	**-.1737**	**28.02**	**.0069**	**.0554**
Stddev	.0002	.05	.0033	.0004	.0006	.0001	.1481	.06	.0001	.0006
%RSD	13.99	.1473	1.400	1.950	.1372	1.859	85.31	.2148	.9817	1.017
#1	.0015	31.91	.2311	.0197	.4602	.0029	-.1937	28.05	.0069	.0550
#2	.0016	31.88	.2328	.0205	.4592	.0029	-.0165	27.95	.0069	.0553
#3	.0012	31.97	.2374	.0203	.4604	.0030	-.3107	28.06	.0070	.0561

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0992**	**.8915**	**149.0**	**3.278**	**10.31**	**1.709**	**.0141**	**2.459**	**.1057**	**1.122**
Stddev	.0002	.0014	.4	.005	.03	.003	.0003	.008	.0005	.007
%RSD	.1708	.1602	.2963	.1621	.2534	.1734	2.106	.3311	.5173	.6710
#1	.0990	.8921	149.2	3.282	10.30	1.708	.0138	2.450	.1051	1.114
#2	.0992	.8898	148.5	3.280	10.34	1.706	.0141	2.463	.1060	1.124
#3	.0994	.8925	149.2	3.272	10.30	1.712	.0144	2.465	.1060	1.129

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0740**	**.0132**	**4.122**	**.0953**	**.2274**	**2.329**	**-.0006**	**.2010**	**.8466**
Stddev	.0014	.0012	.208	.0008	.0003	.006	.0012	.0002	.0068
%RSD	1.865	8.850	5.050	.8377	.1285	.2717	211.0	.1102	.8060
#1	.0741	.0123	4.327	.0944	.2271	2.323	-.0007	.2011	.8394
#2	.0726	.0145	4.128	.0959	.2274	2.328	.0007	.2010	.8475
#3	.0754	.0128	3.911	.0956	.2277	2.336	-.0017	.2007	.8530

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4411.1**	**62274.**	**18173.**
Stddev	11.0	244.	47.
%RSD	.24959	.39165	.25760
#1	4413.7	62111.	18119.
#2	4398.9	62554.	18204.
#3	4420.5	62156.	18197.

Sample Name: CCV Acquired: 12/8/2020 22:57:10 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5115**	**.4874**	**.5151**	**.5137**	**.4891**	**.4901**	**.4405**	**.4694**	**.4943**	**.4888**
Stddev	.0004	.0112	.0025	.0018	.0013	.0017	.0341	.0051	.0010	.0012
%RSD	.0756	2.291	.4877	.3453	.2731	.3435	7.741	1.096	.2056	.2486
#1	.5119	.4997	.5140	.5136	.4906	.4905	.4413	.4749	.4932	.4875
#2	.5117	.4847	.5180	.5155	.4886	.4882	.4741	.4646	.4952	.4899
#3	.5111	.4779	.5134	.5119	.4881	.4915	.4060	.4688	.4945	.4890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4945**	**.4941**	**.4958**	**5.153**	**.5138**	**.4709**	**.4677**	**10.29**	**.4942**	**.4932**
Stddev	.0009	.0020	.0003	.044	.0038	.0020	.0070	.02	.0008	.0013
%RSD	.1778	.4009	.0545	.8617	.7443	.4210	1.489	.1847	.1699	.2689
#1	.4945	.4957	.4955	5.159	.5113	.4709	.4603	10.30	.4932	.4918
#2	.4955	.4919	.4958	5.106	.5120	.4689	.4688	10.27	.4946	.4936
#3	.4937	.4947	.4960	5.194	.5182	.4729	.4741	10.30	.4947	.4943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4962**	**.5170**	**5.277**	**.5069**	**.4911**	**.4946**	**.5013**	**.4861**	**.5113**
Stddev	.0057	.0017	.005	.0016	.0011	.0009	.0018	.0004	.0007
%RSD	1.152	.3238	.1052	.3160	.2230	.1757	.3601	.0752	.1412
#1	.4902	.5187	5.276	.5051	.4923	.4941	.5019	.4858	.5104
#2	.4969	.5154	5.283	.5073	.4902	.4956	.5028	.4862	.5118
#3	.5016	.5168	5.272	.5083	.4907	.4940	.4993	.4865	.5116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4358.1**	**60884.**	**17228.**
Stddev	1.7	187.	75.
%RSD	.03810	.30676	.43553
#1	4356.9	60696.	17207.
#2	4360.0	60886.	17311.
#3	4357.5	61069.	17166.

Sample Name: CCB Acquired: 12/8/2020 23:01:37 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0029**	**-.0003**	**.0014**	**-.0000**	**-.0000**	**-.0555**	**-.0084**	**.0000**	**-.0003**
Stddev	.0002	.0070	.0004	.0002	.0002	.0000	.0369	.0031	.0000	.0001
%RSD	41.23	244.8	105.4	15.12	919.5	267.1	66.45	37.21	105.3	28.36
#1	.0002	-.0039	-.0002	.0015	-.0002	-.0000	-.0964	-.0055	.0000	-.0003
#2	.0005	.0023	-.0007	.0015	.0002	-.0000	-.0249	-.0080	.0001	-.0004
#3	.0006	.0101	-.0001	.0011	-.0001	.0000	-.0451	-.0117	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0011**	**.0061**	**-.0062**	**-.0016**	**-.0002**	**.0057**	**-.0205**	**.0000**	**.0007**
Stddev	.0002	.0005	.0008	.0190	.0041	.0003	.0012	.0013	.0001	.0006
%RSD	52.76	48.05	13.19	306.6	250.4	159.8	20.82	6.161	302.5	87.83
#1	.0006	-.0016	.0066	.0139	-.0005	.0002	.0070	-.0205	.0001	.0014
#2	.0002	-.0010	.0052	-.0087	.0018	-.0004	.0056	-.0217	.0002	.0001
#3	.0004	-.0006	.0065	-.0238	-.0062	-.0003	.0046	-.0192	-.0001	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0121**	**.0013**	**.0131**	**.0027**	**.0001**	**.0011**	**-.0015**	**-.0004**	**-.0010**
Stddev	.0014	.0002	.0012	.0004	.0000	.0001	.0004	.0003	.0000
%RSD	11.67	13.45	8.980	16.67	53.76	8.283	27.51	78.48	2.118
#1	.0137	.0015	.0139	.0032	.0000	.0011	-.0013	-.0004	-.0010
#2	.0113	.0012	.0117	.0025	.0001	.0010	-.0020	-.0007	-.0010
#3	.0112	.0012	.0135	.0023	.0001	.0012	-.0013	-.0001	-.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4361.5**	**62020.**	**17058.**
Stddev	4.7	311.	91.
%RSD	.10724	.50103	.53445
#1	4366.9	62377.	17010.
#2	4359.5	61807.	17163.
#3	4358.2	61876.	17001.

Sample Name: WG1442379-1,T Acquired: 12/8/2020 23:06:23 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0113**	**-.0003**	**.0007**	**.0002**	**-.0000**	**.0952**	**.0041**	**.0000**	**-.0000**
Stddev	.0002	.0049	.0006	.0007	.0001	.0001	.1150	.0038	.0000	.0001
%RSD	60.89	43.27	197.0	99.42	29.45	376.8	120.8	92.78	41.89	500.4
#1	.0005	-.0164	.0003	.0016	.0002	.0001	-.0327	.0007	.0000	-.0002
#2	.0001	-.0108	-.0003	.0004	.0001	-.0000	.1280	.0082	.0000	.0001
#3	.0003	-.0067	-.0009	.0002	.0002	-.0001	.1902	.0034	.0000	.0000

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0032**	**.0000**	**.0192**	**-.0012**	**-.0002**	**.0003**	**.0016**	**.0107**	**.0016**	**-.0010**
Stddev	.0004	.0001	.0019	.0165	.0007	.0001	.0002	.0015	.0002	.0010
%RSD	13.62	1214.	9.967	1363.	276.6	26.55	11.60	13.90	10.36	106.3
#1	.0029	.0001	.0211	-.0097	-.0005	.0003	.0018	.0090	.0016	.0001
#2	.0031	-.0000	.0172	-.0118	-.0007	.0003	.0015	.0113	.0017	-.0011
#3	.0037	-.0001	.0194	.0179	.0005	.0004	.0014	.0118	.0014	-.0019

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0055**	**.0002**	**.0137**	**.0015**	**.0002**	**.0003**	**-.0008**	**-.0001**	**.0011**
Stddev	.0012	.0010	.0004	.0002	.0001	.0002	.0004	.0002	.0000
%RSD	22.63	511.0	3.276	12.70	37.96	66.35	50.78	210.4	3.105
#1	.0058	.0002	.0134	.0016	.0001	.0003	-.0013	-.0003	.0010
#2	.0066	-.0008	.0142	.0016	.0002	.0001	-.0008	.0000	.0011
#3	.0041	.0012	.0134	.0013	.0003	.0004	-.0004	.0000	.0011

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4336.5**	**61358.**	**17168.**
Stddev	14.5	155.	43.
%RSD	.33477	.25274	.25129
#1	4336.6	61322.	17178.
#2	4351.0	61527.	17121.
#3	4322.0	61223.	17205.

Sample Name: WG1442379-2,T Acquired: 12/8/2020 23:11:08 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4679**	**41.64**	**1.157**	**1.417**	**3.621**	**1.599**	**4.409**	**35.77**	**1.645**	**1.454**
Stddev	.0016	.10	.003	.003	.005	.001	.189	.09	.003	.001
%RSD	.3377	.2345	.2410	.2112	.1374	.0641	4.278	.2483	.1976	.0699
#1	.4671	41.74	1.155	1.415	3.626	1.600	4.530	35.86	1.642	1.452
#2	.4698	41.62	1.156	1.414	3.616	1.598	4.505	35.68	1.648	1.454
#3	.4669	41.55	1.160	1.420	3.622	1.599	4.192	35.76	1.645	1.454

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.061**	**1.527**	**107.2**	**13.36**	**14.49**	**2.575**	**1.470**	**10.87**	**1.238**	**1.775**
Stddev	.005	.002	.2	.00	.03	.004	.005	.03	.001	.001
%RSD	.4691	.1521	.2318	.0259	.2199	.1552	.3572	.2533	.0951	.0715
#1	1.057	1.528	107.4	13.35	14.48	2.580	1.464	10.90	1.237	1.774
#2	1.066	1.525	106.9	13.36	14.47	2.574	1.471	10.85	1.239	1.775
#3	1.060	1.529	107.2	13.36	14.53	2.572	1.474	10.85	1.239	1.777

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.8877**	**.6323**	**9.135**	**1.141**	**.7282**	**2.257**	**1.835**	**1.333**	**1.672**
Stddev	.0017	.0009	.049	.002	.0005	.006	.005	.003	.004
%RSD	.1954	.1387	.5379	.1929	.0727	.2722	.2967	.2355	.2140
#1	.8862	.6330	9.183	1.139	.7285	2.250	1.829	1.330	1.670
#2	.8873	.6313	9.085	1.143	.7284	2.260	1.835	1.336	1.676
#3	.8896	.6326	9.138	1.142	.7276	2.261	1.840	1.333	1.670

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4479.8**	**63195.**	**18292.**
Stddev	16.2	104.	129.
%RSD	.36094	.16497	.70722
#1	4498.3	63126.	18220.
#2	4472.5	63315.	18442.
#3	4468.5	63145.	18215.

Sample Name: L2053412-01,T Acquired: 12/8/2020 23:15:32 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0016**	**102.3**	**.0706**	**.0187**	**1.078**	**.0128**	**-.2947**	**109.5**	**.0074**	**.1549**
Stddev	.0003	.0	.0006	.0004	.002	.0001	.1070	.1	.0000	.0002
%RSD	17.92	.0457	.8885	2.275	.2063	.4319	36.32	.0543	.2865	.1261
#1	-.0016	102.4	.0709	.0183	1.078	.0128	-.4181	109.5	.0074	.1551
#2	-.0014	102.4	.0699	.0188	1.076	.0128	-.2283	109.5	.0074	.1548
#3	-.0020	102.3	.0710	.0192	1.080	.0129	-.2376	109.6	.0074	.1547

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1616**	**.2124**	**259.6**	**8.863**	**32.98**	**13.12**	**.0153**	**4.109**	**.1556**	**.2705**
Stddev	.0008	.0002	2.8	.035	.04	.04	.0006	.009	.0003	.0004
%RSD	.5042	.1159	1.090	.3945	.1192	.2837	4.222	.2173	.2009	.1644
#1	.1610	.2127	262.8	8.885	33.02	13.09	.0161	4.112	.1559	.2708
#2	.1625	.2122	257.6	8.823	32.94	13.10	.0151	4.099	.1554	.2707
#3	.1611	.2125	258.4	8.882	32.99	13.16	.0148	4.116	.1554	.2700

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0124**	**.0082**	**12.55**	**.0136**	**.2014**	**1.612**	**.0063**	**.3096**	**.3353**
Stddev	.0018	.0009	.10	.0002	.0003	.007	.0012	.0003	.0015
%RSD	14.18	11.58	.8191	1.510	.1645	.4102	18.63	.1045	.4430
#1	.0141	.0071	12.52	.0138	.2017	1.610	.0075	.3094	.3369
#2	.0127	.0089	12.47	.0134	.2010	1.607	.0063	.3095	.3353
#3	.0106	.0085	12.67	.0136	.2015	1.620	.0051	.3100	.3339

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**7088.6**	**100660.**	**29900.**
Stddev	19.6	54.	132.
%RSD	.27614	.05346	.44306
#1	7076.3	100670.	29785.
#2	7111.1	100720.	30045.
#3	7078.3	100610.	29870.

Sample Name: WG1442379-3,T Acquired: 12/8/2020 23:20:10 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3840**	**110.8**	**.2159**	**1.157**	**3.399**	**.0694**	**.1979**	**136.7**	**.0672**	**.7027**
Stddev	.0016	.2	.0017	.003	.072	.0006	.1778	.3	.0002	.0004
%RSD	.4285	.1886	.7808	.2257	2.120	.8131	89.84	.2555	.2512	.0537
#1	.3830	111.0	.2151	1.154	3.357	.0700	.4020	137.0	.0672	.7023
#2	.3859	110.6	.2148	1.158	3.482	.0695	.1152	136.8	.0674	.7030
#3	.3830	110.6	.2178	1.159	3.358	.0689	.0766	136.3	.0671	.7029

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3950**	**.6691**	**235.3**	**20.42**	**47.52**	**10.00**	**1.176**	**16.25**	**.7203**	**.8437**
Stddev	.0020	.0036	2.0	.06	.20	.03	.003	.04	.0008	.0008
%RSD	.5057	.5308	.8635	.2703	.4200	.2498	.2105	.2281	.1104	.0921
#1	.3928	.6665	235.1	20.46	47.45	10.02	1.173	16.27	.7195	.8431
#2	.3956	.6732	237.4	20.45	47.74	10.01	1.175	16.28	.7211	.8434
#3	.3967	.6676	233.3	20.36	47.36	9.974	1.178	16.21	.7203	.8446

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6443**	**.1514**	**12.18**	**1.202**	**1.427**	**3.245**	**.1358**	**.8564**	**.9226**
Stddev	.0017	.0019	.06	.002	.002	.007	.0005	.0028	.0012
%RSD	.2671	1.241	.4946	.1265	.1331	.2236	.3356	.3288	.1299
#1	.6429	.1530	12.12	1.201	1.427	3.242	.1353	.8541	.9226
#2	.6437	.1520	12.24	1.204	1.429	3.253	.1360	.8596	.9238
#3	.6462	.1493	12.19	1.201	1.425	3.240	.1361	.8556	.9214

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**6557.3**	**92369.**	**27890.**
Stddev	2.6	142.	119.
%RSD	.03939	.15353	.42782
#1	6560.3	92214.	27770.
#2	6555.6	92402.	27893.
#3	6556.1	92492.	28008.

Sample Name: WG1442379-4,T Acquired: 12/8/2020 23:24:53 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0020**	**99.39**	**.0714**	**.0201**	**.9944**	**.0121**	**-.4427**	**134.6**	**.0073**	**.1290**
Stddev	.0001	.26	.0018	.0002	.0014	.0001	.1335	.5	.0001	.0002
%RSD	6.964	.2595	2.481	1.236	.1456	.7391	30.16	.3972	.8313	.1499
#1	-.0020	99.52	.0732	.0203	.9944	.0121	-.4946	135.2	.0073	.1290
#2	-.0021	99.09	.0697	.0201	.9929	.0122	-.5425	134.3	.0072	.1289
#3	-.0019	99.56	.0714	.0198	.9958	.0121	-.2910	134.2	.0073	.1292

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2324**	**.2540**	**264.5**	**8.478**	**40.87**	**10.75**	**.0143**	**4.092**	**.1586**	**.2887**
Stddev	.0020	.0005	.6	.016	.09	.01	.0005	.008	.0004	.0002
%RSD	.8563	.2074	.2089	.1932	.2303	.1349	3.141	.2027	.2763	.0531
#1	.2311	.2546	265.2	8.461	40.84	10.76	.0148	4.090	.1591	.2889
#2	.2314	.2538	264.1	8.478	40.80	10.73	.0141	4.085	.1585	.2886
#3	.2347	.2536	264.3	8.494	40.98	10.75	.0140	4.101	.1582	.2886

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0113**	**.0053**	**14.39**	**.0113**	**.2420**	**1.677**	**.0043**	**.3106**	**.3196**
Stddev	.0004	.0006	.08	.0006	.0008	.006	.0004	.0004	.0005
%RSD	3.221	10.52	.5556	4.994	.3472	.3723	10.08	.1286	.1422
#1	.0116	.0048	14.45	.0111	.2415	1.679	.0045	.3103	.3199
#2	.0113	.0052	14.30	.0108	.2415	1.683	.0038	.3111	.3190
#3	.0109	.0059	14.42	.0119	.2429	1.671	.0046	.3105	.3198

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**7170.7**	**101890.**	**30341.**
Stddev	2.7	228.	120.
%RSD	.03773	.22354	.39555
#1	7168.0	101630.	30207.
#2	7170.6	102050.	30437.
#3	7173.4	101990.	30380.

Sample Name: WG1442379-5,T Acquired: 12/8/2020 23:29:32 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0594**	**100.3**	**.2183**	**1.165**	**3.400**	**.0696**	**-.0330**	**115.3**	**.0647**	**.6920**
Stddev	.0004	.5	.0006	.009	.069	.0006	.2329	.6	.0004	.0040
%RSD	.6663	.4949	.2672	.7294	2.032	.8628	706.6	.4958	.5834	.5762
#1	.0596	99.84	.2190	1.174	3.427	.0702	-.1855	114.6	.0651	.6966
#2	.0598	100.8	.2180	1.163	3.451	.0696	.2352	115.7	.0645	.6905
#3	.0590	100.2	.2179	1.158	3.322	.0690	-.1486	115.5	.0645	.6890

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.3771**	**.5061**	**250.8**	**20.47**	**42.48**	**13.07**	**1.137**	**16.07**	**.6685**	**.8146**
Stddev	.0015	.0041	2.9	.11	.04	.06	.006	.11	.0039	.0057
%RSD	.3856	.8003	1.142	.5209	.0961	.4474	.5615	.7005	.5887	.7000
#1	.3755	.5017	254.0	20.55	42.47	13.00	1.144	16.17	.6729	.8212
#2	.3772	.5096	249.8	20.50	42.52	13.11	1.134	16.10	.6675	.8118
#3	.3784	.5071	248.5	20.35	42.44	13.09	1.132	15.95	.6652	.8109

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.6353**	**.1519**	**10.96**	**1.134**	**1.327**	**2.677**	**.1323**	**.8573**	**.8770**
Stddev	.0056	.0021	.13	.007	.011	.015	.0011	.0048	.0041
%RSD	.8851	1.397	1.170	.5976	.8336	.5503	.8600	.5556	.4717
#1	.6416	.1531	11.05	1.142	1.338	2.661	.1330	.8522	.8818
#2	.6335	.1531	10.81	1.128	1.326	2.690	.1310	.8617	.8743
#3	.6309	.1494	11.02	1.132	1.316	2.681	.1330	.8580	.8749

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**6856.9**	**97153.**	**28823.**
Stddev	6.7	532.	86.
%RSD	.09824	.54726	.29812
#1	6854.7	97656.	28825.
#2	6851.5	96596.	28735.
#3	6864.4	97205.	28907.

Sample Name: WG1442379-6,T,5 Acquired: 12/8/2020 23:34:16 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**29.55**	**.0217**	**.0080**	**.3129**	**.0038**	**-.1347**	**33.26**	**.0022**	**.0492**
Stddev	.0001	.09	.0026	.0004	.0014	.0000	.0700	.04	.0001	.0010
%RSD	13.77	.3178	12.22	5.292	.4483	1.162	51.95	.1243	2.255	2.072
#1	-.0004	29.49	.0193	.0082	.3118	.0038	-.1205	33.23	.0022	.0482
#2	-.0005	29.51	.0245	.0075	.3124	.0038	-.0729	33.31	.0022	.0491
#3	-.0004	29.66	.0212	.0084	.3144	.0039	-.2107	33.26	.0023	.0502

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0516**	**.0632**	**85.25**	**2.549**	**10.56**	**3.963**	**.0099**	**1.204**	**.0501**	**.0886**
Stddev	.0004	.0012	.30	.013	.09	.011	.0012	.006	.0010	.0022
%RSD	.7847	1.851	.3574	.5147	.8496	.2728	12.17	.4765	2.005	2.481
#1	.0512	.0620	84.95	2.561	10.48	3.952	.0111	1.211	.0494	.0876
#2	.0517	.0633	85.24	2.550	10.55	3.964	.0098	1.200	.0496	.0870
#3	.0520	.0643	85.56	2.535	10.65	3.973	.0087	1.202	.0513	.0911

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0049**	**.0029**	**3.573**	**.0055**	**.0603**	**.4863**	**.0021**	**.0964**	**.1088**
Stddev	.0016	.0004	.029	.0003	.0003	.0047	.0010	.0016	.0022
%RSD	31.53	14.49	.8157	5.092	.4486	.9756	48.01	1.663	2.066
#1	.0052	.0032	3.540	.0056	.0605	.4831	.0010	.0949	.1065
#2	.0063	.0030	3.588	.0052	.0600	.4840	.0025	.0963	.1089
#3	.0032	.0024	3.592	.0057	.0603	.4917	.0029	.0981	.1110

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4855.6**	**67753.**	**19276.**
Stddev	14.8	221.	7.
%RSD	.30470	.32547	.03451
#1	4863.3	68007.	19283.
#2	4838.5	67644.	19269.
#3	4864.9	67608.	19276.

Sample Name: L2053412-02,T Acquired: 12/8/2020 23:38:50 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0039**	**51.29**	**.0337**	**.0089**	**.3161**	**.0118**	**1.257**	**53.66**	**.0086**	**.0733**
Stddev	.0002	.15	.0003	.0001	.0009	.0001	.027	.14	.0000	.0000
%RSD	5.701	.2946	.9823	.7564	.2979	.4759	2.136	.2565	.0727	.0632
#1	-.0040	51.36	.0336	.0089	.3161	.0118	1.287	53.80	.0086	.0733
#2	-.0037	51.12	.0340	.0089	.3151	.0118	1.239	53.64	.0086	.0732
#3	-.0041	51.40	.0334	.0090	.3170	.0117	1.243	53.53	.0085	.0733

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0963**	**.1240**	**285.0**	**13.82**	**26.84**	**3.865**	**.0019**	**1.880**	**.1887**	**.0380**
Stddev	.0002	.0009	1.2	.03	.07	.012	.0002	.009	.0007	.0009
%RSD	.2030	.6955	.4347	.2239	.2552	.2982	10.70	.4782	.3657	2.448
#1	.0965	.1231	283.6	13.83	26.76	3.878	.0017	1.884	.1886	.0384
#2	.0963	.1240	285.7	13.79	26.86	3.855	.0021	1.869	.1895	.0386
#3	.0961	.1249	285.8	13.85	26.89	3.862	.0019	1.886	.1881	.0369

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0117**	**.0012**	**7.461**	**.0065**	**.0872**	**.8737**	**-.0030**	**.2416**	**.2668**
Stddev	.0006	.0005	.022	.0003	.0002	.0004	.0001	.0008	.0003
%RSD	4.928	42.98	.2977	4.310	.2052	.0427	4.799	.3165	.1078
#1	.0122	.0018	7.475	.0068	.0874	.8736	-.0029	.2407	.2671
#2	.0119	.0012	7.473	.0065	.0870	.8741	-.0031	.2418	.2665
#3	.0110	.0007	7.436	.0063	.0873	.8734	-.0029	.2422	.2666

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**8503.5**	**119540.**	**35454.**
Stddev	30.3	164.	115.
%RSD	.35659	.13758	.32455
#1	8532.4	119650.	35554.
#2	8471.9	119620.	35479.
#3	8506.3	119350.	35328.

Sample Name: L2053412-03,T Acquired: 12/8/2020 23:43:29 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0044**	**116.1**	**.1161**	**.0069**	**.4047**	**.0190**	**1.675**	**9.459**	**.0119**	**.1536**
Stddev	.0001	.1	.0008	.0003	.0001	.0000	.104	.009	.0001	.0002
%RSD	2.572	.0530	.7267	3.904	.0277	.1592	6.215	.0943	.5161	.1501
#1	-.0045	116.1	.1152	.0068	.4046	.0191	1.569	9.465	.0118	.1533
#2	-.0044	116.0	.1161	.0067	.4046	.0190	1.777	9.448	.0119	.1537
#3	-.0043	116.1	.1169	.0072	.4048	.0190	1.679	9.463	.0120	.1538

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1246**	**.4041**	**355.7**	**12.18**	**29.99**	**5.459**	**.0047**	**.3498**	**.2890**	**.1125**
Stddev	.0004	.0017	2.9	.01	.16	.011	.0001	.0027	.0007	.0008
%RSD	.3602	.4175	.8269	.1113	.5490	.2026	2.193	.7789	.2548	.7000
#1	.1243	.4038	359.1	12.19	29.86	5.465	.0048	.3529	.2896	.1123
#2	.1251	.4059	353.8	12.18	30.17	5.447	.0046	.3491	.2882	.1118
#3	.1244	.4026	354.3	12.16	29.93	5.466	.0047	.3476	.2891	.1134

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0155**	**.0019**	**4.802**	**.0086**	**.0391**	**1.390**	**-.0008**	**.3725**	**.4493**
Stddev	.0008	.0008	.023	.0002	.0001	.001	.0002	.0008	.0004
%RSD	5.248	41.38	.4817	1.871	.2473	.0655	25.21	.2036	.0786
#1	.0147	.0028	4.778	.0088	.0390	1.389	-.0006	.3717	.4497
#2	.0163	.0019	4.803	.0086	.0392	1.391	-.0010	.3732	.4490
#3	.0155	.0012	4.824	.0084	.0390	1.391	-.0009	.3727	.4492

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**10693.**	**150620.**	**44461.**
Stddev	29.	467.	74.
%RSD	.27427	.31020	.16595
#1	10727.	150380.	44503.
#2	10682.	151160.	44376.
#3	10671.	150330.	44504.

Sample Name: L2053412-04,T Acquired: 12/8/2020 23:48:08 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0041**	**156.3**	**.1019**	**.0136**	**.4799**	**.0181**	**1.633**	**4.230**	**.0118**	**.1607**
Stddev	.0002	1.1	.0012	.0004	.0020	.0001	.070	.015	.0000	.0001
%RSD	4.493	.7296	1.188	2.932	.4098	.3116	4.297	.3462	.2435	.0888
#1	-.0040	155.3	.1016	.0140	.4776	.0180	1.633	4.213	.0118	.1606
#2	-.0039	157.5	.1009	.0134	.4811	.0181	1.563	4.236	.0118	.1607
#3	-.0043	156.1	.1033	.0133	.4810	.0181	1.703	4.241	.0118	.1609

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1913**	**.3039**	**385.9**	**24.08**	**60.71**	**5.890**	**.0071**	**.3770**	**.2782**	**.1409**
Stddev	.0006	.0008	6.4	.09	.10	.016	.0002	.0062	.0007	.0012
%RSD	.3074	.2627	1.669	.3593	.1661	.2669	2.621	1.651	.2666	.8790
#1	.1919	.3030	378.5	23.99	60.63	5.871	.0069	.3714	.2777	.1406
#2	.1912	.3044	389.4	24.09	60.82	5.899	.0073	.3758	.2791	.1399
#3	.1907	.3044	389.9	24.16	60.68	5.898	.0070	.3837	.2779	.1423

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0161**	**.0025**	**5.686**	**.0075**	**.0426**	**3.156**	**-.0003**	**.3991**	**.5169**
Stddev	.0008	.0008	.031	.0005	.0002	.001	.0001	.0012	.0010
%RSD	4.759	32.22	.5408	6.803	.5817	.0434	41.57	.3046	.1932
#1	.0164	.0034	5.653	.0072	.0424	3.156	-.0003	.4003	.5158
#2	.0152	.0018	5.690	.0072	.0426	3.155	-.0003	.3979	.5172
#3	.0167	.0024	5.714	.0081	.0429	3.158	-.0001	.3992	.5177

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**8367.6**	**116640.**	**34739.**
Stddev	18.7	173.	156.
%RSD	.22402	.14846	.45008
#1	8376.4	116700.	34916.
#2	8346.1	116770.	34619.
#3	8380.4	116440.	34683.

Sample Name: CCV Acquired: 12/8/2020 23:52:53 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5078**	**.4902**	**.5151**	**.5154**	**.4967**	**.4877**	**.5435**	**.4720**	**.4906**	**.4873**
Stddev	.0014	.0148	.0008	.0004	.0009	.0009	.1154	.0029	.0001	.0004
%RSD	.2660	3.025	.1567	.0694	.1804	.1753	21.24	.6041	.0240	.0736
#1	.5073	.5028	.5155	.5152	.4964	.4887	.4643	.4698	.4906	.4877
#2	.5093	.4739	.5142	.5158	.4960	.4873	.6759	.4752	.4908	.4873
#3	.5067	.4940	.5156	.5152	.4977	.4872	.4902	.4710	.4905	.4870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4927**	**.4934**	**.5305**	**5.313**	**.5186**	**.4635**	**.4691**	**10.49**	**.4932**	**.4929**
Stddev	.0015	.0015	.0053	.029	.0020	.0012	.0060	.01	.0002	.0009
%RSD	.3066	.3105	.9977	.5358	.3811	.2670	1.287	.0558	.0504	.1806
#1	.4915	.4944	.5362	5.338	.5207	.4641	.4625	10.50	.4934	.4919
#2	.4944	.4942	.5294	5.282	.5181	.4621	.4703	10.49	.4933	.4937
#3	.4922	.4917	.5258	5.320	.5168	.4643	.4744	10.48	.4929	.4930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4967**	**.5157**	**5.289**	**.5047**	**.4969**	**.4936**	**.5003**	**.4841**	**.5074**
Stddev	.0055	.0009	.009	.0028	.0003	.0007	.0019	.0016	.0004
%RSD	1.097	.1806	.1773	.5612	.0518	.1453	.3754	.3202	.0818
#1	.4914	.5162	5.299	.5021	.4969	.4940	.5017	.4847	.5077
#2	.4964	.5163	5.288	.5042	.4967	.4940	.5010	.4853	.5070
#3	.5023	.5146	5.281	.5077	.4972	.4928	.4981	.4824	.5076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4362.6**	**61077.**	**16965.**
Stddev	3.0	108.	74.
%RSD	.06904	.17724	.43874
#1	4365.0	61033.	16927.
#2	4359.2	60997.	17050.
#3	4363.7	61200.	16916.

Sample Name: CCB Acquired: 12/8/2020 23:57:20 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0007**	**.0003**	**.0014**	**-.0000**	**-.0001**	**.0431**	**-.0039**	**.0000**	**-.0002**
Stddev	.0002	.0121	.0007	.0002	.0000	.0001	.1109	.0072	.0000	.0001
%RSD	68.54	1644.	208.0	16.05	352.2	66.10	257.3	185.4	60.86	51.93
#1	.0001	-.0007	.0007	.0015	-.0001	-.0002	-.0522	-.0104	.0000	-.0001
#2	.0006	-.0128	-.0004	.0016	.0000	-.0002	.1648	.0038	.0000	-.0003
#3	.0003	.0113	.0006	.0012	.0000	-.0000	.0166	-.0050	.0001	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**-.0000**	**.0163**	**.0380**	**.0019**	**-.0002**	**.0054**	**-.0207**	**.0002**	**-.0005**
Stddev	.0006	.0002	.0006	.0259	.0006	.0001	.0010	.0094	.0001	.0015
%RSD	24360.	1102.	3.688	68.17	34.29	34.10	18.26	45.37	34.34	283.1
#1	-.0005	.0002	.0170	.0127	.0021	-.0002	.0065	-.0265	.0002	-.0011
#2	.0006	-.0002	.0158	.0644	.0011	-.0002	.0052	-.0099	.0002	.0012
#3	-.0000	-.0000	.0162	.0368	.0024	-.0003	.0045	-.0258	.0003	-.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0123**	**.0015**	**.0197**	**.0024**	**.0000**	**.0008**	**-.0017**	**-.0002**	**-.0008**
Stddev	.0025	.0014	.0011	.0001	.0000	.0000	.0005	.0002	.0001
%RSD	20.47	89.73	5.577	4.530	71.72	5.846	28.49	113.2	11.99
#1	.0147	.0013	.0208	.0024	.0000	.0008	-.0011	-.0003	-.0009
#2	.0125	.0029	.0196	.0025	.0000	.0008	-.0021	.0001	-.0007
#3	.0096	.0003	.0186	.0023	.0000	.0007	-.0018	-.0003	-.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4349.2**	**61679.**	**16732.**
Stddev	9.7	533.	57.
%RSD	.22201	.86347	.33995
#1	4360.0	61070.	16666.
#2	4346.3	62058.	16768.
#3	4341.3	61908.	16761.

Sample Name: L2053412-05,T Acquired: 12/9/2020 0:02:05 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0048**	**157.7**	**.0878**	**.0204**	**.3353**	**.0208**	**1.802**	**3.677**	**.0146**	**.1573**
Stddev	.0003	.5	.0013	.0005	.0010	.0001	.156	.025	.0000	.0004
%RSD	5.282	.3481	1.431	2.304	.3110	.5740	8.634	.6661	.2240	.2456
#1	-.0046	158.0	.0866	.0199	.3361	.0208	1.628	3.703	.0146	.1569
#2	-.0051	158.0	.0891	.0205	.3356	.0208	1.927	3.674	.0146	.1576
#3	-.0047	157.1	.0877	.0209	.3341	.0206	1.852	3.655	.0147	.1573

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1859**	**.2841**	**496.4**	**24.13**	**52.04**	**5.618**	**.0048**	**1.386**	**.2599**	**.1287**
Stddev	.0005	.0002	.5	.11	.36	.025	.0002	.004	.0003	.0007
%RSD	.2825	.0754	.0954	.4641	.6846	.4503	3.331	.3217	.1037	.5376
#1	.1853	.2844	496.6	24.23	51.86	5.646	.0047	1.387	.2600	.1292
#2	.1860	.2841	496.8	24.14	51.80	5.610	.0049	1.390	.2601	.1279
#3	.1864	.2840	495.9	24.01	52.45	5.598	.0046	1.381	.2596	.1289

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0253**	**.0095**	**7.037**	**.0110**	**.0293**	**2.967**	**-.0015**	**.4999**	**.5913**
Stddev	.0014	.0010	.035	.0005	.0001	.003	.0010	.0009	.0002
%RSD	5.647	11.01	.4976	4.181	.4762	.0864	68.56	.1802	.0388
#1	.0245	.0100	7.077	.0115	.0295	2.965	-.0015	.4994	.5911
#2	.0244	.0083	7.021	.0105	.0292	2.970	-.0025	.4994	.5912
#3	.0269	.0103	7.012	.0110	.0292	2.968	-.0005	.5009	.5915

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**7188.2**	**100010.**	**29445.**
Stddev	16.3	321.	101.
%RSD	.22652	.32108	.34221
#1	7193.6	99800.	29393.
#2	7201.1	99855.	29561.
#3	7169.9	100380.	29381.

Sample Name: L2053412-06,T Acquired: 12/9/2020 0:06:42 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0037**	**85.68**	**.0730**	**.0117**	**.5373**	**.0179**	**1.962**	**2.945**	**.0096**	**.1727**
Stddev	.0001	.34	.0014	.0002	.0014	.0001	.175	.017	.0000	.0002
%RSD	1.857	.3953	1.937	2.000	.2695	.6029	8.908	.5709	.2502	.0967
#1	-.0037	86.05	.0742	.0116	.5389	.0181	2.119	2.963	.0096	.1727
#2	-.0036	85.39	.0735	.0115	.5362	.0179	1.774	2.930	.0096	.1729
#3	-.0038	85.61	.0714	.0119	.5367	.0179	1.994	2.943	.0095	.1726

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1035**	**.2793**	**311.1**	**26.99**	**49.23**	**6.946**	**.0072**	**1.830**	**.2620**	**.1023**
Stddev	.0006	.0007	2.3	.10	.09	.032	.0002	.006	.0004	.0004
%RSD	.5321	.2418	.7341	.3562	.1754	.4653	2.120	.3387	.1488	.3953
#1	.1039	.2788	308.6	27.10	49.20	6.982	.0073	1.838	.2624	.1020
#2	.1029	.2789	313.1	26.92	49.33	6.919	.0071	1.827	.2617	.1027
#3	.1039	.2800	311.7	26.96	49.16	6.938	.0074	1.827	.2618	.1021

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0142**	**.0026**	**7.299**	**.0061**	**.0250**	**1.755**	**.0006**	**.2744**	**.4691**
Stddev	.0011	.0003	.006	.0009	.0001	.003	.0009	.0003	.0001
%RSD	7.915	11.51	.0773	14.26	.4871	.1716	143.4	.1266	.0296
#1	.0135	.0022	7.305	.0070	.0251	1.758	.0016	.2742	.4692
#2	.0155	.0027	7.294	.0061	.0249	1.754	-.0001	.2748	.4690
#3	.0136	.0028	7.300	.0053	.0248	1.753	.0003	.2741	.4691

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**8773.0**	**122600.**	**35605.**
Stddev	12.5	318.	149.
%RSD	.14257	.25969	.41798
#1	8780.6	122780.	35776.
#2	8758.5	122790.	35536.
#3	8779.7	122230.	35504.

Sample Name: L2053412-07,T Acquired: 12/9/2020 0:11:19 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0039**	**71.89**	**.0824**	**.0013**	**1.402**	**.0253**	**2.128**	**7.138**	**.0151**	**.1754**
Stddev	.0000	.13	.0005	.0002	.008	.0001	.019	.051	.0000	.0002
%RSD	1.187	.1759	.5776	13.76	.5884	.5030	.9001	.7142	.2307	.1212
#1	-.0039	71.83	.0826	.0015	1.406	.0252	2.137	7.128	.0151	.1754
#2	-.0039	72.04	.0818	.0011	1.408	.0253	2.141	7.092	.0150	.1751
#3	-.0040	71.81	.0827	.0014	1.393	.0254	2.106	7.193	.0151	.1756

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0736**	**.3038**	**283.0**	**5.794**	**7.638**	**19.90**	**.0039**	**6.294**	**.3246**	**.1790**
Stddev	.0003	.0008	3.7	.018	.023	.17	.0001	.010	.0008	.0009
%RSD	.3479	.2480	1.321	.3108	.2956	.8313	2.084	.1583	.2561	.4912
#1	.0739	.3033	278.9	5.796	7.623	19.71	.0038	6.296	.3252	.1797
#2	.0734	.3035	284.2	5.775	7.628	19.99	.0040	6.283	.3237	.1794
#3	.0735	.3047	286.1	5.811	7.664	20.01	.0040	6.303	.3251	.1780

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0121**	**.0080**	**4.041**	**.0067**	**.0381**	**1.255**	**.0144**	**.2829**	**.8678**
Stddev	.0005	.0003	.017	.0001	.0001	.002	.0009	.0006	.0008
%RSD	4.489	3.507	.4102	1.322	.1555	.1778	6.153	.2010	.0959
#1	.0120	.0077	4.027	.0066	.0382	1.255	.0147	.2823	.8685
#2	.0127	.0081	4.037	.0068	.0381	1.253	.0151	.2830	.8669
#3	.0117	.0083	4.059	.0068	.0381	1.257	.0134	.2835	.8681

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**12415.**	**172360.**	**50216.**
Stddev	34.	505.	298.
%RSD	.27444	.29303	.59422
#1	12427.	172340.	50257.
#2	12442.	172870.	50492.
#3	12377.	171860.	49900.

Sample Name: L2053412-08,T Acquired: 12/9/2020 0:16:08 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0026**	**63.20**	**.0854**	**.0042**	**.9015**	**.0209**	**.9061**	**8.499**	**.0146**	**.2614**
Stddev	.0000	.18	.0010	.0003	.0033	.0000	.2828	.018	.0001	.0006
%RSD	1.501	.2777	1.131	6.076	.3609	.2230	31.21	.2179	.4785	.2216
#1	-.0026	63.16	.0855	.0044	.9036	.0209	.5920	8.484	.0146	.2619
#2	-.0025	63.05	.0863	.0043	.8978	.0209	.9856	8.520	.0146	.2608
#3	-.0026	63.40	.0844	.0039	.9032	.0208	1.141	8.493	.0147	.2616

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0980**	**.3895**	**415.4**	**9.483**	**13.93**	**12.17**	**.0061**	**4.447**	**.4473**	**.1136**
Stddev	.0001	.0020	3.6	.011	.03	.03	.0002	.005	.0005	.0027
%RSD	.0822	.5162	.8666	.1205	.1995	.2133	2.756	.1150	.1196	2.411
#1	.0979	.3875	419.0	9.472	13.93	12.14	.0062	4.452	.4473	.1107
#2	.0981	.3894	415.2	9.495	13.95	12.19	.0059	4.442	.4468	.1161
#3	.0979	.3915	411.9	9.483	13.90	12.17	.0063	4.447	.4479	.1140

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0179**	**.0038**	**6.466**	**.0076**	**.0291**	**1.357**	**.0079**	**.3037**	**.5983**
Stddev	.0008	.0005	.017	.0000	.0001	.009	.0006	.0015	.0005
%RSD	4.652	11.87	.2590	.6105	.2589	.6594	7.316	.5103	.0851
#1	.0181	.0036	6.480	.0077	.0292	1.347	.0081	.3021	.5983
#2	.0187	.0044	6.448	.0076	.0291	1.364	.0082	.3036	.5978
#3	.0170	.0036	6.471	.0076	.0291	1.359	.0072	.3052	.5988

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**8004.1**	**111980.**	**31842.**
Stddev	24.8	330.	128.
%RSD	.31003	.29485	.40077
#1	7987.4	112300.	31772.
#2	8032.6	111640.	31764.
#3	7992.2	112000.	31989.

Sample Name: L2053412-09,T Acquired: 12/9/2020 0:20:48 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0026**	**16.31**	**.0296**	**.0130**	**.2789**	**.0081**	**2.266**	**25.76**	**.0070**	**.0932**
Stddev	.0001	.03	.0005	.0002	.0002	.0000	.019	.11	.0000	.0004
%RSD	3.920	.2025	1.558	1.623	.0871	.5906	.8361	.4335	.4860	.4528
#1	-.0024	16.27	.0301	.0131	.2788	.0080	2.259	25.64	.0070	.0928
#2	-.0026	16.32	.0292	.0128	.2792	.0081	2.251	25.86	.0071	.0936
#3	-.0026	16.34	.0296	.0132	.2787	.0081	2.287	25.79	.0070	.0932

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1041**	**.1514**	**264.1**	**12.77**	**18.73**	**4.135**	**.0057**	**3.099**	**.2349**	**.0436**
Stddev	.0002	.0005	1.6	.02	.06	.008	.0000	.004	.0003	.0004
%RSD	.1622	.3276	.6202	.1555	.3273	.1926	.8779	.1124	.1241	1.009
#1	.1042	.1520	265.1	12.75	18.79	4.128	.0057	3.098	.2346	.0431
#2	.1041	.1512	262.2	12.79	18.74	4.144	.0056	3.097	.2352	.0440
#3	.1039	.1511	265.1	12.78	18.66	4.134	.0057	3.103	.2349	.0437

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0140**	**.0038**	**11.43**	**.0066**	**.0545**	**.4420**	**-.0009**	**.1834**	**.2100**
Stddev	.0020	.0016	.09	.0003	.0001	.0042	.0006	.0002	.0004
%RSD	13.98	41.20	.8225	4.065	.1681	.9529	68.43	.1034	.1909
#1	.0125	.0056	11.34	.0067	.0546	.4454	-.0005	.1836	.2103
#2	.0134	.0034	11.42	.0068	.0545	.4432	-.0006	.1833	.2102
#3	.0162	.0025	11.53	.0063	.0544	.4373	-.0016	.1833	.2096

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**7056.6**	**98674.**	**28131.**
Stddev	23.9	231.	32.
%RSD	.33821	.23419	.11227
#1	7083.5	98684.	28096.
#2	7037.9	98899.	28139.
#3	7048.4	98438.	28157.

Sample Name: L2053412-10,T Acquired: 12/9/2020 0:25:29 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0047**	**166.1**	**.1304**	**.0206**	**.7301**	**.0237**	**.6011**	**60.19**	**.0131**	**.0951**
Stddev	.0001	.5	.0012	.0001	.0037	.0002	.0842	.32	.0001	.0001
%RSD	3.088	.2874	.9523	.5025	.5022	.9238	14.02	.5336	.5399	.0794
#1	-.0045	166.5	.1295	.0206	.7328	.0239	.6863	60.54	.0130	.0950
#2	-.0048	166.3	.1318	.0205	.7316	.0235	.5992	59.92	.0131	.0951
#3	-.0048	165.6	.1299	.0207	.7259	.0235	.5178	60.11	.0131	.0951

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2162**	**.2469**	**374.2**	**16.87**	**66.98**	**6.831**	**.0118**	**4.424**	**.2674**	**.1444**
Stddev	.0010	.0006	2.9	.07	.47	.029	.0001	.013	.0007	.0011
%RSD	.4774	.2279	.7634	.4366	.6987	.4260	.7893	.3027	.2568	.7924
#1	.2160	.2463	377.0	16.95	66.44	6.864	.0119	4.439	.2670	.1453
#2	.2153	.2471	374.5	16.85	67.20	6.817	.0117	4.423	.2671	.1431
#3	.2173	.2474	371.3	16.81	67.30	6.811	.0118	4.412	.2682	.1447

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0182**	**.0048**	**2.583**	**.0111**	**.0860**	**1.323**	**-.0011**	**.5196**	**.5444**
Stddev	.0008	.0005	.032	.0003	.0002	.002	.0009	.0009	.0001
%RSD	4.564	11.37	1.227	2.567	.1793	.1330	81.80	.1815	.0238
#1	.0177	.0053	2.550	.0109	.0861	1.321	-.0003	.5185	.5443
#2	.0177	.0043	2.586	.0110	.0859	1.322	-.0009	.5201	.5444
#3	.0192	.0049	2.613	.0114	.0858	1.325	-.0022	.5202	.5445

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**10501.**	**149200.**	**44116.**
Stddev	24.	499.	148.
%RSD	.23064	.33433	.33498
#1	10527.	148720.	43983.
#2	10498.	149720.	44275.
#3	10479.	149150.	44089.

Sample Name: L2053412-11,T Acquired: 12/9/2020 0:30:21 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0023**	**124.1**	**.0696**	**.0218**	**.7908**	**.0122**	**1.321**	**10.06**	**.0067**	**.1262**
Stddev	.0002	.2	.0008	.0004	.0029	.0000	.053	.02	.0000	.0004
%RSD	6.834	.1750	1.205	1.997	.3674	.4080	4.032	.1828	.4483	.3277
#1	-.0022	124.3	.0688	.0217	.7939	.0122	1.368	10.06	.0067	.1257
#2	-.0025	124.2	.0697	.0215	.7905	.0122	1.332	10.08	.0067	.1262
#3	-.0024	123.9	.0705	.0223	.7881	.0121	1.263	10.04	.0068	.1265

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1477**	**.1519**	**255.5**	**14.58**	**49.65**	**7.462**	**.0045**	**5.403**	**.1736**	**.5571**
Stddev	.0011	.0014	2.2	.04	.17	.021	.0001	.018	.0000	.0027
%RSD	.7449	.9371	.8758	.2966	.3513	.2880	1.361	.3399	.0248	.4883
#1	.1475	.1503	258.1	14.63	49.85	7.464	.0045	5.424	.1736	.5549
#2	.1467	.1523	253.9	14.58	49.58	7.483	.0045	5.391	.1736	.5561
#3	.1489	.1530	254.5	14.54	49.52	7.440	.0046	5.394	.1737	.5601

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0098**	**.0054**	**7.895**	**.0251**	**.0441**	**2.586**	**.0011**	**.2900**	**.4246**
Stddev	.0004	.0004	.096	.0005	.0001	.008	.0010	.0005	.0005
%RSD	4.212	7.062	1.209	2.106	.1296	.3007	92.39	.1868	.1223
#1	.0095	.0058	7.942	.0256	.0441	2.593	-.0001	.2902	.4241
#2	.0096	.0054	7.958	.0245	.0442	2.586	.0015	.2904	.4246
#3	.0103	.0050	7.785	.0252	.0441	2.578	.0018	.2894	.4252

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**7465.7**	**104540.**	**29383.**
Stddev	22.0	309.	70.
%RSD	.29437	.29574	.23737
#1	7441.1	104890.	29417.
#2	7483.5	104460.	29429.
#3	7472.4	104280.	29303.

Sample Name: L2053412-12,T Acquired: 12/9/2020 0:35:00 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0058**	**180.5**	**.0962**	**.0226**	**.3895**	**.0217**	**1.756**	**5.300**	**.0139**	**.1353**
Stddev	.0001	2.0	.0020	.0002	.0010	.0001	.101	.005	.0001	.0002
%RSD	1.755	1.098	2.115	.6850	.2512	.6854	5.728	.0948	.3955	.1175
#1	-.0057	178.3	.0969	.0227	.3906	.0218	1.859	5.306	.0140	.1354
#2	-.0059	181.9	.0939	.0225	.3888	.0215	1.658	5.300	.0139	.1351
#3	-.0058	181.4	.0979	.0225	.3890	.0217	1.752	5.296	.0139	.1353

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2466**	**.2202**	**459.8**	**18.20**	**46.73**	**3.696**	**.0078**	**4.865**	**.2842**	**.1103**
Stddev	.0012	.0012	5.7	.04	.21	.005	.0003	.011	.0003	.0025
%RSD	.4846	.5376	1.235	.1980	.4569	.1416	3.285	.2269	.0916	2.224
#1	.2462	.2206	453.5	18.23	46.59	3.701	.0075	4.876	.2844	.1131
#2	.2457	.2211	461.3	18.16	46.63	3.695	.0077	4.854	.2843	.1091
#3	.2480	.2189	464.6	18.20	46.98	3.690	.0080	4.865	.2839	.1087

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0211**	**.0010**	**5.009**	**.0234**	**.0531**	**2.437**	**-.0042**	**.5689**	**.5684**
Stddev	.0013	.0007	.006	.0003	.0001	.008	.0005	.0008	.0009
%RSD	6.170	77.02	.1264	1.422	.1558	.3161	12.88	.1410	.1598
#1	.0196	.0009	5.010	.0231	.0532	2.441	-.0036	.5697	.5695
#2	.0216	.0003	5.002	.0237	.0530	2.442	-.0044	.5689	.5679
#3	.0220	.0017	5.015	.0234	.0531	2.428	-.0046	.5681	.5680

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**8373.8**	**115840.**	**33738.**
Stddev	30.9	492.	145.
%RSD	.36946	.42480	.42833
#1	8351.1	115910.	33904.
#2	8361.2	115310.	33645.
#3	8409.0	116290.	33664.

Sample Name: L2053412-13,T Acquired: 12/9/2020 0:39:46 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0023**	**165.6**	**.0723**	**.0101**	**.6061**	**.0144**	**1.697**	**18.00**	**.0121**	**.1374**
Stddev	.0001	.1	.0018	.0003	.0006	.0001	.201	.05	.0000	.0002
%RSD	6.268	.0846	2.484	3.068	.1058	.4070	11.87	.2994	.2240	.1396
#1	-.0025	165.5	.0718	.0097	.6057	.0145	1.789	18.06	.0121	.1372
#2	-.0024	165.7	.0708	.0103	.6069	.0145	1.835	17.98	.0122	.1375
#3	-.0022	165.7	.0743	.0102	.6058	.0144	1.466	17.96	.0121	.1376

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1639**	**.2915**	**408.3**	**16.51**	**30.03**	**7.508**	**.0059**	**.8927**	**.2391**	**.2425**
Stddev	.0009	.0023	6.9	.01	.32	.013	.0001	.0051	.0005	.0014
%RSD	.5690	.7861	1.682	.0736	1.081	.1663	1.748	.5761	.1972	.5916
#1	.1647	.2890	415.3	16.51	30.35	7.520	.0058	.8878	.2396	.2409
#2	.1642	.2924	408.0	16.52	29.70	7.508	.0060	.8980	.2391	.2436
#3	.1629	.2933	401.6	16.50	30.04	7.495	.0060	.8924	.2386	.2431

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0207**	**.0061**	**5.023**	**.0107**	**.0762**	**2.741**	**.0074**	**.4557**	**.7253**
Stddev	.0008	.0013	.076	.0002	.0001	.010	.0013	.0010	.0008
%RSD	3.704	21.55	1.518	1.690	.0974	.3556	17.92	.2242	.1107
#1	.0198	.0046	4.944	.0106	.0761	2.750	.0071	.4565	.7248
#2	.0209	.0071	5.027	.0107	.0762	2.731	.0088	.4546	.7250
#3	.0212	.0067	5.097	.0109	.0762	2.742	.0062	.4562	.7263

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**6953.8**	**96627.**	**27691.**
Stddev	18.2	391.	62.
%RSD	.26120	.40510	.22366
#1	6972.1	97032.	27624.
#2	6935.8	96600.	27746.
#3	6953.3	96250.	27703.

Sample Name: L2053412-14,T Acquired: 12/9/2020 0:44:23 Type: Unk
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0031**	**149.1**	**.0603**	**.0115**	**1.140**	**.0130**	**.3073**	**16.92**	**.0067**	**.1314**
Stddev	.0004	.2	.0008	.0002	.003	.0001	.2627	.05	.0001	.0000
%RSD	11.93	.1655	1.348	1.930	.2246	.7083	85.49	.2818	.8389	.0266
#1	-.0035	149.4	.0598	.0117	1.137	.0129	.2337	16.97	.0067	.1315
#2	-.0028	149.1	.0612	.0115	1.139	.0130	.5990	16.89	.0066	.1314
#3	-.0029	148.9	.0597	.0113	1.142	.0131	.0892	16.88	.0067	.1314

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1743**	**.1641**	**242.9**	**12.50**	**43.44**	**4.388**	**.0045**	**1.040**	**.1922**	**.1735**
Stddev	.0007	.0004	.8	.02	.30	.009	.0001	.002	.0003	.0004
%RSD	.4166	.2238	.3115	.1240	.7003	.1948	1.970	.1671	.1816	.2153
#1	.1739	.1646	243.7	12.52	43.71	4.396	.0046	1.042	.1924	.1732
#2	.1740	.1639	243.0	12.49	43.50	4.379	.0044	1.038	.1923	.1739
#3	.1752	.1640	242.1	12.49	43.11	4.388	.0046	1.040	.1918	.1733

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0101**	**.0044**	**4.971**	**.0263**	**.1122**	**1.869**	**.0006**	**.3158**	**.5123**
Stddev	.0013	.0007	.078	.0003	.0002	.002	.0006	.0004	.0017
%RSD	12.92	14.79	1.564	1.282	.1774	.0899	110.3	.1349	.3320
#1	.0088	.0037	4.881	.0266	.1124	1.871	.0012	.3162	.5139
#2	.0114	.0049	5.014	.0259	.1121	1.869	-.0001	.3154	.5124
#3	.0099	.0046	5.017	.0264	.1121	1.867	.0006	.3158	.5105

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**6889.2**	**96506.**	**27399.**
Stddev	10.0	314.	94.
%RSD	.14485	.32509	.34402
#1	6895.4	96709.	27316.
#2	6894.5	96664.	27380.
#3	6877.7	96145.	27502.

Sample Name: CCV Acquired: 12/9/2020 0:49:01 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5071	.4933	.5095	.5109	.5034	.4799	.5822	.4688	.4884	.4848
Stddev	.0023	.0053	.0011	.0003	.0001	.0016	.0207	.0071	.0001	.0006
%RSD	.4617	1.071	.2248	.0571	.0246	.3331	3.553	1.506	.0259	.1329
#1	.5070	.4978	.5099	.5113	.5034	.4781	.6032	.4667	.4882	.4843
#2	.5095	.4947	.5082	.5107	.5033	.4805	.5618	.4630	.4885	.4847
#3	.5048	.4875	.5104	.5108	.5035	.4812	.5816	.4766	.4884	.4855
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4872	.4927	.5012	5.393	.5248	.4543	.4653	10.69	.4904	.4901
Stddev	.0036	.0023	.0015	.035	.0004	.0020	.0064	.00	.0006	.0008
%RSD	.7363	.4747	.2911	.6438	.0670	.4509	1.379	.0057	.1317	.1684
#1	.4865	.4913	.5020	5.413	.5250	.4554	.4586	10.69	.4898	.4897
#2	.4910	.4954	.5022	5.353	.5244	.4520	.4660	10.69	.4903	.4896
#3	.4839	.4915	.4995	5.413	.5250	.4556	.4713	10.69	.4910	.4911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4935	.5129	5.259	.5019	.5013	.4908	.4990	.4816	.5050
Stddev	.0078	.0023	.005	.0013	.0008	.0015	.0006	.0032	.0005
%RSD	1.586	.4410	.1033	.2633	.1584	.3067	.1290	.6549	.1077
#1	.4850	.5122	5.257	.5004	.5015	.4904	.4998	.4815	.5044
#2	.4951	.5110	5.256	.5027	.5005	.4924	.4985	.4849	.5050
#3	.5004	.5154	5.266	.5026	.5020	.4895	.4988	.4786	.5055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	4369.6	60934.	16532.
Stddev	3.0	269.	135.
%RSD	.06962	.44127	.81583
#1	4372.7	60687.	16421.
#2	4369.6	60895.	16682.
#3	4366.6	61220.	16492.

Sample Name: CCB Acquired: 12/9/2020 0:53:29 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0141**	**.0011**	**.0009**	**.0001**	**-.0000**	**.1382**	**-.0033**	**.0000**	**-.0002**
Stddev	.0003	.0057	.0011	.0002	.0001	.0001	.2201	.0045	.0000	.0001
%RSD	108.6	40.54	94.57	22.66	124.9	2621.	159.3	138.3	124.4	79.97
#1	-.0001	-.0117	.0023	.0007	-.0000	.0001	.2679	-.0066	.0001	-.0003
#2	.0005	-.0100	.0002	.0009	.0001	-.0000	.2626	.0019	-.0000	-.0002
#3	.0004	-.0206	.0010	.0012	.0002	-.0000	-.1159	-.0051	.0000	-.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0007**	**.0111**	**.0226**	**.0010**	**.0000**	**.0054**	**-.0315**	**-.0000**	**.0008**
Stddev	.0003	.0007	.0008	.0352	.0040	.0003	.0010	.0091	.0002	.0005
%RSD	109.0	95.92	7.312	156.1	418.7	8207.	19.05	28.72	9974.	59.27
#1	.0006	-.0010	.0112	.0575	.0033	.0001	.0064	-.0226	.0000	.0007
#2	.0002	-.0011	.0119	-.0129	-.0037	.0002	.0055	-.0407	-.0003	.0004
#3	.0000	.0001	.0103	.0230	.0033	-.0003	.0044	-.0312	.0002	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0132**	**.0015**	**.0193**	**.0030**	**.0000**	**.0012**	**-.0000**	**-.0001**	**-.0009**
Stddev	.0024	.0005	.0001	.0001	.0001	.0004	.0006	.0002	.0001
%RSD	18.11	36.67	.4622	3.386	2415.	30.94	1628.	141.2	11.65
#1	.0156	.0018	.0192	.0030	.0001	.0014	.0006	-.0001	-.0008
#2	.0108	.0009	.0193	.0031	-.0001	.0013	-.0003	-.0003	-.0010
#3	.0131	.0017	.0194	.0029	-.0000	.0008	-.0004	.0000	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4369.5**	**62161.**	**16299.**
Stddev	17.7	304.	67.
%RSD	.40416	.48938	.41081
#1	4386.4	62435.	16222.
#2	4370.8	62214.	16346.
#3	4351.2	61833.	16328.

Sample Name: 0.005 Acquired: 12/9/2020 0:58:15 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0050**	**-.0108**	W **.0062**	**.0058**	**.0050**	**.0048**	**.1063**	**.0043**	**.0051**	**.0049**
Stddev	.0002	.0078	.0008	.0002	.0003	.0001	.1620	.0076	.0001	.0000
%RSD	3.079	72.32	13.25	2.803	5.767	1.163	152.4	177.7	1.184	.9908
#1	.0048	-.0078	.0059	.0056	.0052	.0049	.2934	-.0042	.0050	.0049
#2	.0050	-.0050	.0072	.0059	.0047	.0048	.0106	.0067	.0050	.0049
#3	.0051	-.0198	.0056	.0059	.0052	.0048	.0150	.0104	.0051	.0050
Check ?	Chk Pass	None	Chk Warn	None	None	Chk Pass	None	None	Chk Pass	None
High Limit			.0060							
Low Limit			.0040							

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0053**	**.0042**	**.0093**	**.0582**	**.0021**	**.0044**	**.0064**	**-.0264**	**.0053**	**.0055**
Stddev	.0003	.0004	.0017	.0408	.0018	.0004	.0001	.0024	.0003	.0008
%RSD	6.128	8.595	18.51	70.20	87.30	8.167	1.873	9.276	5.575	15.00
#1	.0052	.0041	.0075	.1022	.0000	.0047	.0063	-.0240	.0051	.0046
#2	.0056	.0046	.0109	.0506	.0028	.0040	.0066	-.0262	.0052	.0055
#3	.0050	.0039	.0096	.0216	.0034	.0045	.0064	-.0289	.0056	.0062
Check ?	None	None	None	None	None	None	None	None	None	None
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0081**	**.0057**	**.0147**	**.0059**	**.0052**	**.0050**	**.0048**	**.0048**	**.0041**
Stddev	.0004	.0009	.0003	.0003	.0001	.0004	.0004	.0002	.0001
%RSD	5.282	15.90	1.747	4.435	1.406	7.408	8.284	4.303	3.464
#1	.0082	.0065	.0149	.0061	.0052	.0051	.0048	.0046	.0040
#2	.0085	.0047	.0144	.0056	.0053	.0047	.0052	.0050	.0042
#3	.0077	.0059	.0147	.0060	.0051	.0054	.0044	.0049	.0039
Check ?	None	None	None	None	None	None	None	None	None
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4377.2**	**62392.**	**16448.**
Stddev	17.9	112.	49.
%RSD	.40814	.17995	.29685
#1	4391.2	62500.	16432.
#2	4383.4	62276.	16503.
#3	4357.1	62402.	16409.

Sample Name: 0.01 Acquired: 12/9/2020 1:02:59 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0102**	**-.0058**	**.0106**	**.0107**	**.0103**	**.0096**	F **.0659**	**.0241**	**.0101**	**.0101**
Stddev	.0006	.0031	.0014	.0005	.0001	.0001	.1029	.0073	.0000	.0001
%RSD	5.754	52.57	12.78	4.651	1.077	1.004	156.2	30.42	.0864	.8907
#1	.0108	-.0049	.0091	.0109	.0104	.0096	.0214	.0261	.0101	.0100
#2	.0103	-.0093	.0108	.0101	.0102	.0095	.1836	.0160	.0101	.0102
#3	.0096	-.0033	.0118	.0111	.0103	.0097	-.0073	.0302	.0101	.0100
Check ?	None	None	None	Chk Pass	Chk Pass	None	Chk Fail	None	None	Chk Pass
Value							.0131			
Range							.0070			

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0097**	**.0109**	**.0134**	**.1077**	**.0099**	**.0094**	**.0106**	**-.0185**	**.0102**	**.0099**
Stddev	.0001	.0003	.0019	.0074	.0016	.0003	.0001	.0030	.0002	.0009
%RSD	1.521	2.295	14.10	6.875	16.54	2.920	.7201	16.10	1.593	9.545
#1	.0096	.0107	.0153	.1047	.0116	.0091	.0107	-.0161	.0103	.0090
#2	.0097	.0109	.0136	.1161	.0084	.0097	.0105	-.0176	.0102	.0109
#3	.0099	.0112	.0115	.1023	.0096	.0094	.0106	-.0219	.0100	.0099
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value										
Range										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0086**	**.0104**	**.0125**	**.0092**	**.0105**	**.0101**	**.0102**	**.0100**	**.0091**
Stddev	.0005	.0010	.0006	.0006	.0001	.0002	.0013	.0003	.0000
%RSD	6.286	9.961	4.498	6.257	.8570	2.238	12.81	2.639	.4402
#1	.0088	.0099	.0128	.0086	.0105	.0099	.0090	.0102	.0091
#2	.0091	.0098	.0129	.0095	.0104	.0102	.0099	.0097	.0091
#3	.0080	.0116	.0119	.0096	.0105	.0104	.0116	.0102	.0091
Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4388.2**	**61638.**	**16572.**
Stddev	10.9	379.	126.
%RSD	.24782	.61564	.76070
#1	4376.8	61781.	16482.
#2	4389.3	61207.	16716.
#3	4398.5	61925.	16518.

Sample Name: 0.05 Acquired: 12/9/2020 1:07:43 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0498**	**.0401**	**.0506**	**.0503**	**.0507**	**.0476**	**.1932**	W **.0617**	**.0502**	**.0505**
Stddev	.0005	.0027	.0015	.0005	.0003	.0002	.1083	.0024	.0001	.0002
%RSD	1.042	6.660	2.901	.9141	.5496	.3224	56.05	3.895	.1970	.4005
#1	.0495	.0415	.0499	.0500	.0510	.0478	.1127	.0645	.0501	.0505
#2	.0504	.0371	.0522	.0500	.0507	.0475	.3164	.0602	.0503	.0502
#3	.0494	.0419	.0495	.0508	.0504	.0475	.1506	.0605	.0503	.0506
Check ?	None	Chk Pass	None	None	None	None	None	Chk Warn	None	None
Value								.0602		
Range								.0398		

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0506**	**.0502**	**.0473**	**2.694**	**.0503**	**.0473**	**.0516**	**2.177**	**.0507**	**.0496**
Stddev	.0004	.0003	.0014	.004	.0018	.0003	.0005	.006	.0002	.0004
%RSD	.7828	.6011	3.027	.1578	3.602	.5942	.9064	.2992	.4159	.7176
#1	.0501	.0500	.0468	2.697	.0514	.0476	.0511	2.177	.0507	.0496
#2	.0508	.0500	.0462	2.689	.0482	.0470	.0516	2.184	.0505	.0492
#3	.0508	.0505	.0489	2.697	.0513	.0474	.0521	2.171	.0509	.0499
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	None	None
Value										
Range										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0492**	**.0496**	**.5408**	**.0487**	**.0513**	**.0501**	**.0498**	**.0497**	**.0518**
Stddev	.0015	.0014	.0007	.0006	.0001	.0005	.0009	.0003	.0001
%RSD	3.091	2.825	.1344	1.132	.1227	1.016	1.786	.5658	.1155
#1	.0485	.0510	.5401	.0481	.0513	.0496	.0502	.0497	.0518
#2	.0482	.0482	.5416	.0488	.0512	.0506	.0505	.0500	.0519
#3	.0510	.0495	.5407	.0492	.0512	.0501	.0488	.0495	.0517
Check ?	Chk Pass	None	Chk Pass	None	None	None	None	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4345.5**	**61262.**	**16510.**
Stddev	5.6	466.	49.
%RSD	.12996	.76124	.29708
#1	4345.2	61226.	16458.
#2	4351.2	60815.	16555.
#3	4339.9	61746.	16517.

Sample Name: ICSA Acquired: 12/9/2020 1:12:19 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**253.5**	**-.0033**	**.0022**	**.0004**	**-.0000**	**-.9412**	**239.0**	**.0026**	**-.0004**
Stddev	.0002	.5	.0004	.0004	.0001	.0000	.3287	.5	.0000	.0002
%RSD	75.85	.2064	12.16	20.33	36.56	138.1	34.93	.2114	1.573	47.53
#1	.0005	252.9	-.0037	.0022	.0005	-.0000	-.5624	238.4	.0025	-.0006
#2	.0001	253.7	-.0029	.0026	.0004	-.0001	-1.152	239.4	.0026	-.0004
#3	.0003	253.9	-.0033	.0017	.0002	.0000	-1.109	239.3	.0026	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0015**	**-.0166**	**91.31**	**-.0002**	**260.5**	**.0011**	**-.0003**	**.0333**	**-.0001**	**-.0009**
Stddev	.0002	.0001	.15	.0161	4.4	.0002	.0004	.0052	.0002	.0010
%RSD	12.12	.8773	.1637	8008.	1.676	17.85	150.5	15.59	238.9	108.3
#1	-.0013	-.0164	91.16	-.0171	257.5	.0012	-.0000	.0273	.0001	-.0021
#2	-.0016	-.0167	91.46	.0149	265.5	.0009	-.0007	.0359	-.0002	-.0003
#3	-.0016	-.0166	91.31	.0016	258.4	.0012	-.0001	.0367	-.0001	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0050**	**.0015**	**.0159**	**.0024**	F **.0132**	**.0026**	**.0013**	**.0011**	**.0015**
Stddev	.0036	.0029	.0020	.0005	.0002	.0003	.0010	.0003	.0001
%RSD	71.77	189.6	12.38	22.58	1.484	10.11	76.04	25.31	5.667
#1	.0091	.0047	.0144	.0024	.0133	.0027	.0002	.0012	.0016
#2	.0029	.0008	.0152	.0019	.0134	.0023	.0020	.0012	.0016
#3	.0029	-.0009	.0182	.0029	.0130	.0027	.0018	.0008	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.0100				
Low Limit					-.0200				

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**3928.3**	**54616.**	**15719.**
Stddev	5.6	65.	87.
%RSD	.14333	.11825	.55395
#1	3929.3	54559.	15818.
#2	3922.3	54602.	15655.
#3	3933.4	54686.	15682.

Sample Name: IPC Acquired: 12/9/2020 1:17:08 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0013**	**.0072**	**-.0040**	**.0004**	**-.0001**	**.0011**	**-.1737**	**-.0180**	**.0000**	**.0037**
Stddev	.0000	.0107	.0006	.0002	.0001	.0003	.1225	.0021	.0000	.0001
%RSD	2.680	149.4	14.03	39.57	269.3	28.69	70.53	11.52	630.7	2.685
#1	.0013	.0003	-.0033	.0003	-.0001	.0014	-.1266	-.0203	-.0000	.0037
#2	.0013	.0017	-.0042	.0006	.0001	.0011	-.0817	-.0162	-.0000	.0036
#3	.0013	.0195	-.0044	.0003	-.0002	.0008	-.3129	-.0176	.0000	.0038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.48**	**-.0028**	**.0226**	**.0219**	**-.0069**	**9.390**	**-.0004**	**-.0331**	**.0004**	**-.0007**
Stddev	.03	.0005	.0007	.0220	.0043	.021	.0001	.0021	.0000	.0011
%RSD	.2556	17.37	3.216	100.2	62.76	.2263	28.64	6.308	2.209	153.2
#1	10.49	-.0032	.0234	.0393	-.0028	9.414	-.0006	-.0336	.0004	-.0008
#2	10.45	-.0029	.0224	-.0028	-.0114	9.372	-.0004	-.0309	.0004	-.0017
#3	10.50	-.0023	.0220	.0293	-.0064	9.386	-.0003	-.0350	.0004	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0394**	**.0059**	**.0215**	**.0002**	**-.0001**	**.0023**	**-.0107**	**10.61**	**-.0019**
Stddev	.0009	.0005	.0012	.0003	.0001	.0002	.0004	.02	.0000
%RSD	2.348	8.809	5.382	131.2	67.33	8.183	3.761	.1700	2.358
#1	-.0396	.0065	.0212	-.0001	-.0002	.0021	-.0103	10.61	-.0020
#2	-.0402	.0055	.0228	.0005	-.0001	.0025	-.0111	10.59	-.0019
#3	-.0384	.0058	.0205	.0004	-.0001	.0022	-.0105	10.63	-.0019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4316.4**	**61343.**	**16548.**
Stddev	14.1	269.	65.
%RSD	.32706	.43816	.39224
#1	4317.4	61175.	16474.
#2	4301.8	61653.	16598.
#3	4330.0	61200.	16570.

Sample Name: CCV Acquired: 12/9/2020 1:21:52 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5070	.4759	.5144	.5114	.5044	.4809	.5939	.4623	.4904	.4857
Stddev	.0020	.0052	.0036	.0016	.0015	.0017	.0252	.0082	.0019	.0022
%RSD	.4011	1.095	.7032	.3144	.2938	.3626	4.248	1.771	.3865	.4478
#1	.5092	.4794	.5116	.5105	.5037	.4815	.5736	.4544	.4883	.4834
#2	.5065	.4699	.5131	.5105	.5061	.4822	.5859	.4617	.4914	.4858
#3	.5052	.4785	.5185	.5133	.5035	.4789	.6221	.4708	.4917	.4878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4907	.4907	.4642	5.363	.5273	.4527	.4646	10.65	.4921	.4892
Stddev	.0024	.0020	.0024	.038	.0072	.0021	.0084	.03	.0018	.0015
%RSD	.4939	.4063	.5229	.7062	1.359	.4538	1.811	.2514	.3579	.3067
#1	.4911	.4926	.4649	5.323	.5204	.4505	.4564	10.62	.4904	.4875
#2	.4881	.4886	.4662	5.367	.5347	.4545	.4644	10.67	.4920	.4899
#3	.4929	.4908	.4615	5.398	.5266	.4533	.4732	10.65	.4939	.4903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4968	.5131	5.255	.5026	.5004	.4896	.4984	.4829	.5066
Stddev	.0072	.0031	.014	.0022	.0015	.0014	.0022	.0013	.0019
%RSD	1.453	.6092	.2695	.4391	.3078	.2819	.4457	.2601	.3658
#1	.4887	.5127	5.239	.5001	.4993	.4910	.4965	.4833	.5048
#2	.4992	.5101	5.258	.5035	.5022	.4882	.4980	.4815	.5066
#3	.5025	.5164	5.267	.5042	.4998	.4895	.5008	.4838	.5085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	4361.1	61164.	16632.
Stddev	18.3	31.	179.
%RSD	.42030	.05000	1.0748
#1	4377.1	61145.	16823.
#2	4365.0	61148.	16468.
#3	4341.1	61199.	16607.

Sample Name: CCB Acquired: 12/9/2020 1:26:20 Type: QC
Method: Trace_7_E_200.7_SW6010_July_2020(v44) Mode: CONC Corr. Factor: 1.000000
User: BV Custom ID1: WG1442212 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158	Cd2144	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0057**	**.0001**	**.0011**	**-.0001**	**.0001**	**.0768**	**-.0067**	**.0001**	**-.0001**
Stddev	.0003	.0096	.0013	.0002	.0001	.0000	.0583	.0035	.0000	.0002
%RSD	79.94	168.6	1062.	19.85	106.8	42.83	75.87	51.88	17.67	195.5
#1	.0002	.0039	.0015	.0010	-.0002	.0001	.0947	-.0070	.0000	-.0003
#2	.0008	-.0152	-.0012	.0013	.0000	.0001	.0117	-.0031	.0000	.0001
#3	.0003	-.0058	.0001	.0009	-.0002	.0000	.1241	-.0100	.0001	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0003**	**.0033**	**.0095**	**-.0005**	**-.0003**	**.0058**	**-.0232**	**.0000**	**-.0001**
Stddev	.0002	.0002	.0001	.0253	.0022	.0004	.0012	.0061	.0002	.0003
%RSD	67.30	64.13	3.969	267.0	418.7	148.4	21.01	26.18	490.9	243.5
#1	.0006	.0005	.0034	-.0193	-.0009	-.0007	.0071	-.0296	.0000	-.0004
#2	.0002	.0001	.0032	.0282	.0018	.0000	.0056	-.0176	-.0002	-.0001
#3	.0003	.0004	.0032	.0196	-.0025	-.0001	.0047	-.0224	.0002	.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0139**	**.0018**	**.0115**	**.0033**	**.0001**	**.0009**	**-.0024**	**.0002**	**-.0008**
Stddev	.0024	.0024	.0005	.0002	.0001	.0002	.0005	.0002	.0001
%RSD	17.65	132.8	4.710	6.346	84.05	26.89	21.76	107.1	8.444
#1	.0162	.0006	.0119	.0035	.0000	.0011	-.0023	.0000	-.0009
#2	.0141	.0003	.0109	.0031	.0001	.0010	-.0020	.0002	-.0008
#3	.0113	.0045	.0118	.0033	.0002	.0006	-.0030	.0005	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	**4349.7**	**61736.**	**16406.**
Stddev	6.1	121.	99.
%RSD	.13943	.19533	.60173
#1	4352.4	61597.	16388.
#2	4342.8	61799.	16512.
#3	4354.0	61812.	16317.

QC True Values: Trace 4,5,6,7

	Element	True Value (mg/L)
ICV/CCV	All	0.50
	K	5.00
	Na	10.00
	Si	5.25
ICSA	Al	250
	Ca	250
	Fe	100
	Mg	250
ICSB	Al	9.00
	Sb	1.00
	As	1.00
	Ba	0.30
	Be	0.10
	Bi	1.00
	B	0.50
	Cd	0.30
	Ca	45.00
	Cr	0.30
	Co	0.30
	Cu	0.30
	Fe	37.50
	Pb	1.00
	Mg	22.50
	Mn	0.20
	Mo	0.30
	Ni	0.30
	K	20.00
	Se	0.50
	Si	1.23
	Ag	0.30
	Na	7.50
	Sr	1.00
	Tl	1.00
	Sn	1.00
	Ti	1.00
	V	0.30
	Zn	0.30

	Element	True Value (mg/L)
CRI	Al	0.40
	Sb	0.10
	As	0.02
	Ba	0.04
	Be	0.01
	Bi	0.02
	B	0.10
	Cd	0.01
	Ca	0.40
	Cr	0.02
	Co	0.10
	Cu	0.05
	Fe	0.20
	Pb	0.05
	Mg	0.40
	Mn	0.03
	Mo	0.10
	Ni	0.08
	K	5.00
	Se	0.02
	Si	1.00
	Ag	0.02
	Na	5.00
	Sr	0.02
	Tl	0.02
	Sn	0.02
	Ti	0.02
	V	0.10
	Zn	0.04

LCS & MS Spike Concentrations

Element	Liquid concentrations (mg/L)	Soil concentrations (mg/kg)
Al	2.00	100
Sb	0.50	25.0
As	0.12	6.0
Ba	2.00	100
Be	0.05	2.5
Bi	1.00	50.0
B	1.00	50.0
Cd	0.05	2.55
Ca	10.00	500
Cr	0.20	10.0
Co	0.50	25.0
Cu	0.25	12.5
Fe	1.00	50.0
Pb	0.51	25.5
Mg	10.00	500
Mn	0.50	25.0
Mo	1.00	50.0
Ni	0.50	25.0
K	10.00	500
Se	0.12	6.0
Si	1.00	50.0
Ag	0.05	2.5
Na	10.00	500
Sr	1.00	50.0
Tl	0.12	6.0
Sn	1.00	50.0
Ti	1.00	50.0
V	0.50	25.0
Zn	0.50	25.0

LCS and MS Spike Concentrations—As of 08/09/2011

Element	Liquid Concentration(mg/L)	Soil Concentration (mg/kg)
Al	2.00	160
Sb	0.50	40
As	0.12	9.6
Ba	2.00	160
Be	0.05	4.0
Bi	1.00	80
B	1.00	80
Cd	0.051	4.08
Ca	10.0	800
Cr	0.20	16
Co	0.50	40
Cu	0.25	20
Fe	1.00	80
Pb	0.51	40.8
Mg	10.0	800
Mn	0.50	40
Mo	1.00	80
Ni	0.50	40
K	10.0	800
Se	0.12	9.6
Si	1.00	80
Ag	0.05	24
Na	10.0	800
Sr	1.00	80
Tl	0.12	9.6
Sn	1.00	80
Ti	1.00	80
V	0.50	40
Zn	0.50	40

Revised 8/9/11 Soil spike is based on (2x water spike)x(50/1.25), where 50 is the final volume of soil digestate and 1.25 is the nominal digestion weight of 1.25g, except in the case of Ag, where additional Ag is added to the spike.

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

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▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

ISO/IEC GUIDE 34:2009 ACCREDITED REFERENCE MATERIAL PRODUCER CERTIFICATE NO. 1539.03

ISO/IEC 17025:2005 ACCREDITED CHEMICAL TESTING LABORATORY CERTIFICATE NO. 1539.02

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Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

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▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Brian Miller

Quality Officer

Matthew Seebeck

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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

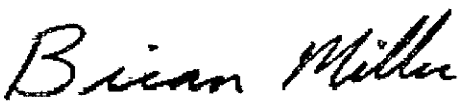
8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller



Quality Officer

Matthew Seebeck

Calculation of 6010B Metals

Aqueous Samples

The instrument will calculate the concentration (µg/L). This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = C_s \times (1\text{mg}/1000\mu\text{g}) \times (DF)$$

Where:

C_s = Concentration of sample (µg/L)

DF = Dilution Factor

Soil or Solid Samples

Soil samples are calculated as follows:

$$\text{Result, mg/Kg} = \frac{C_s \times (1\text{mg}/1000\mu\text{g}) \times (DF)}{A}$$

Where:

C_s = Concentration of sample (µg/L)

DF = Dilution Factor

$$A = \frac{\text{Sample weight (grams)}}{\text{Final Volume (mL)}}$$

Dry weight correction

Dry weight correction is calculated as follows:

$$\text{Final concentration in mg/Kg, dry weight} = \frac{\text{Result, mg/Kg}}{\%_{solids}}$$

Where:

$\%_{solids}$ = Percent Solids, as a decimal value

4	12/8/2020	7:51:21AM	Std 0	GD
5	12/8/2020	7:56:04AM	ICAL	GD
6	12/8/2020	8:00:26AM	Std Al Fe K Na Si	GD
7	12/8/2020	8:05:06AM	Std Ca Mg Si	GD
8	12/8/2020	8:09:50AM	ICV	GD
9	12/8/2020	8:14:17AM	ICB	GD
10	12/8/2020	8:19:01AM	0.005	GD
11	12/8/2020	8:25:12AM	0.01	GD
12	12/8/2020	8:29:52AM	0.05	GD
13	12/8/2020	8:34:28AM	ICSA	GD
14	12/8/2020	8:39:17AM	IPC	GD
15	12/8/2020	8:44:00AM	CCV	GD
16	12/8/2020	8:48:27AM	CCB	GD
17	12/8/2020	8:55:30AM	0.01	GD
18	12/8/2020	9:01:03AM	CCV	GD
19	12/8/2020	9:05:31AM	CCB	GD
20	12/8/2020	9:15:00AM	WG1441945-1,T	GD
21	12/8/2020	9:19:44AM	WG1441945-2,T	GD
22	12/8/2020	9:24:08AM	WG1441945-3,T	GD
23	12/8/2020	9:28:32AM	L2053436-01,T	GD
24	12/8/2020	9:33:19AM	L2053436-02,T	GD
25	12/8/2020	9:38:14AM	L2053436-03,T	GD
26	12/8/2020	9:43:00AM	L2053436-04,T	GD
27	12/8/2020	9:47:55AM	L2053436-05,T	GD
28	12/8/2020	9:52:47AM	L2053444-01,T	GD
29	12/8/2020	9:57:21AM	L2053444-02,T	GD
30	12/8/2020	10:02:13AM	CCV	GD
31	12/8/2020	10:06:41AM	CCB	GD
32	12/8/2020	10:11:25AM	WG1441972-1,C	GD
33	12/8/2020	10:16:08AM	WG1441972-2,C	GD
34	12/8/2020	10:20:33AM	L2053444-03,T	GD
35	12/8/2020	10:25:19AM	L2053444-05,T	GD
36	12/8/2020	10:29:51AM	L2053444-06,T	GD
37	12/8/2020	10:34:22AM	L2054312-01,C	GD
38	12/8/2020	10:39:02AM	WG1441972-3,C	GD
39	12/8/2020	10:43:28AM	WG1441972-4,C	GD
40	12/8/2020	10:48:08AM	WG1441972-5,C	GD
41	12/8/2020	10:52:35AM	WG1441972-6,C,5	GD
42	12/8/2020	10:57:19AM	CCV	GD
43	12/8/2020	11:01:47AM	CCB	GD
44	12/8/2020	11:06:44AM	CCV	GD
45	12/8/2020	11:11:10AM	CCB	GD
46	12/8/2020	11:15:55AM	WG1442047-1,C	GD
47	12/8/2020	11:20:41AM	WG1442047-2,C	GD
48	12/8/2020	11:25:07AM	L2054034-02,C	GD
49	12/8/2020	11:29:47AM	L2053444-07,T	GD
50	12/8/2020	11:34:32AM	L2053444-08,T	GD
51	12/8/2020	11:39:19AM	L2054034-01,C	GD
52	12/8/2020	11:44:04AM	WG1442047-3,C	GD
53	12/8/2020	11:48:38AM	WG1442047-4,C	GD
54	12/8/2020	11:53:24AM	WG1442047-5,C	GD
55	12/8/2020	11:57:57AM	WG1442047-6,C,5	GD
56	12/8/2020	12:02:38PM	CCV	GD
57	12/8/2020	12:07:05PM	CCB	GD
58	12/8/2020	12:11:50PM	L2053444-09,T	GD
59	12/8/2020	12:16:34PM	L2053444-10,T	GD
60	12/8/2020	12:21:37PM	L2053444-11,T	GD
61	12/8/2020	12:26:24PM	L2053444-12,T	GD
62	12/8/2020	12:31:11PM	L2053444-13,T	GD
63	12/8/2020	12:35:48PM	L2053444-14,T	GD
64	12/8/2020	12:40:34PM	L2053444-15,T	GD
65	12/8/2020	12:46:20PM	CCV	GD
66	12/8/2020	12:50:47PM	CCB	GD
67	12/8/2020	12:56:31PM	WG1442050-1,C	GD
68	12/8/2020	1:01:23PM	WG1442050-2,C	GD
69	12/8/2020	1:05:58PM	L2053177-01,C	GD
70	12/8/2020	1:10:44PM	L2053435-02,C	GD
71	12/8/2020	1:15:32PM	L2053435-04,C	GD
72	12/8/2020	1:20:15PM	L2053652-02,C	GD
73	12/8/2020	1:25:04PM	WG1442050-3,C	GD
74	12/8/2020	1:29:40PM	WG1442050-4,C	GD
75	12/8/2020	1:34:26PM	WG1442050-5,C	GD
76	12/8/2020	1:39:02PM	WG1442050-6,C,5	GD
77	12/8/2020	1:43:45PM	CCV	GD
78	12/8/2020	1:48:14PM	CCB	GD
79	12/8/2020	1:52:59PM	WG1442194-1,C	GD
80	12/8/2020	1:57:53PM	WG1442194-2,C	GD

REVIEWED
By dmorisseau at 9:57 am, Dec 09, 2020

81	12/8/2020	2:02:29PM	L2053215-04,C	GD
82	12/8/2020	2:07:16PM	L2053546-01,C	GD
83	12/8/2020	2:11:56PM	L2053487-01,T	GD
84	12/8/2020	2:16:35PM	L2053182-01,C	GD
85	12/8/2020	2:21:24PM	WG1442194-3,C	GD
86	12/8/2020	2:25:58PM	WG1442194-4,C	GD
87	12/8/2020	2:30:45PM	WG1442194-5,C	GD
88	12/8/2020	2:35:22PM	WG1442194-6,C,5	GD
89	12/8/2020	2:40:05PM	CCV	GD
90	12/8/2020	2:44:32PM	CCB	GD
91	12/8/2020	2:49:16PM	WG1442030-1,T	GD
92	12/8/2020	2:54:00PM	WG1442030-2,T	GD
93	12/8/2020	2:58:25PM	WG1442030-3,T	GD
94	12/8/2020	3:02:52PM	WG1442342-1,C	GD
95	12/8/2020	3:07:34PM	WG1442342-2,C	GD
96	12/8/2020	3:12:02PM	L2053640-01,C	GD
97	12/8/2020	3:16:41PM	WG1442342-3,C	GD
98	12/8/2020	3:21:09PM	WG1442342-4,C	GD
99	12/8/2020	3:25:48PM	WG1442342-5,C	GD
100	12/8/2020	3:30:14PM	WG1442342-6,C,5	GD
101	12/8/2020	3:34:56PM	CCV	GD
102	12/8/2020	3:39:22PM	CCB	GD
103	12/8/2020	3:48:57PM	Std 0	GD
104	12/8/2020	3:53:40PM	ICAL	GD
105	12/8/2020	3:58:03PM	Std Al Fe K Na Si	GD
106	12/8/2020	4:02:45PM	Std Ca Mg Si	GD
107	12/8/2020	4:07:29PM	ICV	GD
108	12/8/2020	4:11:56PM	ICB	GD
109	12/8/2020	4:28:51PM	WG1442054-1,T	GD
110	12/8/2020	4:33:35PM	WG1442054-2,T	GD
111	12/8/2020	4:38:02PM	L2053298-01,T	GD
112	12/8/2020	4:42:42PM	WG1442054-3,T	GD
113	12/8/2020	4:47:09PM	WG1442054-4,T	BV
114	12/8/2020	4:51:50PM	WG1442054-5,T	BV
115	12/8/2020	4:56:18PM	L2053118-01,T	BV
116	12/8/2020	5:01:06PM	L2053277-01,T	BV
117	12/8/2020	5:05:45PM	L2053310-01,T	BV
118	12/8/2020	5:10:26PM	WG1442054-6,T,5	BV
119	12/8/2020	5:15:10PM	CCV	BV
120	12/8/2020	5:19:37PM	CCB	BV
121	12/8/2020	6:14:06PM	CCV	BV
122	12/8/2020	6:18:34PM	CCB	BV
123	12/8/2020	6:26:33PM	L2053625-01,T	BV
124	12/8/2020	6:31:13PM	XL2053625-02,T	BV
125	12/8/2020	6:35:50PM	L2053625-03,T	BV
126	12/8/2020	6:40:37PM	L2053625-04,T	BV
127	12/8/2020	6:45:19PM	L2053625-05,T	BV
128	12/8/2020	6:50:00PM	L2053625-13,T	BV
129	12/8/2020	6:54:39PM	XL2053625-15,T	BV
130	12/8/2020	6:59:17PM	L2053625-20,T	BV
131	12/8/2020	7:03:57PM	L2053625-23,T	BV
132	12/8/2020	7:08:35PM	L2053625-28,T	BV
133	12/8/2020	7:13:14PM	CCV	BV
134	12/8/2020	7:17:42PM	CCB	BV
135	12/8/2020	7:22:27PM	L2053625-33,T	BV
136	12/8/2020	7:27:07PM	L2053625-36,T	BV
137	12/8/2020	7:31:47PM	L2053625-37,T	BV
138	12/8/2020	7:36:28PM	L2053625-41,T	BV
139	12/8/2020	7:41:17PM	L2053625-42,T	BV
140	12/8/2020	7:48:44PM	CCV	BV
141	12/8/2020	7:53:13PM	CCB	BV
142	12/8/2020	8:41:33PM	Std 0	BV
143	12/8/2020	8:46:15PM	ICAL	BV
144	12/8/2020	8:50:39PM	Std Al Fe K Na Si	BV
145	12/8/2020	8:55:20PM	Std Ca Mg Si	BV
146	12/8/2020	9:00:04PM	ICV	BV
147	12/8/2020	9:04:31PM	ICB	BV
148	12/8/2020	9:12:44PM	0.01	BV
149	12/8/2020	9:21:06PM	WG1442060-1,T	BV
150	12/8/2020	9:25:50PM	WG1442060-2,T,2	BV
151	12/8/2020	9:30:15PM	L2053308-01,T,2	BV
152	12/8/2020	9:34:49PM	WG1442060-3,T,2	BV
153	12/8/2020	9:39:15PM	WG1442060-4,T,2	BV
154	12/8/2020	9:43:49PM	WG1442060-5,T,2	BV
155	12/8/2020	9:48:16PM	L2051957-01,T,2	BV
156	12/8/2020	9:52:50PM	L2051957-02,T,2	BV
157	12/8/2020	9:57:22PM	WG1442060-6,T,10	BV
158	12/8/2020	10:02:00PM	CCV	BV
159	12/8/2020	10:06:27PM	CCB	BV
160	12/8/2020	10:11:12PM	L2052003-03,T,2	BV
161	12/8/2020	10:15:46PM	L2053096-01,T,2	BV
162	12/8/2020	10:20:19PM	L2053096-03,T,2	BV

163	12/8/2020	10:24:52PM	L2053143-04,T	BV
164	12/8/2020	10:29:30PM	L2053143-05,T	BV
165	12/8/2020	10:34:10PM	L2053189-01,T	BV
166	12/8/2020	10:38:56PM	L2053302-01,T,2	BV
167	12/8/2020	10:43:28PM	L2053308-03,T,2	BV
168	12/8/2020	10:48:02PM	L2053308-05,T,2	BV
169	12/8/2020	10:52:37PM	L2053308-07,T,2	BV
170	12/8/2020	10:57:10PM	CCV	BV
171	12/8/2020	11:01:37PM	CCB	BV
172	12/8/2020	11:06:23PM	WG1442379-1,T	BV
173	12/8/2020	11:11:08PM	WG1442379-2,T	BV
174	12/8/2020	11:15:32PM	L2053412-01,T	BV
175	12/8/2020	11:20:10PM	WG1442379-3,T	BV
176	12/8/2020	11:24:53PM	WG1442379-4,T	BV
177	12/8/2020	11:29:32PM	WG1442379-5,T	BV
178	12/8/2020	11:34:16PM	WG1442379-6,T,5	BV
179	12/8/2020	11:38:50PM	L2053412-02,T	BV
180	12/8/2020	11:43:29PM	L2053412-03,T	BV
181	12/8/2020	11:48:08PM	L2053412-04,T	BV
182	12/8/2020	11:52:53PM	CCV	BV
183	12/8/2020	11:57:20PM	CCB	BV
184	12/9/2020	12:02:05AM	L2053412-05,T	BV
185	12/9/2020	12:06:42AM	L2053412-06,T	BV
186	12/9/2020	12:11:19AM	L2053412-07,T	BV
187	12/9/2020	12:16:08AM	L2053412-08,T	BV
188	12/9/2020	12:20:48AM	L2053412-09,T	BV
189	12/9/2020	12:25:29AM	L2053412-10,T	BV
190	12/9/2020	12:30:21AM	L2053412-11,T	BV
191	12/9/2020	12:35:00AM	L2053412-12,T	BV
192	12/9/2020	12:39:46AM	L2053412-13,T	BV
193	12/9/2020	12:44:23AM	L2053412-14,T	BV
194	12/9/2020	12:49:01AM	CCV	BV
195	12/9/2020	12:53:29AM	CCB	BV
196	12/9/2020	12:58:15AM	0.005	BV
197	12/9/2020	1:02:59AM	0.01	BV
198	12/9/2020	1:07:43AM	0.05	BV
199	12/9/2020	1:12:19AM	ICSA	BV
200	12/9/2020	1:17:08AM	IPC	BV
201	12/9/2020	1:21:52AM	CCV	BV
202	12/9/2020	1:26:20AM	CCB	BV

METALS ELN REPORT

Workgroup: WG1442060

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Srm Spikelot	Use Srm For Lcs	Use Srm For	Use Srm For	Use Srm For
EPA 3050B	HCl	20310052	HNO3	20380022	METALS	METSPIKE2	IPS,FPS,MIX	METSPIKE2	IPS,FPS,MIX	D109-540	Y	76,141,251		

Additional Reagent/Std

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2051957-01 SOIL	12/08/20 16:45	Nicholas Barry	0001.296	15		12/08/20 17:26	4	94.9	12/08/20 18:38	50	
L2051957-02 SOIL	12/08/20 16:45	Nicholas Barry	0001.319	15		12/08/20 17:26	4	94.9	12/08/20 18:38	50	
L2052003-03 SOIL	12/08/20 16:45	Nicholas Barry	0001.315	15		12/08/20 17:26	4	94.9	12/08/20 18:38	50	
L2053096-01 SOIL	12/08/20 16:45	Nicholas Barry	0001.316	15		12/08/20 17:26	4	94.9	12/08/20 18:38	50	
L2053096-03 SOIL	12/08/20 16:45	Nicholas Barry	0001.304	15		12/08/20 17:26	4	94.9	12/08/20 18:38	50	
L2053143-04 SOIL	12/08/20 16:45	Nicholas Barry	0001.305	15		12/08/20 17:26	4	94.9	12/08/20 18:38	50	
L2053143-05 SOIL	12/08/20 16:45	Nicholas Barry	0001.287	15		12/08/20 17:26	4	94.9	12/08/20 18:38	50	
L2053189-01 SOIL	12/08/20 16:45	Nicholas Barry	0001.278	15		12/08/20 17:26	4	94.9	12/08/20 18:38	50	
L2053284-12	12/08/20 16:45	Nicholas Barry		15							
L2053302-01 SAMP	12/08/20 16:45	Nicholas Barry	0001.281	15		12/08/20 17:26	4	94.9	12/08/20 18:38	50	
L2053308-01 SOIL	12/08/20 16:45	Nicholas Barry	0001.315	15		12/08/20 17:26	4	94.9	12/08/20 18:38	50	
L2053308-03 SOIL	12/08/20 16:45	Nicholas Barry	0001.325	15		12/08/20 17:26	4	94.9	12/08/20 18:38	50	
L2053308-05 SOIL	12/08/20 16:45	Nicholas Barry	0001.300	15		12/08/20 17:26	4	94.9	12/08/20 18:38	50	
L2053308-07 SOIL	12/08/20 16:45	Nicholas Barry	0001.298	15		12/08/20 17:26	4	94.9	12/08/20 18:38	50	

Reported: 09-DEC-20 12:57 PM

METALS ELN REPORT

Workgroup: WG1442060

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
WG1442060-1 BLANK	12/08/20 16:45	Nicholas Barry	1.25	15		12/08/20 17:26	4	94.9	12/08/20 18:38	50	M0196A
WG1442060-2 LCS	12/08/20 16:45	Nicholas Barry	0000.388	15	0000.388	12/08/20 17:26	4	94.9	12/08/20 18:38	50	AG2046111758 RC
WG1442060-3 MS	12/08/20 16:45	Nicholas Barry	0001.301	15	1	12/08/20 17:26	4	94.9	12/08/20 18:38	50	IPS2043220927VW,FPS2046121037EW,MIX2047201302LC
WG1442060-4 DUP	12/08/20 16:45	Nicholas Barry	0001.308	15		12/08/20 17:26	4	94.9	12/08/20 18:38	50	
WG1442060-5 PS	12/08/20 16:45	Nicholas Barry	0001.315	15		12/08/20 17:26	4	94.9	12/08/20 18:38	50	
WG1442060-6 SERDIL	12/08/20 16:45	Nicholas Barry	0001.315	15		12/08/20 17:26	4	94.9	12/08/20 18:38	50	

Reagent	Actual Volume	Units
Nitric Acid (HNO3)	2	ml
Hydrochloric Acid (HCl)	3	ml

Reported: 09-DEC-20 12:57 PM

Inorganic Data
(Mercury Analysis)

Form 1
METALS

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: L2051957-01	**Date Collected**	: 11/20/20 10:15
Client ID	: SB23_0-2	**Date Received**	: 11/20/20
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 12/09/20 11:25
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: VW
Lab File ID	: WG1442760.txt	**Instrument ID**	: NIC2
Sample Amount	: 0.355g	**%Solids**	: 86
Digestion Method	: EPA 7471B	**Date Digested**	: 12/08/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	0.138	0.082	0.054	

Form 1
METALS

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: L2051957-02	**Date Collected**	: 11/20/20 10:30
Client ID	: SB23_5-6	**Date Received**	: 11/20/20
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 12/09/20 11:29
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: VW
Lab File ID	: WG1442760.txt	**Instrument ID**	: NIC2
Sample Amount	: 0.359g	**%Solids**	: 84
Digestion Method	: EPA 7471B	**Date Digested**	: 12/08/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	0.152	0.083	0.054	

Form 1
METALS

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: WG1442062-1	**Date Collected**	: NA
Client ID	: WG1442062-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/09/20 10:59
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: VW
Lab File ID	: WG1442760.txt	**Instrument ID**	: NIC2
Sample Amount	: 0.3g	**%Solids**	: NA
Digestion Method	: EPA 7471B	**Date Digested**	: 12/08/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.083	0.054	U

Form 1
METALS

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: WG1442062-4	**Date Collected**	: 12/01/20 09:40
Client ID	: WG1442062-4 DUP	**Date Received**	: 12/01/20
Sample Location	:	**Date Analyzed**	: 12/09/20 11:19
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: VW
Lab File ID	: WG1442760.txt	**Instrument ID**	: NIC2
Sample Amount	: 0.35g	**%Solids**	: 85
Digestion Method	: EPA 7471B	**Date Digested**	: 12/08/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.084	0.055	U

Form 2A
Initial and Continuing Calibration Verification

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: NIC2	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1380665-1			R1380665-3			R1380665-5		R1380665-7	
Date Analyzed :	12/09/20 08:57			12/09/20 09:46			12/09/20 10:26		12/09/20 11:09	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Mercury	0.00300	0.0029	97	0.0100	0.0103	103	0.0101	101	0.0102	102

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	85-115%	(Method 1631)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Methods 200.8, 1631)
	80-120%	(Methods 7470, 7471)

Form 2A
Initial and Continuing Calibration Verification

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: NIC2	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1380665-9						
Date Analyzed :				12/09/20 11:48						
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Mercury				0.0100	0.0100	100				

Acceptance Criteria:

ICV:	**95-105%**	**(Methods 200.7, 245.1)**
	90-110%	**(Methods 200.8, 6010, 6020, 7470, 7471, 7474)**
	85-115%	**(Method 1631)**
CCV:	**90-110%**	**(Methods 200.7, 245.1, 6010, 6020, 7474)**
	85-115%	**(Methods 200.8, 1631)**
	80-120%	**(Methods 7470, 7471)**

Form 3
Blanks

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: NIC2		

		Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID	:	R1380665-2		R1380665-4		R1380665-6		R1380665-8		WG1442062-1	
Date Analyzed	:	12/09/20 09:10		12/09/20 09:50		12/09/20 10:29		12/09/20 11:12		12/09/20 10:59	
Parameter		mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	mg/kg	Q
Mercury		0.000326	U	0.000326	U	0.000326	U	0.000326	U	0.054	U

Form 3
Blanks

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: NIC2		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1380665-10							
Date Analyzed :			12/09/20 11:52							
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Mercury			0.000326	U						

Form 5a
Matrix Spike

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: L2053308-01		
Matrix Spike	: WG1442062-3	**MS Analysis Date**	: 12/09/20 11:15
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Mercury, Total	ND	0.15	0.169	113					80-120	20

Form 6
Lab Duplicates

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: NA	**Analysis Date**	: 12/09/20 11:05
Dup Sample ID	: WG1442062-4	**DUP Analysis Date**	: 12/09/20 11:19

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Mercury, Total	ND	ND	NC	20

Form 7
Laboratory Control Sample

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: WG1442062-2	**LCS Analysis Date**	: 12/09/20 11:02
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/kg)**	**Found (mg/kg)**	**%R**	**True (mg/kg)**	**Found (mg/kg)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Mercury, Total	**20.5**	**19.6**	**96.**					**60-140**	**20**

Form 12
Preparation Log

Client	:	**Langan Engineering & Environmental**	**Lab Number**	:	**L2051957**
Project Name	:	**266-270 W. 96TH STREET**	**Project Number**	:	**170432001**
Matrix	:	**SOIL**	**Prep Method**	:	**EPA 7471B**

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2051957-01	12/08/20 16:46	0.36	-
L2051957-02	12/08/20 16:46	0.36	-
WG1442062-1	12/08/20 16:46	0.30	-
WG1442062-2	12/08/20 16:46	0.16	-
WG1442062-3	12/08/20 16:46	0.39	-
WG1442062-4	12/08/20 16:46	0.35	-

Form 13
Analysis Run Log

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Instrument ID	: NIC2	**Analysis Method**	: 1,7471B
Start Date	: 12/09/20 08:57	**End Date**	: 12/09/20 11:52

Sample Number	Dilution Factor	Analysis Time	Mercury, Total
R1380665-1 ICV	1	08:57:24	X
R1380665-2 ICB	1	09:10:19	X
R1380665-3 CCV	1	09:46:54	X
R1380665-4 CCB	1	09:50:14	X
R1380665-5 CCV	1	10:26:34	X
R1380665-6 CCB	1	10:29:54	X
WG1442062-1 BLANK	1	10:59:18	X
WG1442062-2 LCS	5	11:02:37	X
R1380665-7 CCV	1	11:09:11	X
R1380665-8 CCB	1	11:12:30	X
WG1442062-3 MS	1	11:15:48	X
WG1442062-4 DUP	1	11:19:07	X
L2051957-01	1	11:25:43	X
L2051957-02	1	11:29:01	X
R1380665-9 CCV	1	11:48:49	X
R1380665-10 CCB	1	11:52:07	X

Date Created: 03/19/18
Created By: Jason Hebert
File: PM4631-1
Page: 1

MERCURY by 7470A, 245.1 (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.0002	0.0000915	mg/l	80-120	20	75-125	20	20		28 days	1 - Plastic 500ml HNO3 preserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 03/19/18
Created By: Jason Hebert
File: PM4631-1
Page: 1

MERCURY by 7470A, 245.1 (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.0002	0.0000915	mg/l	80-120	20	75-125	20	20		28 days	1 - Plastic 500ml HNO3 preserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 11/04/16
Created By: Jason Hebert
File: PM2962-1
Page: 1

METALS by 7471B (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.0800	0.0169	mg/kg	72-128		80-120	20	20		28 days	1 - Metals Only - Glass 60mL/2oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Title :
Date : 12/9/2020
Name :

REVIEWED
By dmorisseau at 1:16 pm, Dec 09, 2020

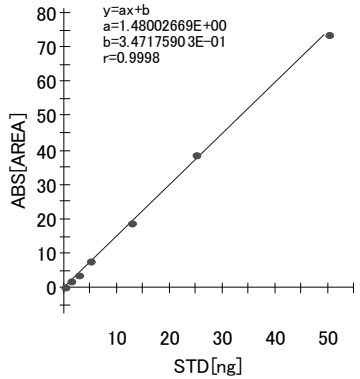
Method

STD
HONH3Cl : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

SMP
HONH3Cl : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

Measurement Time(sec) : 120sec

Calib



STD

No.	STD [ug/L]	SVOL [mL]	CVOL [mL]	DVOL [mL]	STD [ng]	AREA [ON]	MEAS [ng]	Dev [%]	M. TIME	Note
1	0.000	2.500	2.500	2.500	0.000	0.2678	-0.0536	-	08:34	VW,NIC2
2	0.500	2.500	2.500	2.500	1.250	1.9959	1.1140	10.9	08:37	VW,NIC2
3	1.000	2.500	2.500	2.500	2.500	3.7416	2.2935	8.3	08:40	VW,NIC2
4	2.000	2.500	2.500	2.500	5.000	7.5518	4.8679	2.6	08:44	VW,NIC2
5	5.000	2.500	2.500	2.500	12.500	19.091	12.6646	1.3	08:47	VW,NIC2
6	10.000	2.500	2.500	2.500	25.000	38.466	25.7558	3.0	08:50	VW,NIC2
7	20.000	2.500	2.500	2.500	50.000	73.768	49.6079	0.8	08:54	VW,NIC2

SMP

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
1	ICV	2.500	2.500	2.500	11.1072	7.2702	2.908	-	08:57	VW,NIC2
2	ICB	2.500	2.500	2.500	0.2655	-0.0552	-0.022	-	09:10	VW,NIC2
3	0.5 PPB	2.500	2.500	2.500	1.9371	1.0743	0.430	-	09:13	VW,NIC2
4	WG1442350-1 T	2.500	2.500	2.500	0.0666	-0.1896	-0.076	-	09:16	VW,NIC2
5	WG1442350-2 T 5X	2.500	2.500	0.500	31.3658	20.9582	41.916	-	09:20	VW,NIC2

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
6	WG1442350-3 T 5X	2.500	2.500	0.500	28.8002	19.2247	38.449	-	09:23	VW,NIC2
7	L2053186-01 T	2.500	2.500	2.500	3.8169	2.3444	0.938	-	09:26	VW,NIC2
8	L2053186-02 T	2.500	2.500	2.500	1.3859	0.7018	0.281	-	09:30	VW,NIC2
9	WG1442407-1 T	2.500	2.500	2.500	0.3711	0.0162	0.006	-	09:33	VW,NIC2
10	WG1442407-2 T 5X	2.500	2.500	0.500	42.1611	28.2521	56.504	-	09:36	VW,NIC2
11	L2053844-10 T	2.500	2.500	2.500	0.9167	0.3848	0.154	-	09:40	VW,NIC2
12	WG1442407-3 T	2.500	2.500	2.500	4.4432	2.7675	1.107	-	09:43	VW,NIC2
13	Check STD(10ug/L)	2.500	2.500	2.500	38.2955	25.6403	10.256	102.6	09:46	VW,NIC2
14	Check Blank	2.500	2.500	2.500	0.2900	-0.0386	-0.015	-	09:50	VW,NIC2
15	WG1442407-4 T	2.500	2.500	2.500	4.0054	2.4717	0.989	-	09:53	VW,NIC2
16	PS 3844-10 T	2.500	2.500	2.500	39.4903	26.4476	10.579	-	09:56	VW,NIC2
17	L2053844-01 T	2.500	2.500	2.500	3.6615	2.2394	0.896	-	10:00	VW,NIC2
18	L2053844-02 T	2.500	2.500	2.500	14.2680	9.4058	3.762	-	10:03	VW,NIC2
19	I2053844-03 T	2.500	2.500	2.500	5.7264	3.6345	1.454	-	10:06	VW,NIC2
20	L2053844-04 T	2.500	2.500	2.500	1.1320	0.5303	0.212	-	10:10	VW,NIC2
21	L2053844-05 T	2.500	2.500	2.500	1.2047	0.5794	0.232	-	10:13	VW,NIC2
22	L2053844-07 T	2.500	2.500	2.500	4.9725	3.1252	1.250	-	10:16	VW,NIC2
23	L2053844-08 T	2.500	2.500	2.500	0.3665	0.0131	0.005	-	10:19	VW,NIC2
24	L2053844-09 T	2.500	2.500	2.500	5.7333	3.6392	1.456	-	10:23	VW,NIC2
25	Check STD(10ug/L)	2.500	2.500	2.500	37.8551	25.3427	10.137	101.4	10:26	VW,NIC2
26	Check Blank	2.500	2.500	2.500	0.2826	-0.0436	-0.017	-	10:29	VW,NIC2
27	L2053844-12 T	2.500	2.500	2.500	0.3483	0.0008	0.000	-	10:39	VW,NIC2
28	L2053844-13 T	2.500	2.500	2.500	8.7055	5.6474	2.259	-	10:42	VW,NIC2
29	L2053844-14 T	2.500	2.500	2.500	1.1126	0.5172	0.207	-	10:46	VW,NIC2
30	L2053844-15 T	2.500	2.500	2.500	8.3606	5.4144	2.166	-	10:49	VW,NIC2
31	L2053844-16 T	2.500	2.500	2.500	0.2271	-0.0811	-0.032	-	10:52	VW,NIC2
32	L2053844-17 T	2.500	2.500	2.500	17.8202	11.8059	4.722	-	10:56	VW,NIC2
33	WG1442062-1 T	2.500	2.500	2.500	0.0978	-0.1685	-0.067	-	10:59	VW,NIC2
34	WG1442062-2 T 5X	2.500	2.500	0.500	46.1275	30.9321	61.864	-	11:02	VW,NIC2
35	L2053308-01 T	2.500	2.500	2.500	0.8497	0.3395	0.136	-	11:05	VW,NIC2
36	Check STD(10ug/L)	2.500	2.500	2.500	38.0876	25.4998	10.200	102.0	11:09	VW,NIC2
37	Check Blank	2.500	2.500	2.500	0.2843	-0.0425	-0.017	-	11:12	VW,NIC2

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
38	WG1442062-3 T	2.500	2.500	2.500	4.5304	2.8265	1.131	-	11:15	VW,NIC2
39	WG1442062-4 T	2.500	2.500	2.500	0.8008	0.3065	0.123	-	11:19	VW,NIC2
40	PS 3308-01 T	2.500	2.500	2.500	38.9401	26.0758	10.430	-	11:22	VW,NIC2
41	L2051957-01 T	2.500	2.500	2.500	3.4576	2.1016	0.841	-	11:25	VW,NIC2
42	L2051957-02 T	2.500	2.500	2.500	3.7283	2.2845	0.914	-	11:29	VW,NIC2
43	L2052003-03 T	2.500	2.500	2.500	3.6726	2.2469	0.899	-	11:32	VW,NIC2
44	L2053096-01 T	2.500	2.500	2.500	0.4941	0.0993	0.040	-	11:35	VW,NIC2
45	L2053096-03 T	2.500	2.500	2.500	0.7915	0.3002	0.120	-	11:38	VW,NIC2
46	L2053143-04 T	2.500	2.500	2.500	1.6817	0.9017	0.361	-	11:42	VW,NIC2
47	L2053143-05 T	2.500	2.500	2.500	2.4806	1.4415	0.577	-	11:45	VW,NIC2
48	Check STD(10ug/L)	2.500	2.500	2.500	37.2398	24.9270	9.971	99.7	11:48	VW,NIC2
49	Check Blank	2.500	2.500	2.500	0.2867	-0.0409	-0.016	-	11:52	VW,NIC2
50	L2053189-01 T	2.500	2.500	2.500	1.8451	1.0121	0.405	-	12:00	VW,NIC2
51	L2053308-03 T	2.500	2.500	2.500	0.4371	0.0608	0.024	-	12:03	VW,NIC2
52	L2053308-05 T	2.500	2.500	2.500	2.7700	1.6370	0.655	-	12:06	VW,NIC2
53	L2053308-07 T	2.500	2.500	2.500	2.6264	1.5400	0.616	-	12:09	VW,NIC2
54	L2053844-11 T 10X	2.500	2.500	0.250	33.0732	22.1118	88.447	-	12:13	VW,NIC2
55	Check STD(10ug/L)	2.500	2.500	2.500	35.7741	23.9367	9.575	95.8	12:33	VW,NIC2
56	Check Blank	2.500	2.500	2.500	0.1381	-0.1413	-0.057	-	12:36	VW,NIC2

Self Check

MERCURY TRUE VALUE CRITERIA

ICV	3 ug/l
LCSW	1 ug/l
MS	1 ug/l
CCV	5 ug/l

As of 6/1/13, Mercury True Value criteria is as follows:

ICV	3 ug/l
LCSW	1 ug/l
MS(aq)	5 ug/l
MS(soil)	1 ug/l
CCV	10 ug/l

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

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Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

ISO/IEC GUIDE 34:2009 ACCREDITED REFERENCE MATERIAL PRODUCER CERTIFICATE NO. 1539.03

ISO/IEC 17025:2005 ACCREDITED CHEMICAL TESTING LABORATORY CERTIFICATE NO. 1539.02

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Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

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Reference Material

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Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Brian Miller

Quality Officer

Matthew Seebeck

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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

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▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

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▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

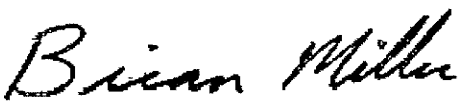
8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller



Quality Officer

Matthew Seebeck

Calculation of 7470A Mercury

Calculate Mercury concentration from the daily calibration curve. The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations
C = Sample/Standard Concentration, µg/L
k1 = y-intercept
k2 = slope

The instrument will plot peak height against concentration (µg/L). The result is generated in µg/L . This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

Result, mg/L = (concentration, µg/L) x (1mg/1000µg) x (DF)

Calculation of 7471B Mercury

Calculate Mercury concentration from the daily calibration curve. The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations
C = Sample/Standard Concentration, µg/L
k1 = y-intercept
k2 = slope

The instrument will plot peak height against concentration (µg/L). The result is generated in µg/L . This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

Result, mg/L = (concentration, µg/L) x (1mg/1000µg) x (DF)

The result in mg/kg is calculated on a dry weight basis using the sample weight digested(Wt), the final volume of the digestate(FV), and the percent total solids(%TS).

Result, mg/kg, wet = ((result, mg/L) x (FV)) /Wt

Result, mg/kg, dry wt = (Result, mg/kg wet)/(%TS)

NIC2
12/09/20A
partial

REVIEWED
By dmorisseau at 1:16 pm, Dec 09, 2020

No.	Sample No.	NAME
1	1	STD
2	2	STD
3	3	STD
4	4	STD
5	5	STD
6	6	STD
7	7	STD
1	8	ICV
2	9	ICB
3	10	0.5 PPB
4	11	WG1442350-1 T
5	12	WG1442350-2 T 5X
6	13	WG1442350-3 T 5X
7	14	L2053186-01 T
8	15	L2053186-02 T
9	16	WG1442407-1 T
10	17	WG1442407-2 T 5X
11	18	L2053844-10 T
12	19	WG1442407-3 T
13	20	Check STD(10ug/L)
14	21	Check Blank
15	22	WG1442407-4 T
16	23	PS 3844-10 T
17	24	L2053844-01 T
18	25	L2053844-02 T
19	26	l2053844-03 T
20	27	L2053844-04 T
21	28	L2053844-05 T
22	29	L2053844-07 T
23	30	L2053844-08 T
24	31	L2053844-09 T
25	32	Check STD(10ug/L)
26	33	Check Blank
27	35	L2053844-12 T
28	36	L2053844-13 T
29	37	L2053844-14 T
30	38	L2053844-15 T
31	39	L2053844-16 T
32	40	L2053844-17 T
33	41	WG1442062-1 T
34	42	WG1442062-2 T 5X
35	43	L2053308-01 T
36	44	Check STD(10ug/L)
37	45	Check Blank
38	46	WG1442062-3 T
39	47	WG1442062-4 T

40	48	PS 3308-01 T
41	49	L2051957-01 T
42	50	L2051957-02 T
43	51	L2052003-03 T
44	52	L2053096-01 T
45	53	L2053096-03 T
46	54	L2053143-04 T
47	55	L2053143-05 T
48	56	Check STD(10ug/L)
49	57	Check Blank
50	58	L2053189-01 T
51	59	L2053308-03 T
52	60	L2053308-05 T
53	61	L2053308-07 T
54	62	L2053844-11 T 10X
55	63	Check STD(10ug/L)
56	64	Check Blank

METALS ELN REPORT

Workgroup: WG1442062

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Srm Spikelot	Use Srm For Lcs	Pipette Id
EPA 7471B	Aqua Regia	AR20500817 30NB	METALS	METSPIKE	HG20500809 32LC	METSPIKE	HG20500809 32LC	D109-540	Y	142,241

Additional Reagent/Std	KMnO4	PP2050071543LC
	NaCl-NH2OH.HCl	HH2048271555VW

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2051957-01 SOIL	12/08/20 16:46	Nicholas Barry	0000.355	15		12/08/20 17:31	3	94.9	12/08/20 18:11	50	
L2051957-02 SOIL	12/08/20 16:46	Nicholas Barry	0000.359	15		12/08/20 17:31	3	94.9	12/08/20 18:11	50	
L2052003-03 SOIL	12/08/20 16:46	Nicholas Barry	0000.387	15		12/08/20 17:31	3	94.9	12/08/20 18:11	50	
L2053096-01 SOIL	12/08/20 16:46	Nicholas Barry	0000.382	15		12/08/20 17:31	3	94.9	12/08/20 18:11	50	
L2053096-03 SOIL	12/08/20 16:46	Nicholas Barry	0000.389	15		12/08/20 17:31	3	94.9	12/08/20 18:11	50	
L2053143-04 SOIL	12/08/20 16:46	Nicholas Barry	0000.367	15		12/08/20 17:31	3	94.9	12/08/20 18:11	50	
L2053143-05 SOIL	12/08/20 16:46	Nicholas Barry	0000.360	15		12/08/20 17:31	3	94.9	12/08/20 18:11	50	
L2053189-01 SOIL	12/08/20 16:46	Nicholas Barry	0000.388	15		12/08/20 17:31	3	94.9	12/08/20 18:11	50	
L2053284-12	12/08/20 16:46	Nicholas Barry		15							
L2053308-01 SOIL	12/08/20 16:46	Nicholas Barry	0000.398	15		12/08/20 17:31	3	94.9	12/08/20 18:11	50	
L2053308-03 SOIL	12/08/20 16:46	Nicholas Barry	0000.381	15		12/08/20 17:31	3	94.9	12/08/20 18:11	50	
L2053308-05 SOIL	12/08/20 16:46	Nicholas Barry	0000.368	15		12/08/20 17:31	3	94.9	12/08/20 18:11	50	
L2053308-07 SOIL	12/08/20 16:46	Nicholas Barry	0000.398	15		12/08/20 17:31	3	94.9	12/08/20 18:11	50	

Reported: 09-DEC-20 01:23 PM

METALS ELN REPORT

Workgroup: WG1442062

Sample/ Type	Digestion Date	Analyst	Sample Weight g	Balance Id	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
WG1442062-1 BLANK	12/08/20 16:46	Nicholas Barry	.300	15		12/08/20 17:31	3	94.9	12/08/20 18:11	50	
WG1442062-2 LCS	12/08/20 16:46	Nicholas Barry	0000.158	15	0000.158	12/08/20 17:31	3	94.9	12/08/20 18:11	50	
WG1442062-3 MS	12/08/20 16:46	Nicholas Barry	0000.393	15	.5	12/08/20 17:31	3	94.9	12/08/20 18:11	50	
WG1442062-4 DUP	12/08/20 16:46	Nicholas Barry	0000.350	15		12/08/20 17:31	3	94.9	12/08/20 18:11	50	

Reagent	Actual Volume	Units
Aqua Regia	2.5	ml
Potassium Permanganat	7.5	ml
NaCl-Hydroxylamine Hy	3	ml

Reported: 09-DEC-20 01:23 PM

Trivalent Chromium Analysis

Results

Form 1
METALS

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: L2051957-01	**Date Collected**	: 11/20/20 10:15
Client ID	: SB23_0-2	**Date Received**	: 11/20/20
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 12/08/20 21:48
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	:
Lab File ID	: --	**Instrument ID**	:
Sample Amount	:	**%Solids**	: 86
Digestion Method	:	**Date Digested**	:

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16065-83-1	Chromium, Trivalent	19	0.93	0.93	

Form 1
METALS

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: L2051957-02	**Date Collected**	: 11/20/20 10:30
Client ID	: SB23_5-6	**Date Received**	: 11/20/20
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 12/08/20 21:52
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	:
Lab File ID	: --	**Instrument ID**	:
Sample Amount	:	**%Solids**	: 84
Digestion Method	:	**Date Digested**	:

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16065-83-1	Chromium, Trivalent	18	0.96	0.96	

Calculations of Trivalent Chromium

Calculate the concentration value based on results for Total Chromium and Hexavalent Chromium.

Aqueous samples:

$mgCr^{+3}/L = \text{Total Cr (mg/l)} - Cr^{+6}\ (mg/l)$

Soil samples:

$mgCr^{+3}/Kg = \text{Total Cr (mg/Kg)} - Cr^{+6}\ (mg/Kg)$

Wet Chemistry

Cyanide Analysis

Results

Form 1
WETCHEM

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: L2051957-01	**Date Collected**	: 11/20/20 10:15
Client ID	: SB23_0-2	**Date Received**	: 11/20/20
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 12/03/20 17:43
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,9010C/9012B	**Analyst**	: CR
Lab File ID	: TCN120320-D	**Instrument ID**	: LACHAT
Sample Amount	: 1.0251g	**%Solids**	: 86
Digestion Method	:	**Date Digested**	: 12/03/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-12-5	Cyanide, Total	ND	1.1	0.24	U

Form 1
WETCHEM

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: L2051957-02	**Date Collected**	: 11/20/20 10:30
Client ID	: SB23_5-6	**Date Received**	: 11/20/20
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 12/03/20 17:46
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,9010C/9012B	**Analyst**	: CR
Lab File ID	: TCN120320-D	**Instrument ID**	: LACHAT
Sample Amount	: 1.0077g	**%Solids**	: 84
Digestion Method	:	**Date Digested**	: 12/03/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-12-5	Cyanide, Total	ND	1.2	0.25	U

Form 1
WETCHEM

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: WG1440686-1	**Date Collected**	: NA
Client ID	: WG1440686-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/03/20 17:24
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,9010C/9012B	**Analyst**	: CR
Lab File ID	: TCN120320-D	**Instrument ID**	: LACHAT
Sample Amount	: 1.0004g	**%Solids**	: NA
Digestion Method	:	**Date Digested**	: 12/03/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-12-5	Cyanide, Total	ND	1.0	0.21	U

Sample Raw Data

Author: CRONDEAU Date : 12/3/2020

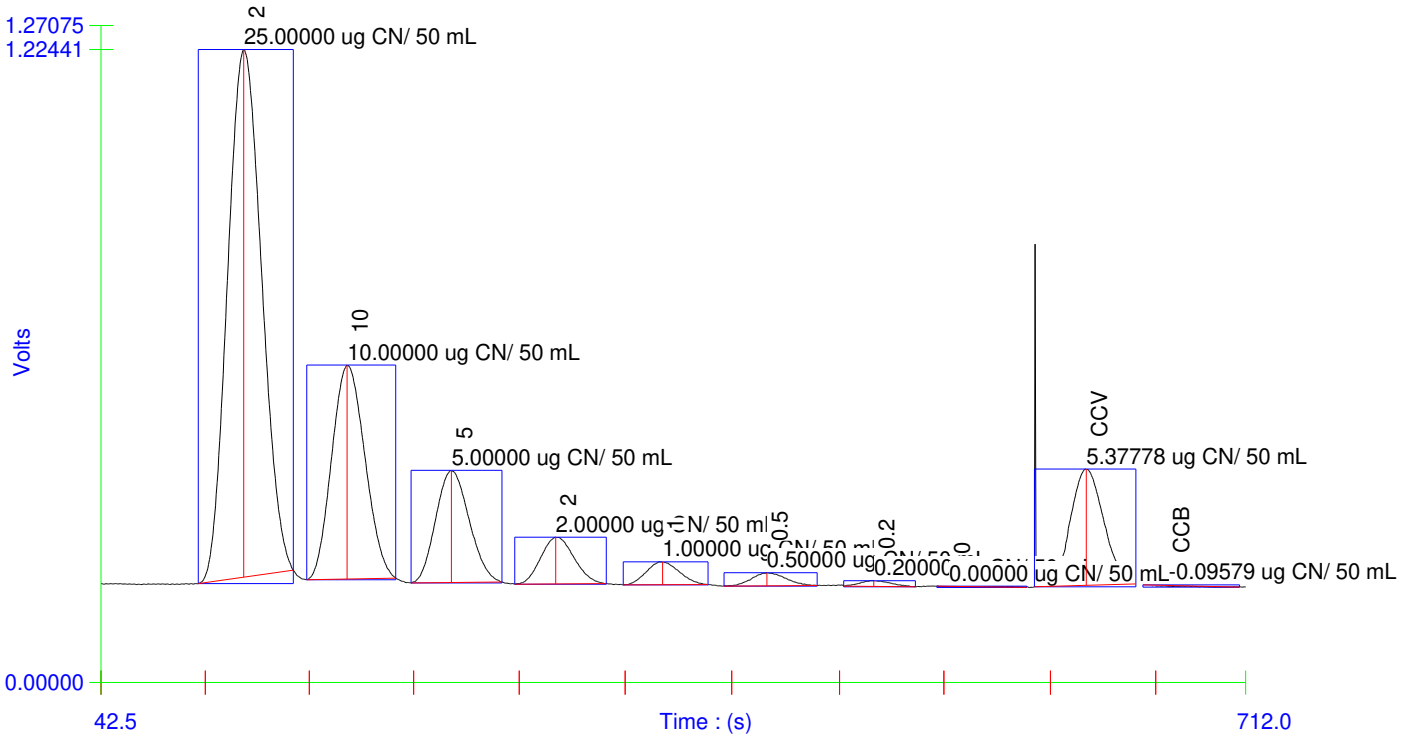
Original Run Filename: OM_12-3-2020_02-57-53PM.OMN Created: 12/3/2020 2:57:53 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_12-3-2020_02-57-53PM.OMN Last Modified: 12/3/2020 4:13:32 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: 10-204-00-1-A

Sample	Rep.	Cup No.	Channel 1 Cyanide (ug CN/ 50 mL)	MDF	Weight	
25	1	S1	25.00000			
10	1	S2	10.00000			
5	1	S3	5.00000			
2	1	S4	2.00000			
1	1	S5	1.00000			
0.5	1	S6	0.50000			
0.2	1	S7	0.20000			
0	1	S8	0.00000			
CCV	1	S3	5.37778			
	Known Conc:		0.10000			
	Calibration:		Table/Fig. : 1			
CCB	1	S8	-0.09579			
	Known Conc:		0.00000			
ICV 0.1	1	1	0.10379		50.00000 g	
ICB	1	2	-0.00233		50.00000 g	
WG1440330-1; BLK	1	3	0.00100		50.00000 g	
WG1440330-2; LCS	1	4	0.10835		50.00000 g	108%
LCS HI	1	5	0.21479		50.00000 g	107%
L2051782-02	1	6	0.05628		50.00000 g	
L2051931-01	1	7	-0.00029		50.00000 g	
L2051931-02	1	8	0.00030		50.00000 g	
L2052176-01	1	9	0.00045		50.00000 g	
L2052176-02	1	10	0.00129		50.00000 g	
CCV	1	S3	5.05303			
	Known Conc:		0.10000			
CCB	1	S8	-0.11288			
	Known Conc:		0.00000			
L2052176-03	1	11	0.00990		50.00000 g	
L2052176-04	1	12	0.00180		50.00000 g	
L2052176-05	1	13	7.67948e-5		50.00000 g	
L2052216-01	1	14	-0.00015		50.00000 g	
L2052216-02	1	15	0.00061		50.00000 g	
L2052408-02	1	16	-0.00016		50.00000 g	
WG1440330-3; DUP	1	17	0.00042		50.00000 g	
L2052408-04	1	18	0.00053		50.00000 g	
WG1440330-4; MS	1	19	0.18607		50.00000 g	93%
L2052459-01	1	20	-0.00155		50.00000 g	
CCV	1	S3	5.06465			
	Known Conc:		0.10000			
CCB	1	S8	-0.08050			
	Known Conc:		0.00000			
L2052459-02	1	21	0.00020		50.00000 g	
L2052562-01	1	22	0.00360		50.00000 g	
WG1440437-1; BLK	1	23	0.00069		50.00000 g	
WG1440437-2; LCS	1	24	0.10388		50.00000 g	104%
WG1440437-3; LCSD	1	25	0.10678		50.00000 g	107%
WG1440436-1; BLK	1	26	-0.00147		50.00000 g	
WG1440436-2; LCS	1	27	0.10195		50.00000 g	102%
WG1440436-3; LCSD	1	28	0.10564		50.00000 g	106%
LCS HI	1	29	0.19835		50.00000 g	99%
~~L2051976-01~~	~~1~~	~~30~~	~~-0.00336~~		~~50.00000 g~~	
CCV	1	S3	5.06910			
	Known Conc:		0.10000			
CCB	1	S8	-0.20636			
	Known Conc:		0.00000			
WG1440436-4; MS	1	31	0.18171		50.00000 g	91%
WG1440436-5; MSD	1	32	0.18360		50.00000 g	92%
L2051976-02	1	33	-0.00305		50.00000 g	
DI	1	34	0.00021		50.00000 g	

TRAY 1 CR

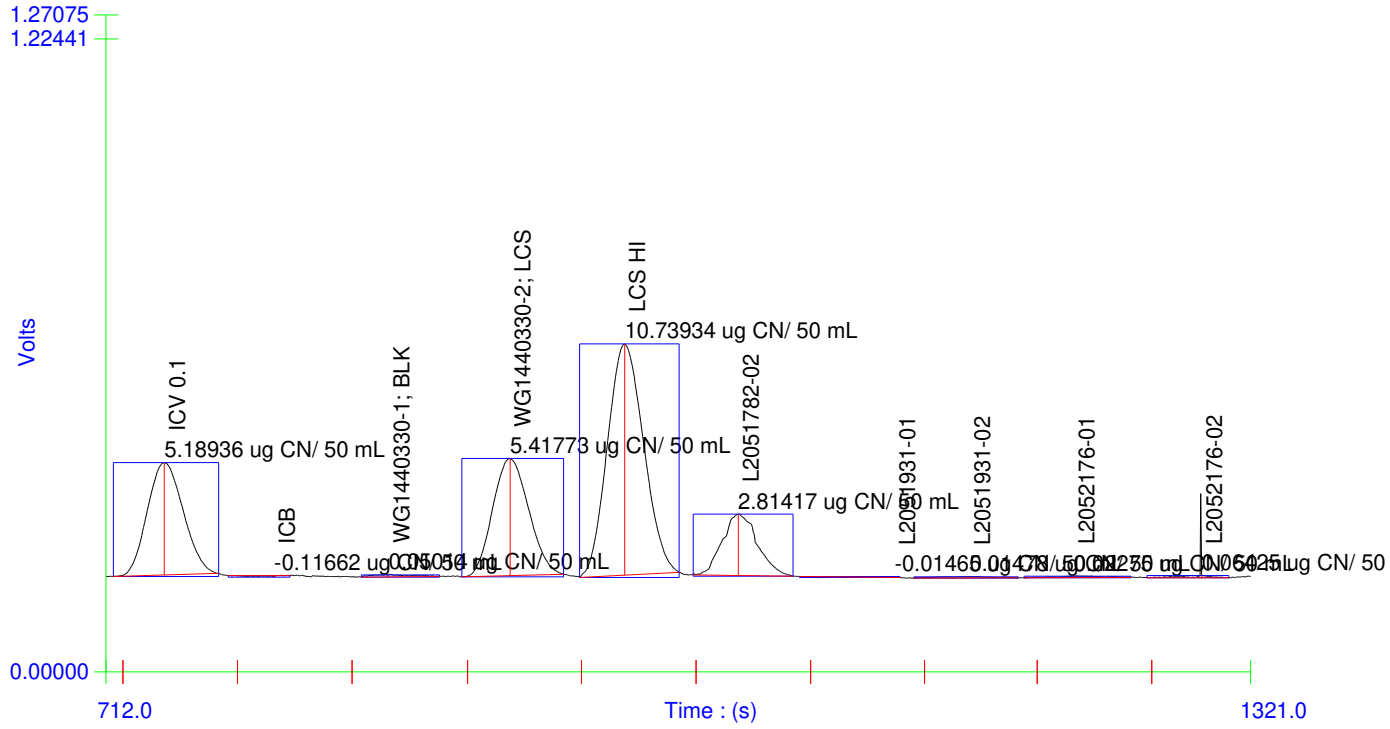
DI	1	35	0.00900		50.00000 g	
L2051976-03	1	36	0.00029		50.00000 g	
L2051976-04	1	37	0.00091		50.00000 g	
L2051976-05	1	38	0.00183		50.00000 g	
L2051976-06	1	39	9.45583e-5		50.00000 g	
DI	1	40	0.00126		50.00000 g	
CCV	1	S3	5.21750			
	Known Conc:		0.10000			
CCB	1	S8	-0.07248			
	Known Conc:		0.00000			
L2051976-08	1	41	0.00012		50.00000 g	
DI	1	42	0.00074		50.00000 g	
L2051976-10	1	43	0.00123		50.00000 g	
L2051976-11	1	44	-5.85075e-5		50.00000 g	
L2051976-12	1	45	0.00037		50.00000 g	
L2051976-13	1	46	0.00073		50.00000 g	
L2052254-01	1	47	0.00047		50.00000 g	
WG1440437-4; MS	1	48	0.20603		50.00000 g	103%
WG1440437-5; MSD	1	49	0.21179		50.00000 g	106%
L2052254-02	1	50	-0.00307		50.00000 g	
CCV	1	S3	5.26242			
	Known Conc:		0.10000			
CCB	1	S8	-0.27582			
	Known Conc:		0.00000			

Channel 1 (Cyanide) - Set: 1 / 7

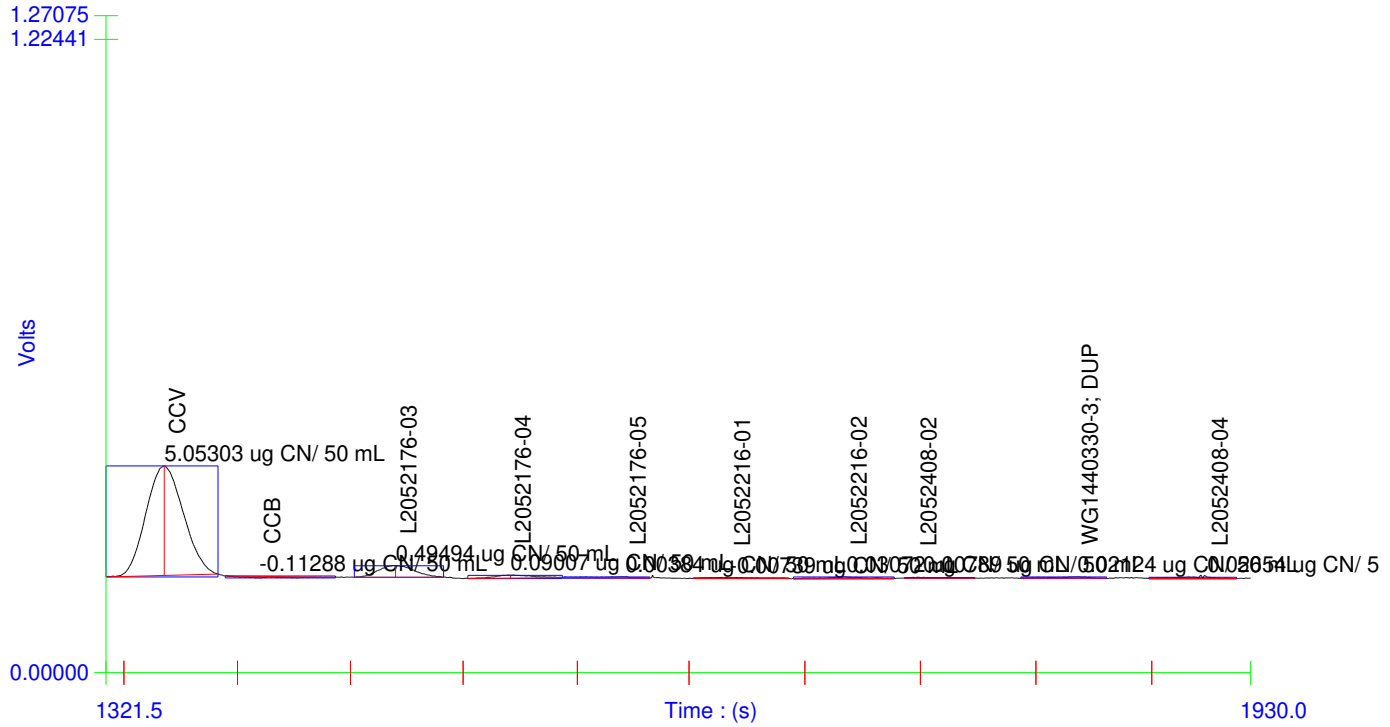


Author: CRONDEAU Date : 12/3/2020

Channel 1 (Cyanide) - Set: 2 / 7

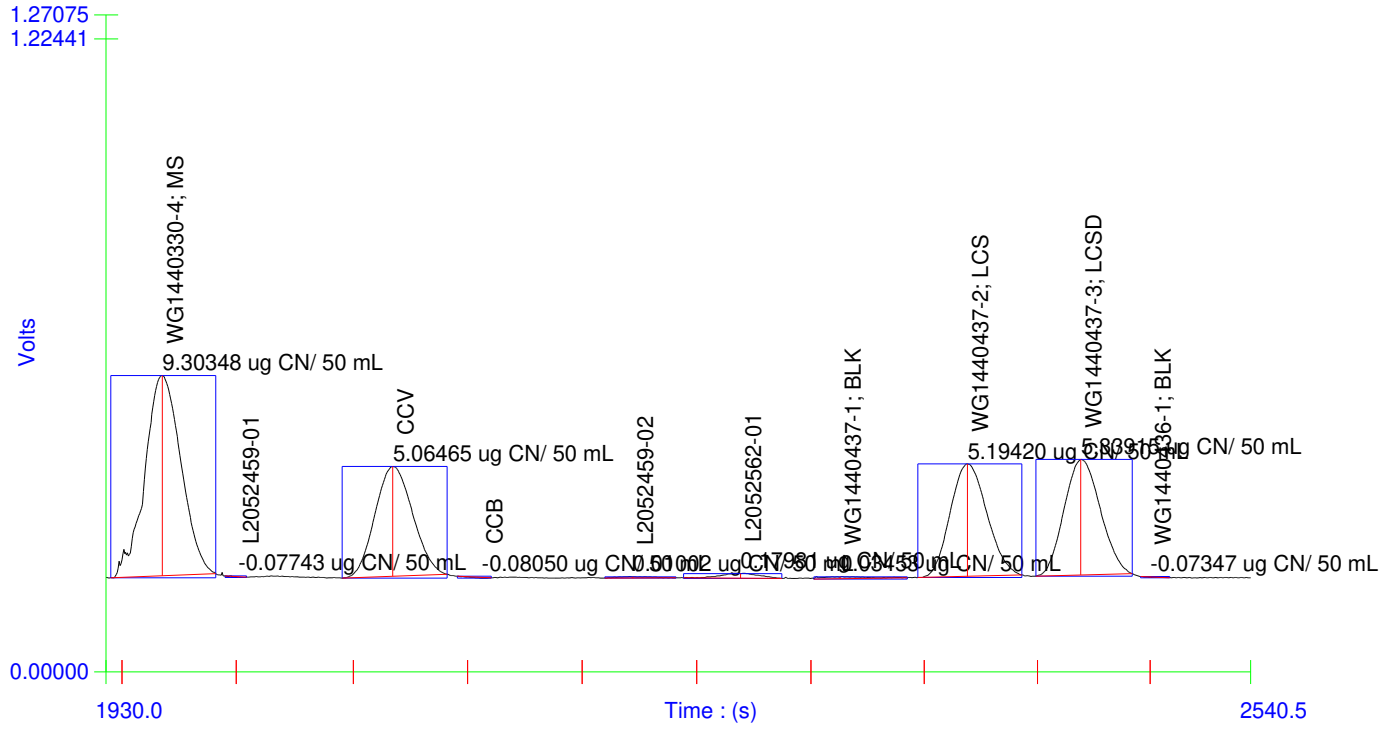


Channel 1 (Cyanide) - Set: 3 / 7

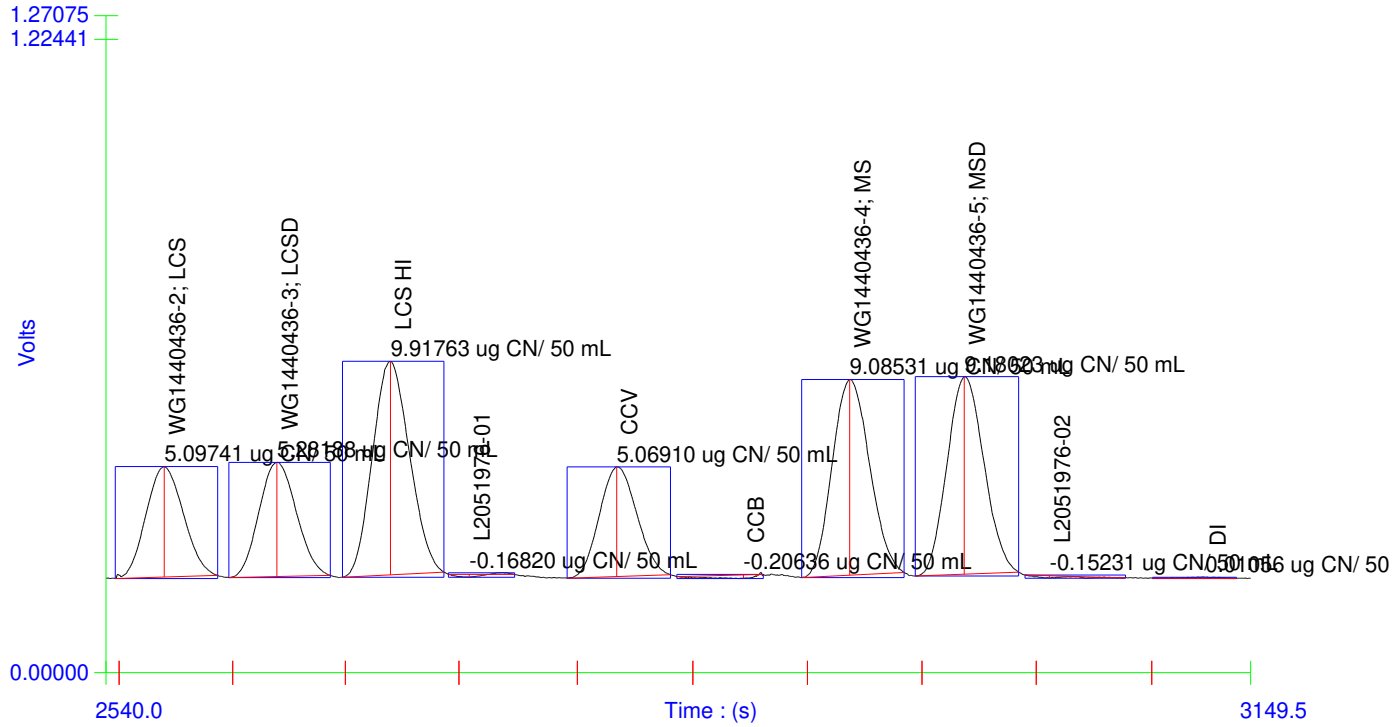


Author: CRONDEAU Date : 12/3/2020

Channel 1 (Cyanide) - Set: 4 / 7



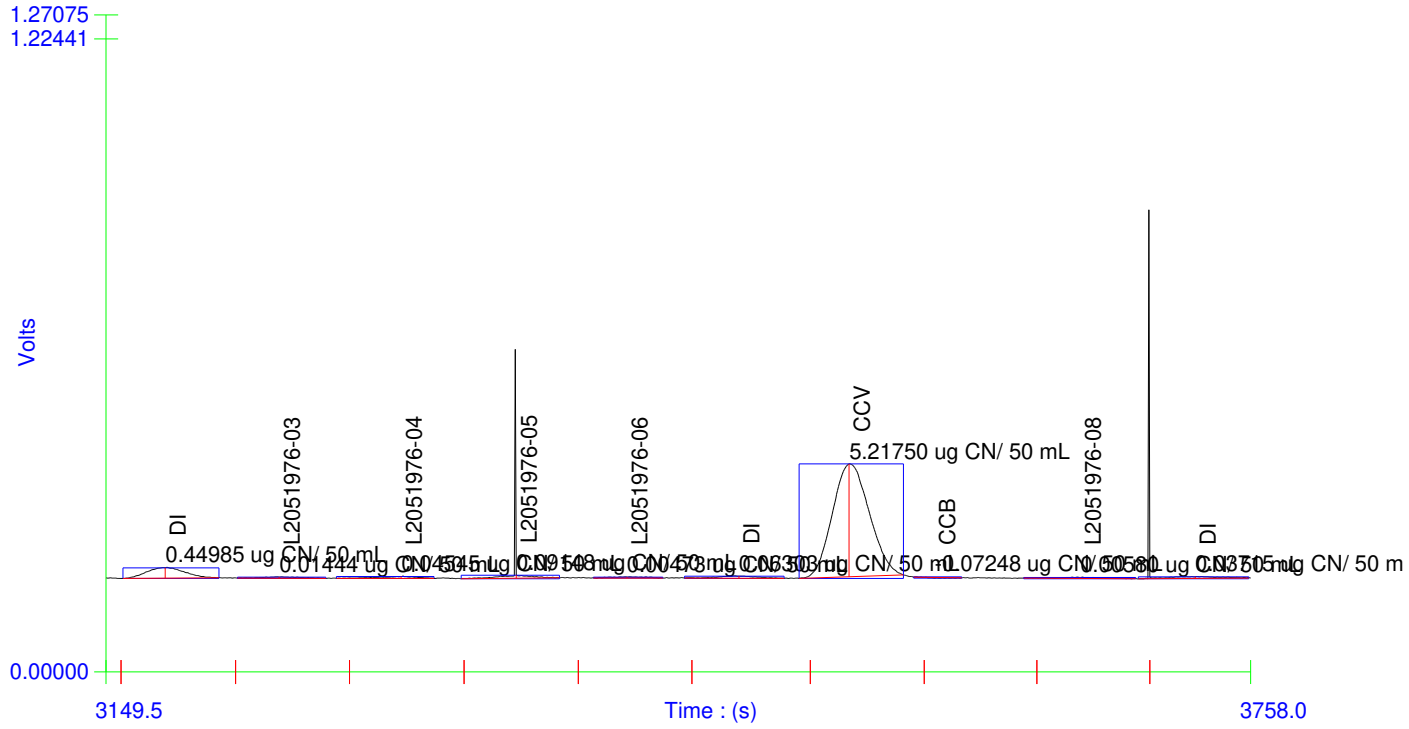
Channel 1 (Cyanide) - Set: 5 / 7



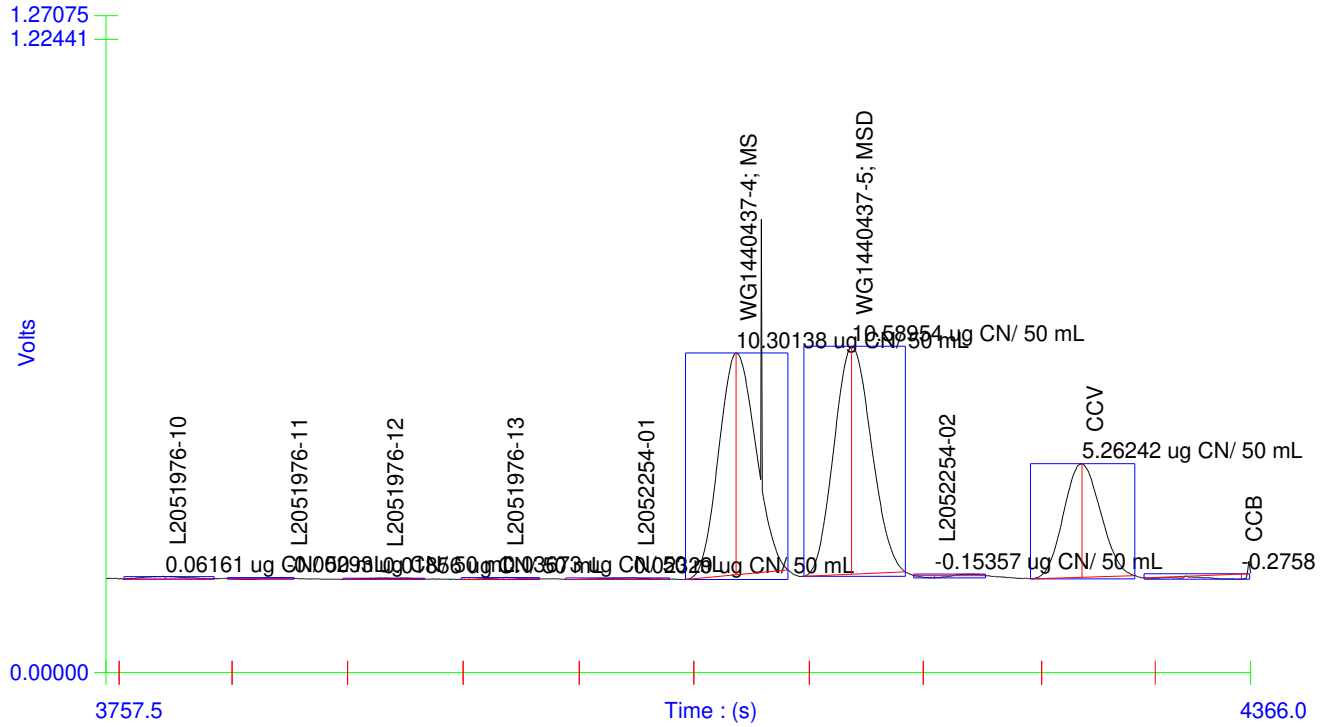
TRAY 1 CR

Author: CRONDEAU Date : 12/3/2020

Channel 1 (Cyanide) - Set: 6 / 7



Channel 1 (Cyanide) - Set: 7 / 7

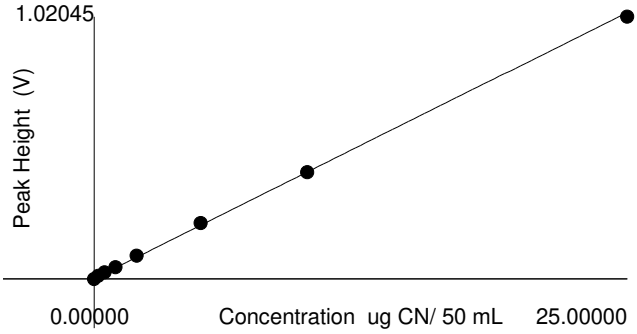


TRAY 1 CR

Table : 1 (Cyanide)

	Known Conc. (ug CN/ 50 mL)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (ug CN/ 50 mL)	Detection Date	Detection Time
1	25.00000	1	23.55434	1.02045	0.0	1.6	24.56912	12/3/2020	2:59:28 PM
2	10.00000	1	9.31459	0.41394	0.0	0.4	9.94185	12/3/2020	3:00:29 PM
3	5.00000	1	4.86640	0.21631	0.0	-3.6	5.17571	12/3/2020	3:01:30 PM
4	2.00000	1	2.01945	0.09021	0.0	-6.7	2.13448	12/3/2020	3:02:31 PM
5	1.00000	1	0.98325	0.04451	0.0	-3.2	1.03235	12/3/2020	3:03:33 PM
6	0.50000	1	0.57644	0.02529	0.0	-12.7	0.56873	12/3/2020	3:04:35 PM
7	0.20000	1	0.23330	0.01078	0.0	-7.6	0.21888	12/3/2020	3:05:37 PM
8	0.00000	1	-0.01382	-0.00114			-0.06871	12/3/2020	3:06:40 PM

Figure : 1 (Cyanide)



Height = 0.04140 * Conc + 0.00174
Conc = 24.11700 * Height - 0.04112
Correlation Coefficient (r) = 0.99992

Weighting : 1/x

Author: CRONDEAU Date : 12/3/2020

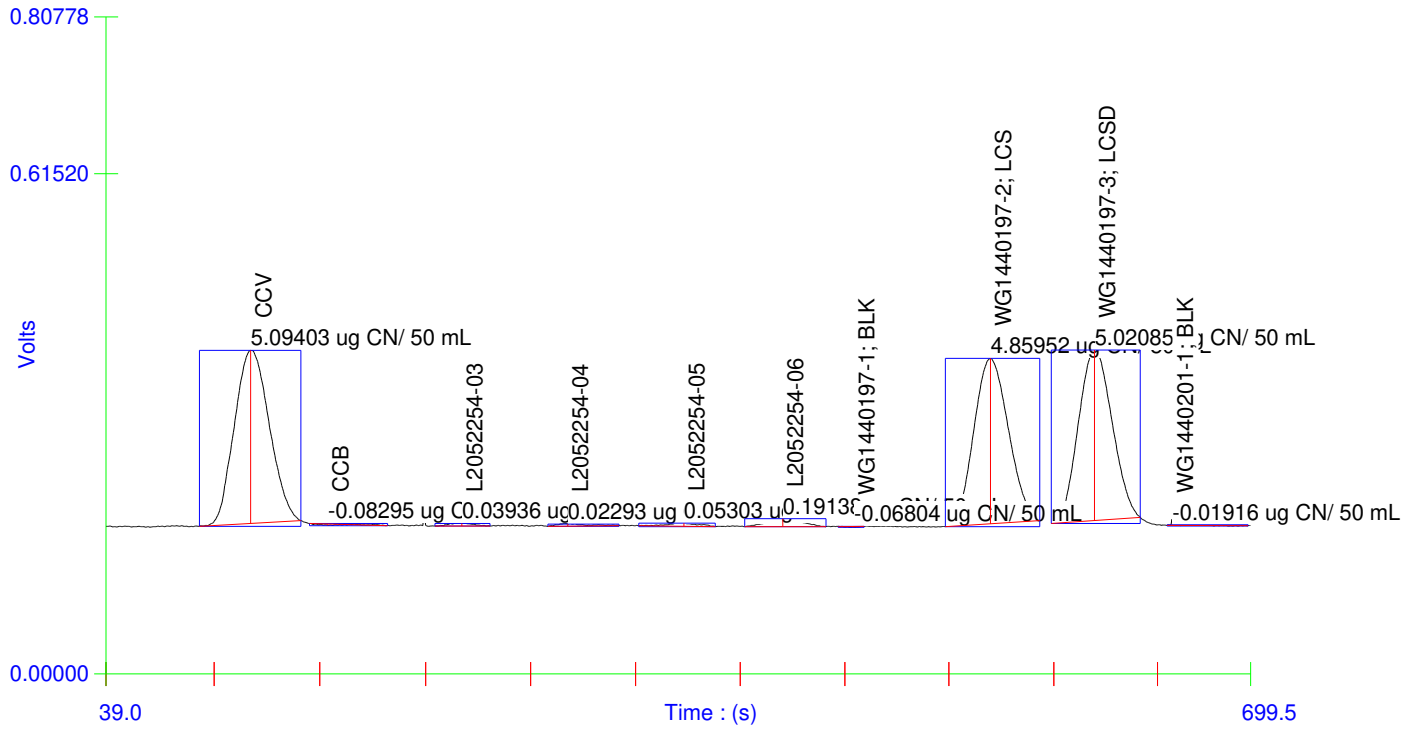
Original Run Filename: OM_12-3-2020_04-15-31PM.OMN Created: 12/3/2020 4:15:31 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_12-3-2020_04-15-31PM.OMN Last Modified: 12/3/2020 5:00:15 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: 10-204-00-1-A

Sample	Rep.	Cup No.	Channel 1 Cyanide (ug CN/ 50 mL)	MDF	Weight	
CCV	1	S3	5.09403			
	Known Conc:		0.10000			
	Calibration:		Table/Fig. : 1			
CCB	1	S8	-0.08295			
	Known Conc:		0.00000			
L2052254-03	1	51	0.00079		50.00000 g	
L2052254-04	1	52	0.00046		50.00000 g	
L2052254-05	1	53	0.00106		50.00000 g	
L2052254-06	1	54	0.00383		50.00000 g	
WG1440197-1; BLK	1	55	-0.00136		50.00000 g	
WG1440197-2; LCS	1	56	0.09719		50.00000 g	97%
WG1440197-3; LCSD	1	57	0.10042		50.00000 g	100%
WG1440201-1; BLK	1	58	-0.00038		50.00000 g	
WG1440201-2; LCS	1	59	0.09722		50.00000 g	97%
WG1440201-3; LCSD	1	60	0.10019		50.00000 g	100%
CCV	1	S3	5.13468			
	Known Conc:		0.10000			
CCB	1	S8	-0.09100			
	Known Conc:		0.00000			
LCS HI	1	61	0.20469		50.00000 g	102%
L2051958-07	1	62	-0.00256		50.00000 g	
L2051963-02	1	63	0.00033		50.00000 g	
L2051993-20	1	64	0.00018		50.00000 g	
L2051993-22	1	65	6.11396e-6		50.00000 g	
L2052003-07	1	66	-0.00302		25.00000 g	
L2052111-01	1	67	-0.00012		50.00000 g	
WG1440197-4; MS	1	68	0.18257		50.00000 g	91%
WG1440197-5; MSD	1	69	0.15075		50.00000 g	75%
L2052111-02	1	70	0.00042		50.00000 g	
CCV	1	S3	5.02112			
	Known Conc:		0.10000			
CCB	1	S8	-0.00962			
	Known Conc:		0.00000			
L2051856-01	1	71	0.00157		50.00000 g	
WG1440201-4; MS	1	72	0.11510		50.00000 g	58%
WG1440201-5; MSD	1	73	0.17872		50.00000 g	89%
~~L2051856-02~~	~~1~~	~~74~~	~~-0.00374~~		~~50.00000 g~~	
L2051856-03	1	75	0.00108		50.00000 g	
L2051856-04	1	76	0.00051		50.00000 g	
L2052207-04	1	77	-0.00036		50.00000 g	
L2051976-01	1	30	0.00421		50.00000 g	
L2051856-02	1	74	0.00275		50.00000 g	
CCV	1	S3	5.08481			
	Known Conc:		0.10000			
CCB	1	S8	-0.02168			
	Known Conc:		0.00000			

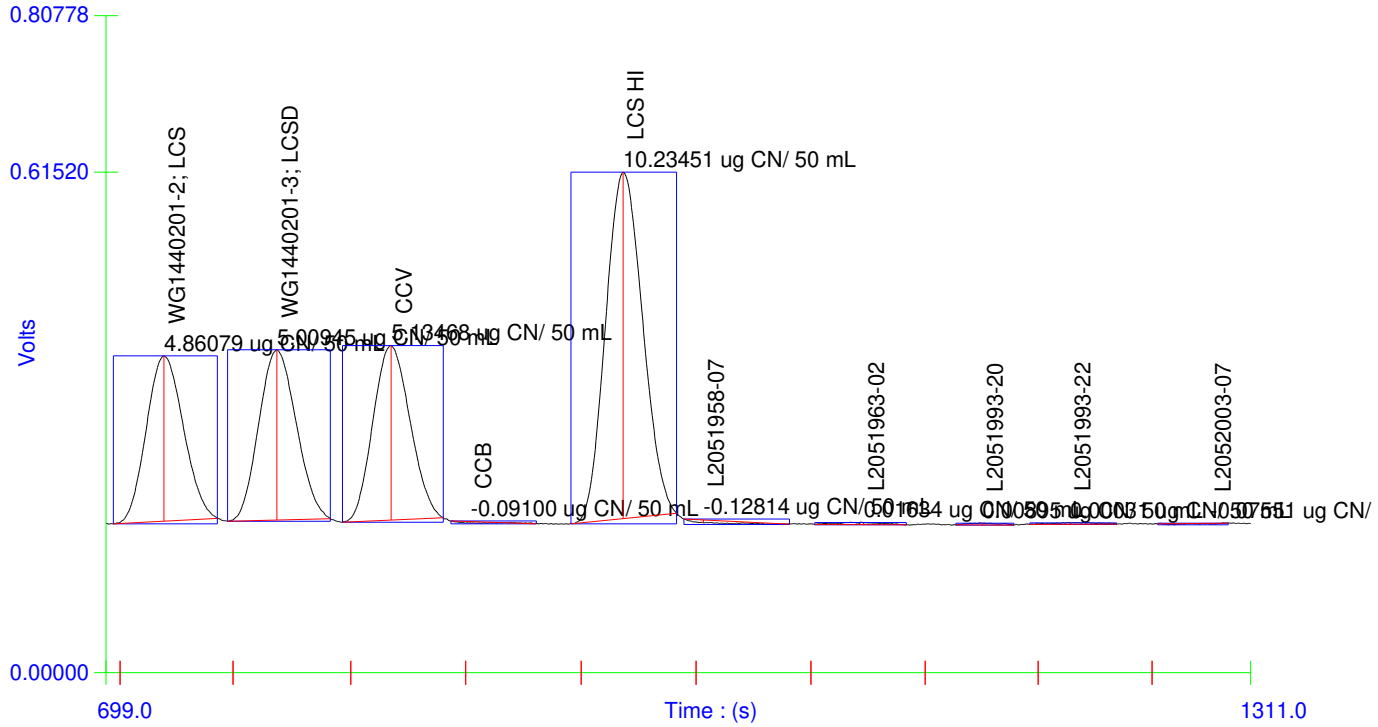
TRAY 1A CR

Author: CRONDEAU Date : 12/3/2020

Channel 1 (Cyanide) - Set: 1 / 4

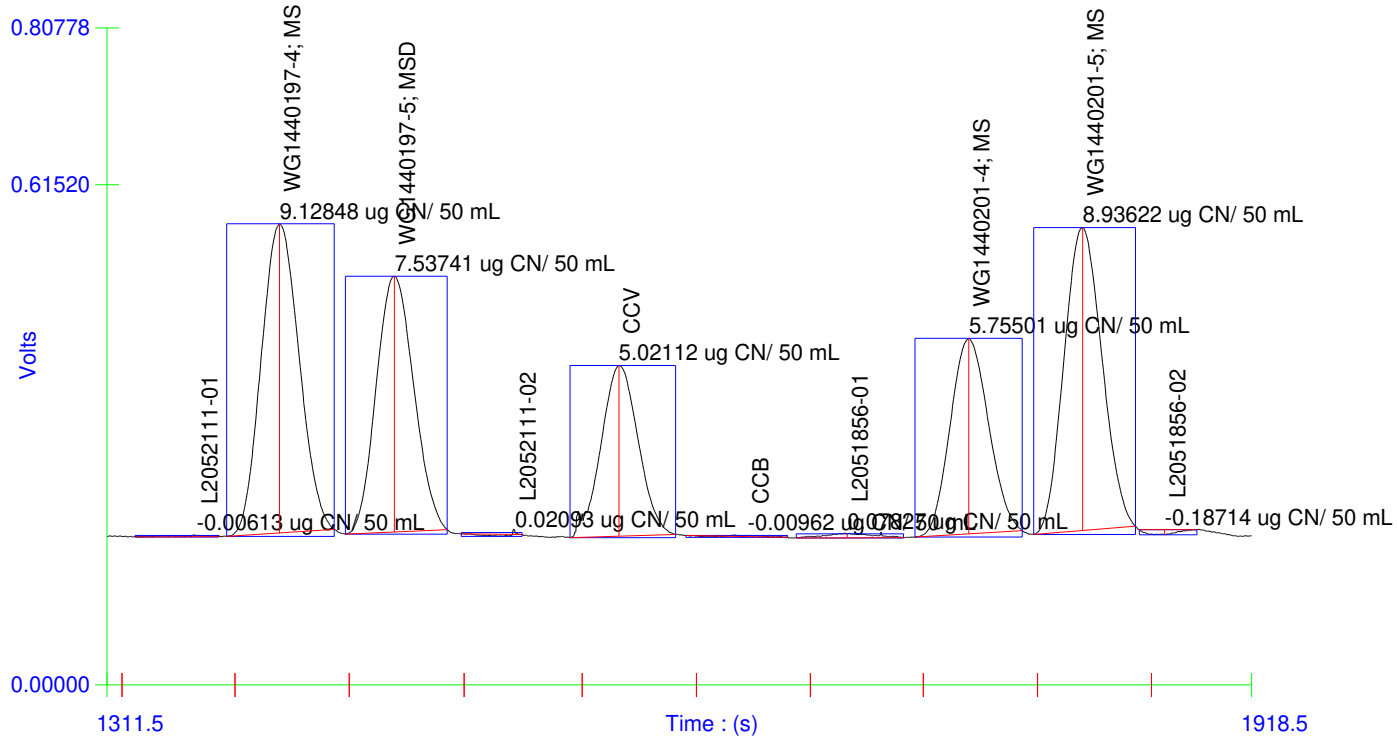


Channel 1 (Cyanide) - Set: 2 / 4



Author: CRONDEAU Date : 12/3/2020

Channel 1 (Cyanide) - Set: 3 / 4



Channel 1 (Cyanide) - Set: 4 / 4

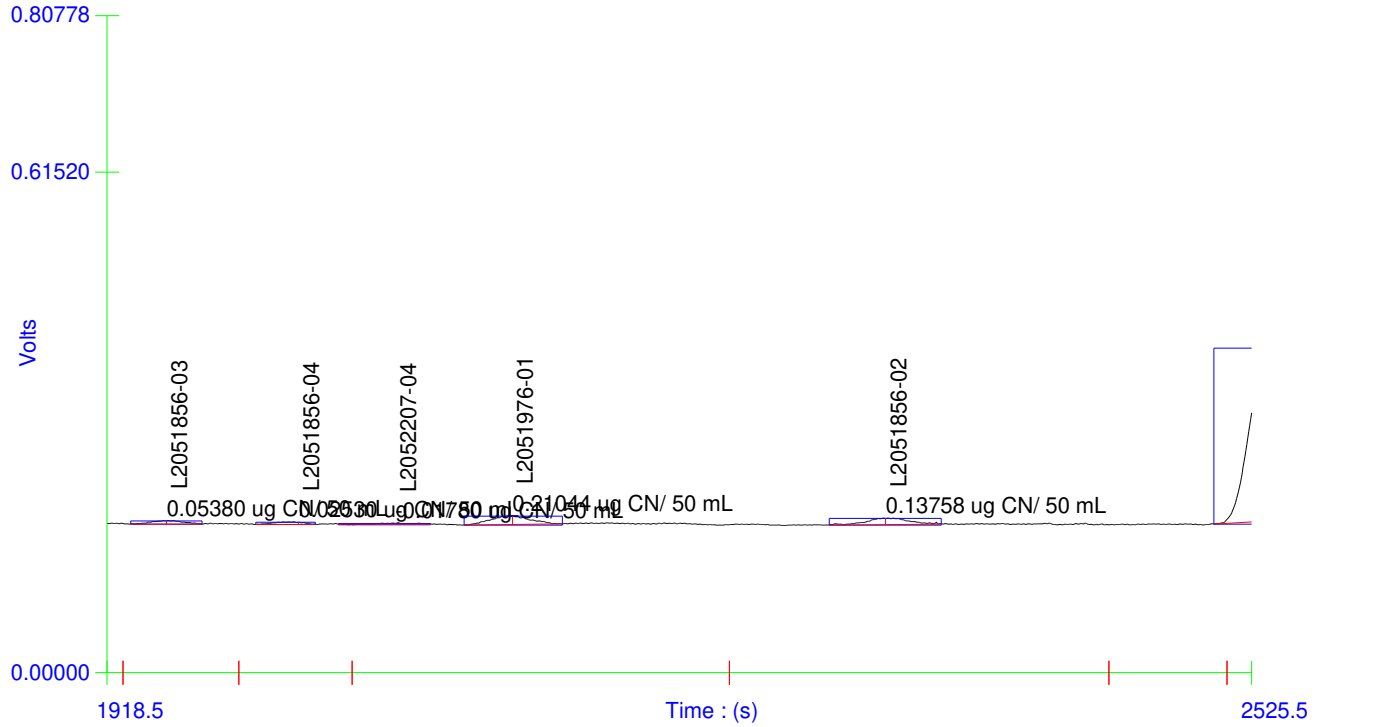
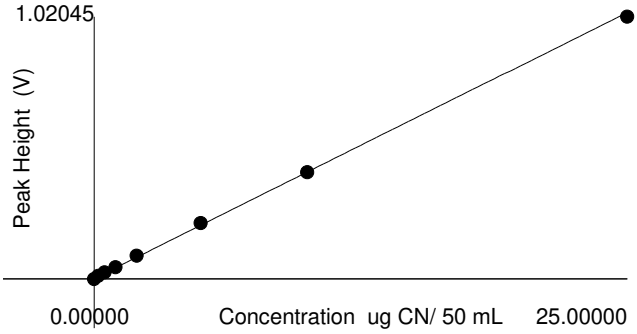


Table : 1 (Cyanide)

	Known Conc. (ug CN/ 50 mL)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (ug CN/ 50 mL)	Detection Date	Detection Time
1	25.00000	1	23.55434	1.02045	0.0	1.6	24.56912	12/3/2020	2:59:28 PM
2	10.00000	1	9.31459	0.41394	0.0	0.4	9.94185	12/3/2020	3:00:29 PM
3	5.00000	1	4.86640	0.21631	0.0	-3.6	5.17571	12/3/2020	3:01:30 PM
4	2.00000	1	2.01945	0.09021	0.0	-6.7	2.13448	12/3/2020	3:02:31 PM
5	1.00000	1	0.98325	0.04451	0.0	-3.2	1.03235	12/3/2020	3:03:33 PM
6	0.50000	1	0.57644	0.02529	0.0	-12.7	0.56873	12/3/2020	3:04:35 PM
7	0.20000	1	0.23330	0.01078	0.0	-7.6	0.21888	12/3/2020	3:05:37 PM
8	0.00000	1	-0.01382	-0.00114			-0.06871	12/3/2020	3:06:40 PM

Figure : 1 (Cyanide)



Height = 0.04140 * Conc + 0.00174
Conc = 24.11700 * Height - 0.04112
Correlation Coefficient (r) = 0.99992

Weighting : 1/x

Author: CRONDEAU Date : 12/3/2020

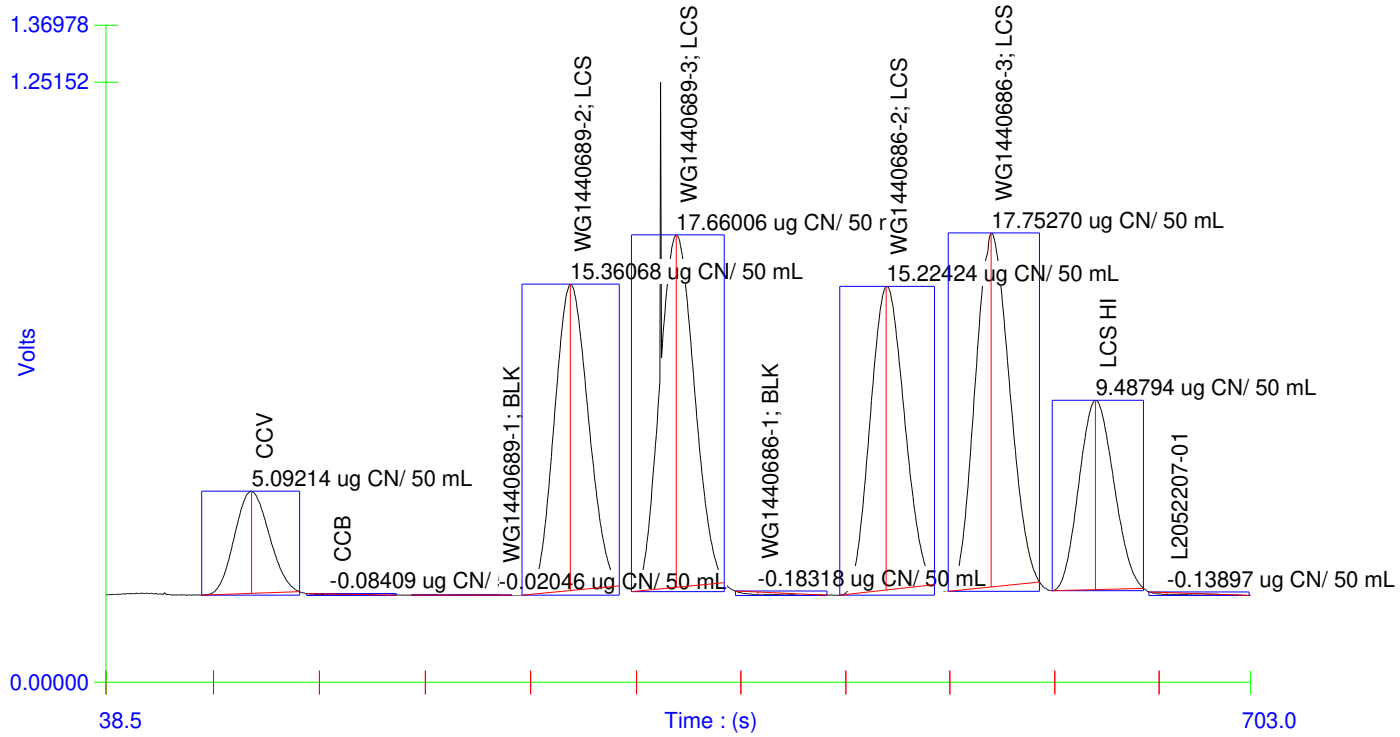
Original Run Filename: OM_12-3-2020_05-19-01PM.OMN Created: 12/3/2020 5:19:01 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_12-3-2020_05-19-01PM.OMN Last Modified: 12/3/2020 6:31:57 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: 10-204-00-1-A

Sample	Rep.	Cup No.	Channel 1 Cyanide (ug CN/ 50 mL)	MDF	Weight		
CCV	1	S3	5.09214				
	Known Conc:		0.10000				
CCB	1	S8	-0.08409				
	Known Conc:		0.00000				
	Calibration:		Table/Fig. : 1				
WG1440689-1; BLK	1	1	-0.02045		1.00040 g		
WG1440689-2; LCS	1	2	86.53903		0.17750 g	70%	RPD 9%
WG1440689-3; LCSD	1	3	98.54942		0.17920 g	79%	
WG1440686-1; BLK	1	4	-0.18311		1.00040 g		
WG1440686-2; LCS	1	5	85.77038		0.17750 g	69%	RPD 11%
WG1440686-3; LCSD	1	6	99.06644		0.17920 g	80%	
LCS HI	1	7	9.29370		1.02090 g	93%	
L2052207-01	1	8	-0.13019		1.06750 g		
L2052207-02	1	9	0.06001		1.01670 g		
L2052207-03	1	10	0.04415		1.03110 g		
CCV	1	S3	5.03099				
	Known Conc:		0.10000				
CCB	1	S8	-0.10805				
	Known Conc:		0.00000				
L2052315-01	1	11	0.02072		1.01940 g		
L2052315-05	1	12	0.01616		1.06220 g		
L2052336-05	1	13	0.03566		1.08340 g		
L2052336-08	1	14	0.15891		1.06400 g		
L2052350-01	1	15	-0.01561		1.06820 g		
WG1440689-4; MS	1	16	8.62140		1.08290 g	86%	
WG1440689-5; MSD	1	17	9.38441		1.01740 g	94%	
L2052350-02	1	18	-0.08613		1.03510 g		
L2052350-03	1	19	-0.07396		1.02770 g		
L2051957-01	1	20	0.01434		1.02510 g		
CCV	1	S3	5.02506				
	Known Conc:		0.10000				
CCB	1	S8	-0.08734				
	Known Conc:		0.00000				
L2051957-02	1	21	0.01381		1.00770 g		
L2053255-12	1	22	0.02349		1.09340 g		
L2053255-13	1	23	0.00642		1.03940 g		
L2053255-14	1	24	0.24027		1.06980 g		
WG1440686-4; MS	1	25	9.44456		1.00930 g	94%	
WG1440686-5; MSD	1	26	9.16171		1.04900 g	92%	
~~L2053255-15~~	~~1~~	~~27~~	~~-0.24672~~		~~1.04870 g~~		
L2053255-16	1	28	-0.02719		1.02700 g		
L2053255-17	1	29	-0.00767		1.06860 g		
L2053255-18	1	30	-0.00213		1.03120 g		
CCV	1	S3	5.05343				
	Known Conc:		0.10000				
CCB	1	S8	-0.06774				
	Known Conc:		0.00000				
L2052779-01	1	31	0.05132		1.06310 g		
WG1440775-1; BLK	1	32	-0.00015		50.00000 g		
~~WG1440775-2; LCS~~	~~1~~	~~33~~	~~0.08855~~		~~50.00000 g~~		
LCS HI	1	34	0.18300		50.00000 g	92%	
~~L2051596-02~~	~~1~~	~~35~~	~~-0.00390~~		~~50.00000 g~~		
L2052723-01	1	36	0.00094		50.00000 g		
WG1440775-3; DUP	1	37	0.00133		50.00000 g		
~~WG1440775-2; LCS~~	~~1~~	~~33~~	~~0.08890~~		~~50.00000 g~~		
WG1440775-4; MS	1	38	0.18543		50.00000 g	93%	
~~L2052723-02~~	~~1~~	~~39~~	~~-0.00406~~		~~50.00000 g~~		
CCV	1	S3	5.02460				
	Known Conc:		0.10000				

TRAY 2 CR

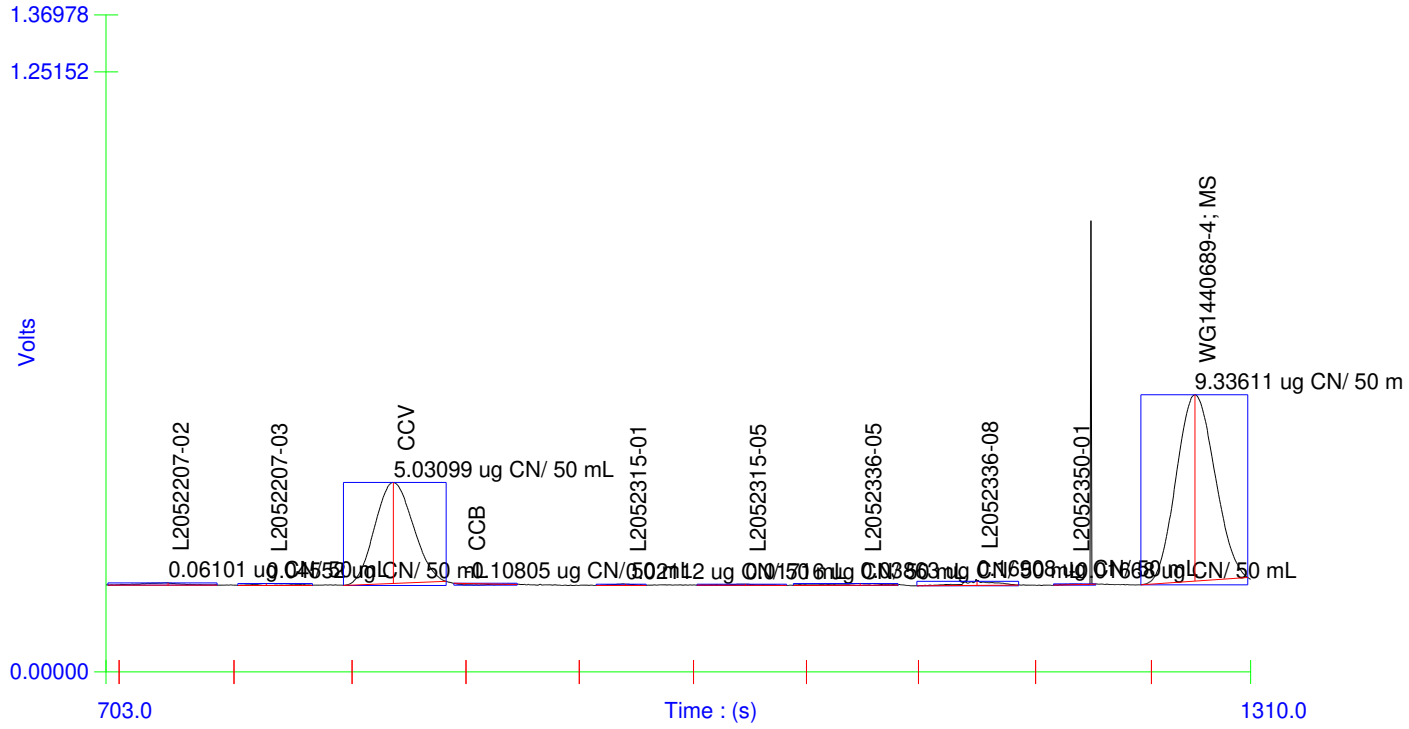
CCB	1	S8	0.14325		
	Known Conc:		0.00000		
~~WG1440775-2; LCS~~	~~1~~	~~33~~	~~0.08770~~		~~50.00000 g~~
L2052727-01	1	40	-0.00187		50.00000 g
L2052727-02	1	41	0.00345		50.00000 g
L2052730-01	1	42	0.00369		50.00000 g
~~WG1440775-2; LCS~~	~~1~~	~~33~~	~~0.08923~~		~~50.00000 g~~
L2052730-02	1	43	-0.00291		50.00000 g
L2052926-01	1	44	0.00116		50.00000 g
L2052926-02	1	45	0.00586		50.00000 g
~~WG1440775-2; LCS~~	~~1~~	~~33~~	~~0.08623~~		~~50.00000 g~~
L2052600-02	1	46	-0.00249		50.00000 g
CCV	1	S3	4.91884		
	Known Conc:		0.10000		
CCB	1	S8	-0.09360		
	Known Conc:		0.00000		
L2053255-15	1	27	0.02279		1.04870 g
L2051596-02	1	35	0.00234		50.00000 g
L2052723-02	1	39	0.00166		50.00000 g
CCV	1	S3	4.97778		
	Known Conc:		0.10000		
CCB	1	S8	-0.11818		
	Known Conc:		0.00000		

Channel 1 (Cyanide) - Set: 1 / 7

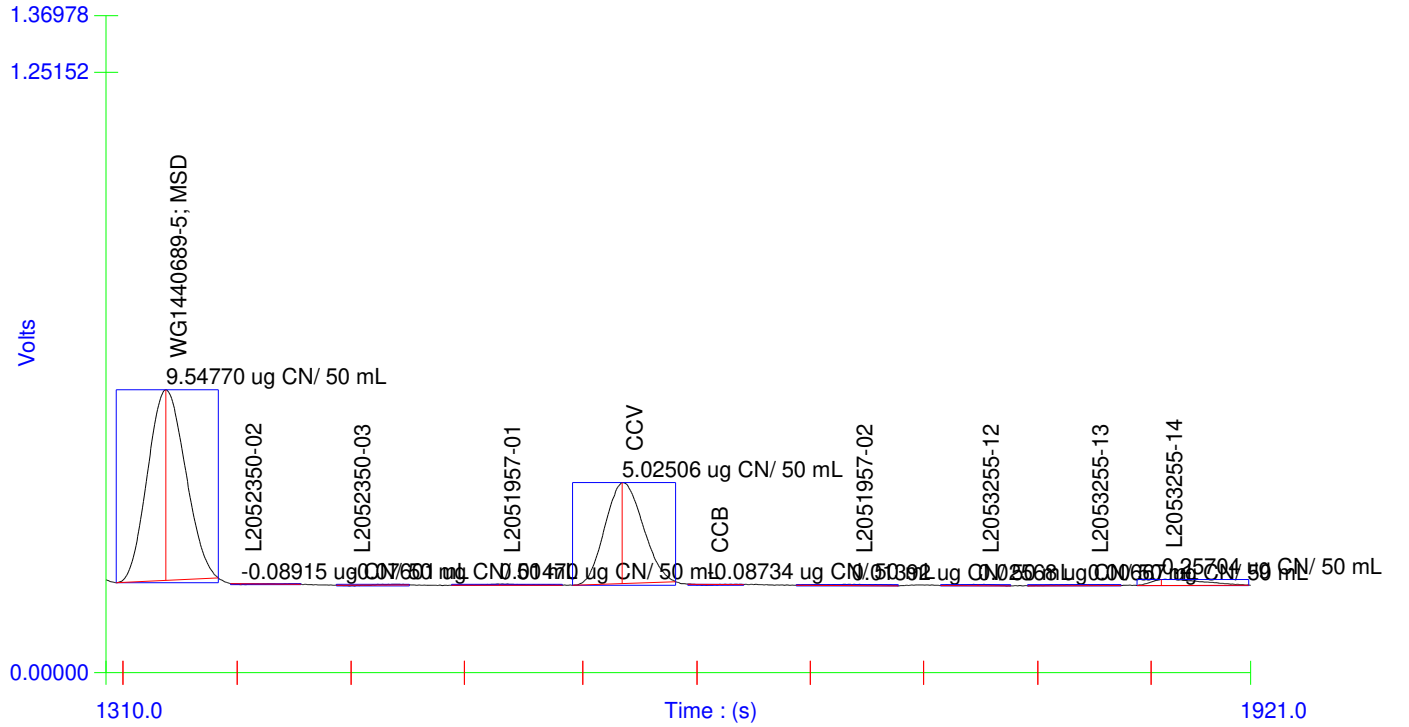


Author: CRONDEAU Date : 12/3/2020

Channel 1 (Cyanide) - Set: 2 / 7

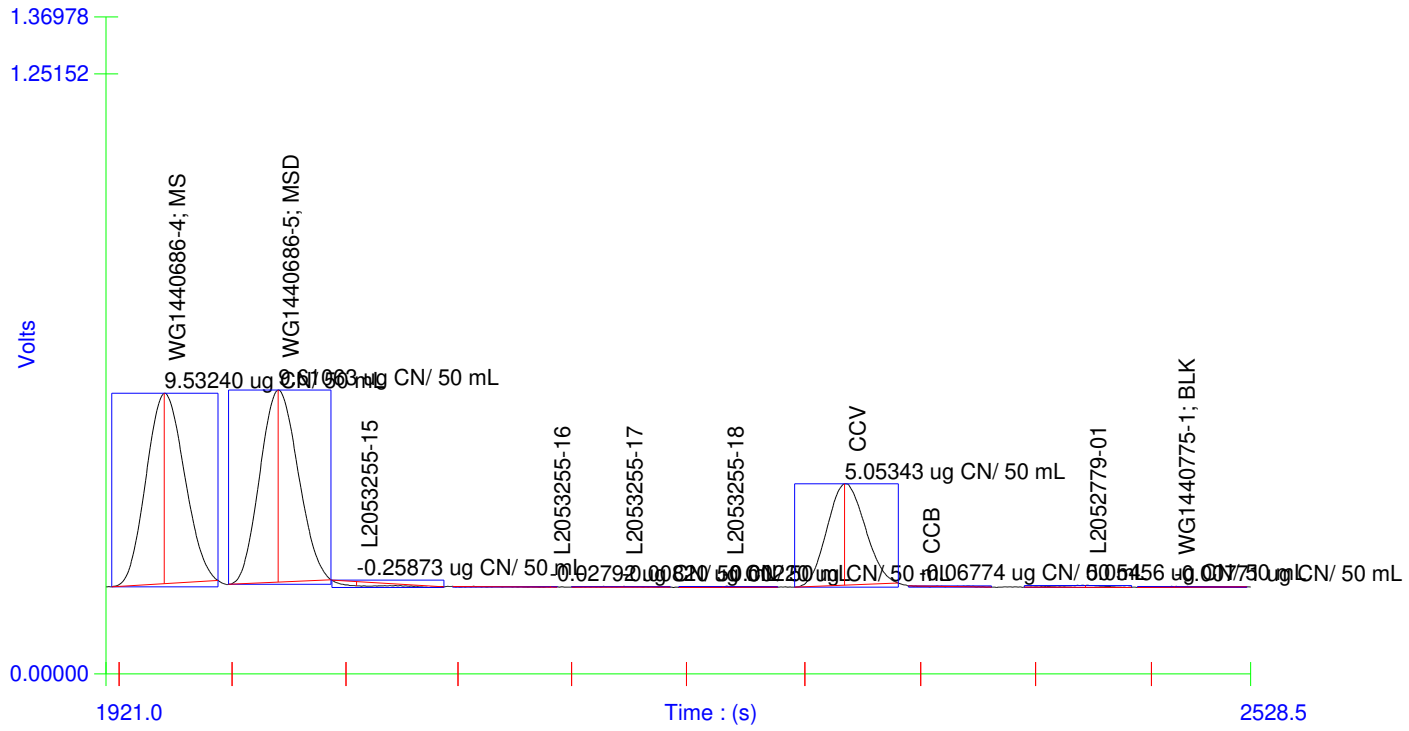


Channel 1 (Cyanide) - Set: 3 / 7

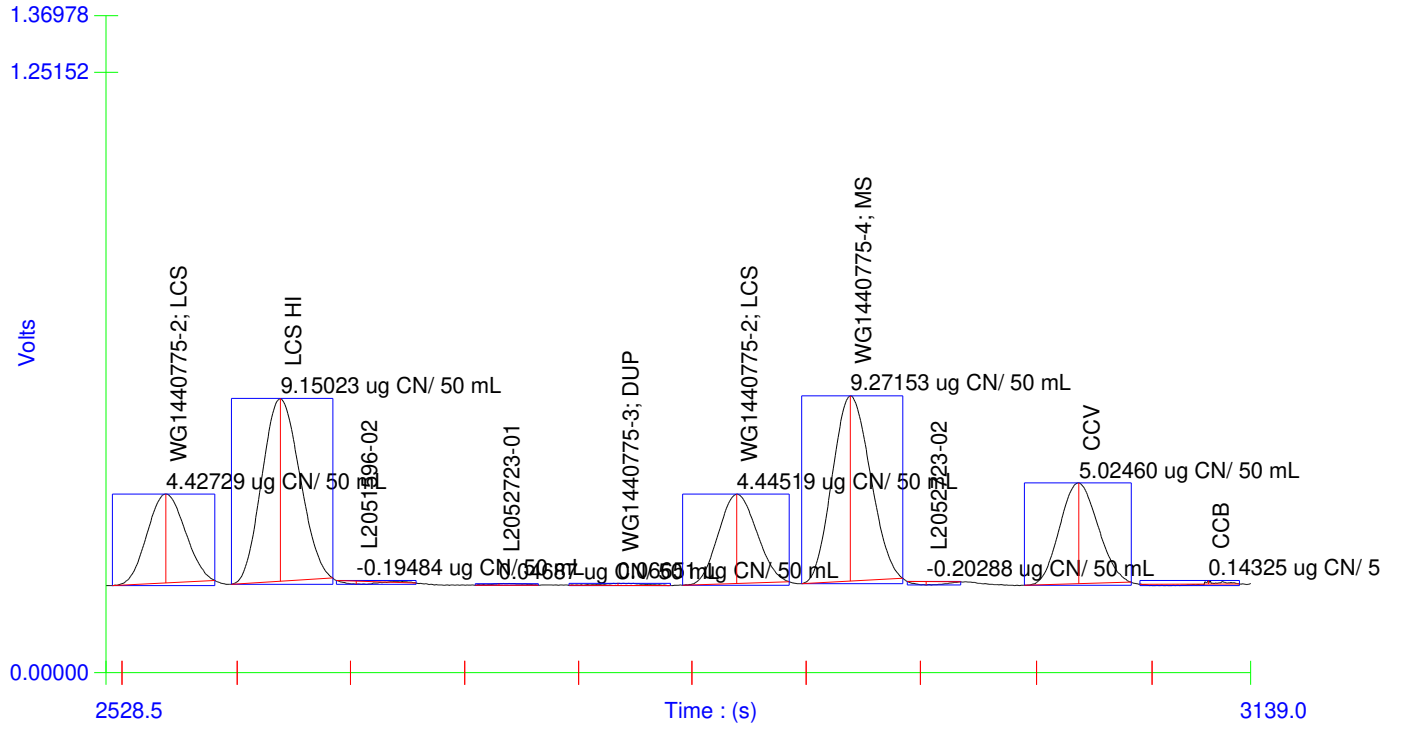


Author: CRONDEAU Date : 12/3/2020

Channel 1 (Cyanide) - Set: 4 / 7



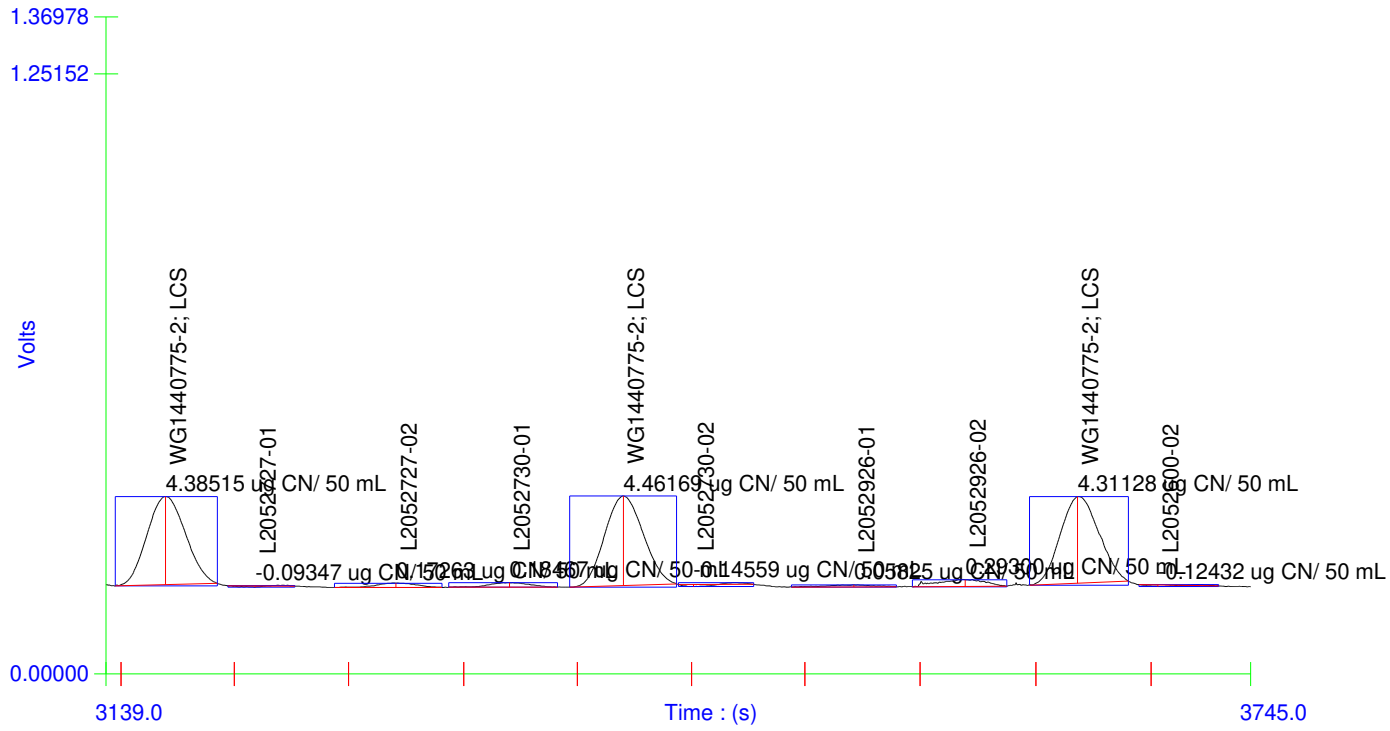
Channel 1 (Cyanide) - Set: 5 / 7



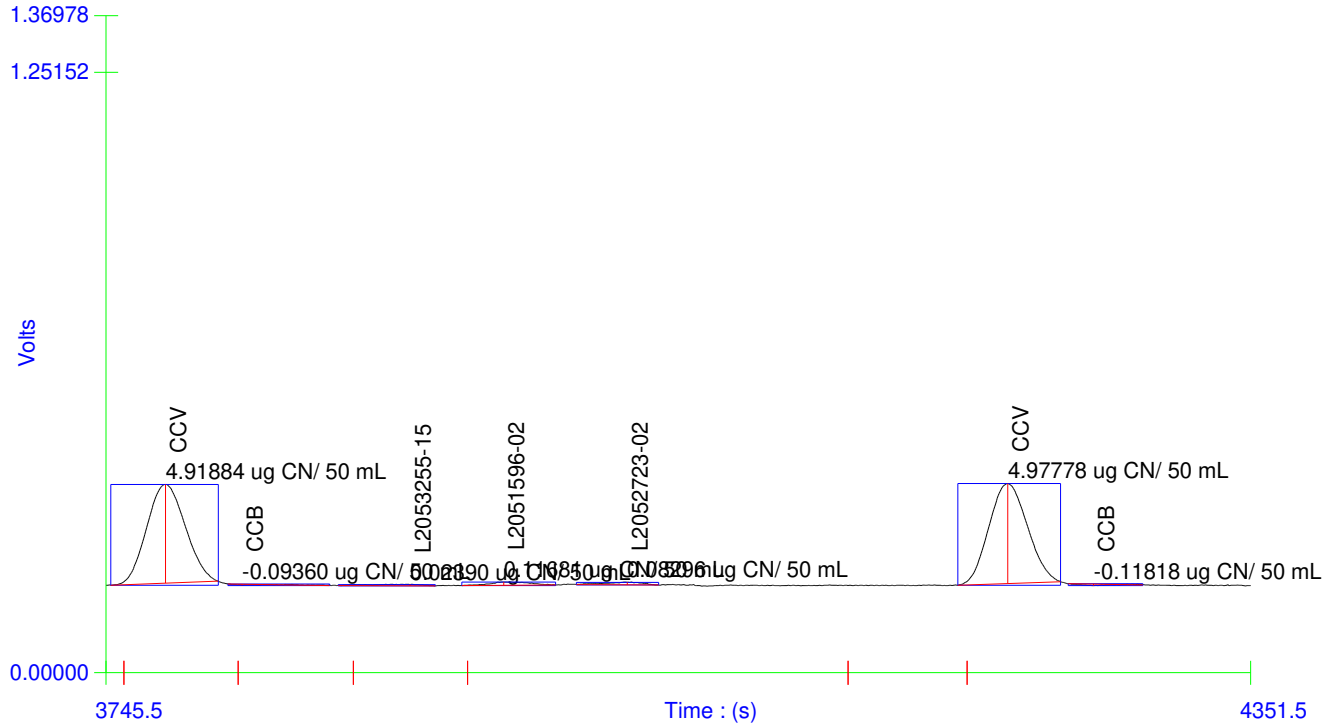
TRAY 2 CR

Author: CRONDEAU Date : 12/3/2020

Channel 1 (Cyanide) - Set: 6 / 7



Channel 1 (Cyanide) - Set: 7 / 7

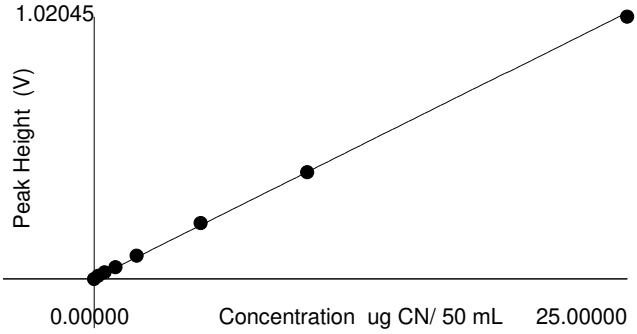


TRAY 2 CR

Table : 1 (Cyanide)

	Known Conc. (ug CN/ 50 mL)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (ug CN/ 50 mL)	Detection Date	Detection Time
1	25.00000	1	23.55434	1.02045	0.0	1.6	24.56912	12/3/2020	2:59:28 PM
2	10.00000	1	9.31459	0.41394	0.0	0.4	9.94185	12/3/2020	3:00:29 PM
3	5.00000	1	4.86640	0.21631	0.0	-3.6	5.17571	12/3/2020	3:01:30 PM
4	2.00000	1	2.01945	0.09021	0.0	-6.7	2.13448	12/3/2020	3:02:31 PM
5	1.00000	1	0.98325	0.04451	0.0	-3.2	1.03235	12/3/2020	3:03:33 PM
6	0.50000	1	0.57644	0.02529	0.0	-12.7	0.56873	12/3/2020	3:04:35 PM
7	0.20000	1	0.23330	0.01078	0.0	-7.6	0.21888	12/3/2020	3:05:37 PM
8	0.00000	1	-0.01382	-0.00114			-0.06871	12/3/2020	3:06:40 PM

Figure : 1 (Cyanide)



Height = 0.04140 * Conc + 0.00174
Conc = 24.11700 * Height - 0.04112
Correlation Coefficient (r) = 0.99992

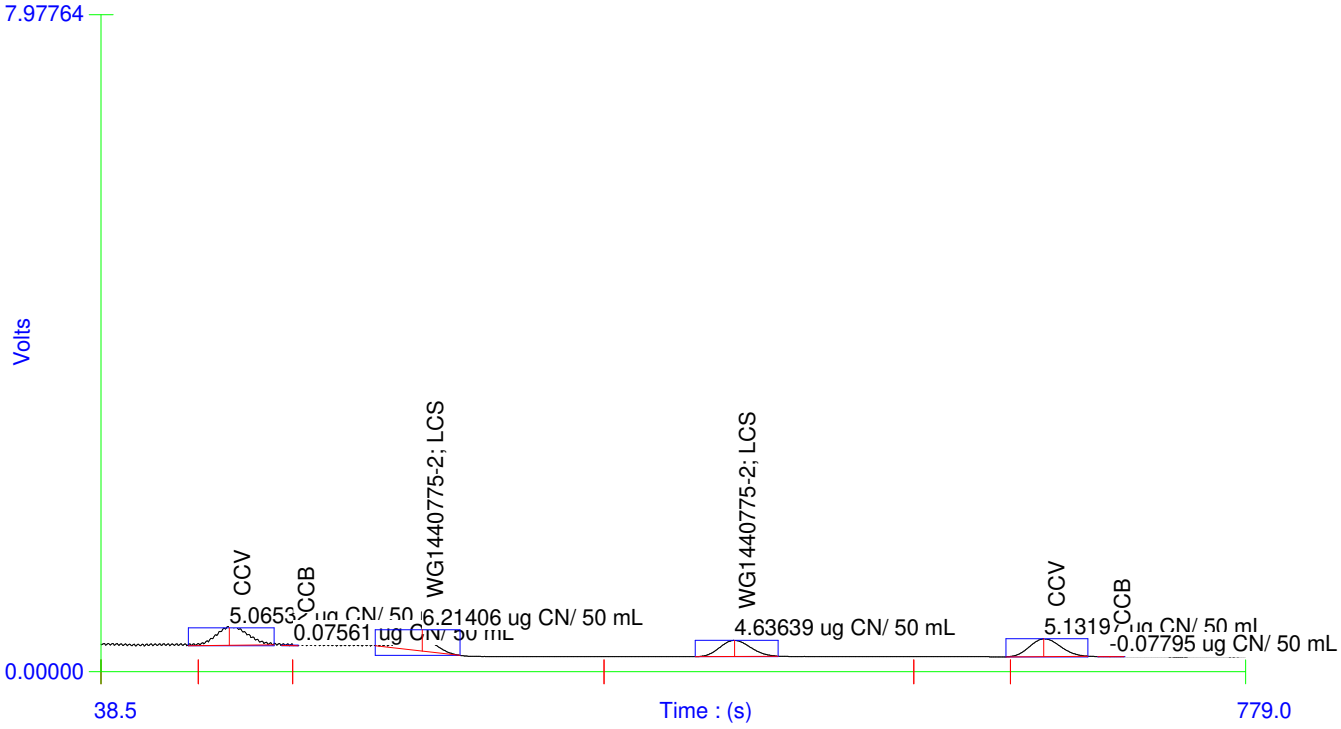
Weighting : 1/x

Author: CRONDEAU Date : 12/3/2020

Original Run Filename: OM_12-3-2020_06-39-18PM.OMN Created: 12/3/2020 6:39:18 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_12-3-2020_06-39-18PM.OMN Last Modified: 12/3/2020 6:52:32 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: 10-204-00-1-A

Sample	Rep.	Cup No.	Channel 1 Cyanide (ug CN/ 50 mL)	MDF	Weight	
CCV	1	S3	5.06532			
		Known Conc:	0.10000			
		Calibration:	Table/Fig. : 1			
CCB	1	S8	0.07561			
		Known Conc:	0.00000			
~~WG1440775-2; LCS~~	~~1~~	~~33~~	~~0.12428~~		~~50.00000 g~~	
WG1440775-2; LCS	1	33	0.09273		50.00000 g	93%
CCV	1	S3	5.13197			
		Known Conc:	0.10000			
CCB	1	S8	-0.07795			
		Known Conc:	0.00000			

Channel 1 (Cyanide) - Set: 1 / 1

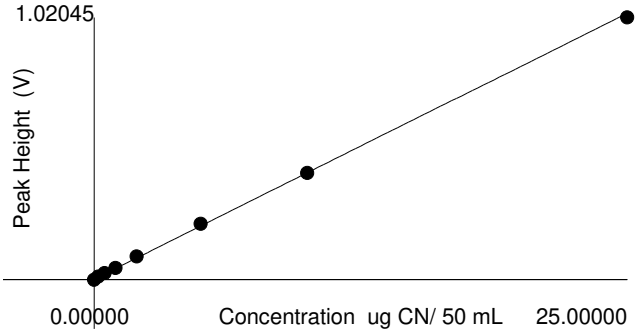


Author: CRONDEAU Date : 12/3/2020

Table : 1 (Cyanide)

	Known Conc. (ug CN/ 50 mL)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (ug CN/ 50 mL)	Detection Date	Detection Time
1	25.00000	1	23.55434	1.02045	0.0	1.6	24.56912	12/3/2020	2:59:28 PM
2	10.00000	1	9.31459	0.41394	0.0	0.4	9.94185	12/3/2020	3:00:29 PM
3	5.00000	1	4.86640	0.21631	0.0	-3.6	5.17571	12/3/2020	3:01:30 PM
4	2.00000	1	2.01945	0.09021	0.0	-6.7	2.13448	12/3/2020	3:02:31 PM
5	1.00000	1	0.98325	0.04451	0.0	-3.2	1.03235	12/3/2020	3:03:33 PM
6	0.50000	1	0.57644	0.02529	0.0	-12.7	0.56873	12/3/2020	3:04:35 PM
7	0.20000	1	0.23330	0.01078	0.0	-7.6	0.21888	12/3/2020	3:05:37 PM
8	0.00000	1	-0.01382	-0.00114			-0.06871	12/3/2020	3:06:40 PM

Figure : 1 (Cyanide)



Height = 0.04140 * Conc + 0.00174
Conc = 24.11700 * Height - 0.04112
Correlation Coefficient (r) = 0.99992

Weighting : 1/x

TRAY 2A CR

Quality Control

Form 5a
Matrix Spike

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: L2053255-14		
Matrix Spike	: WG1440686-4	**MS Analysis Date**	: 12/03/20 17:50
Matrix Spike Dup	: WG1440686-5	**MSD Analysis Date**	: 12/03/20 17:51

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Cyanide, Total	0.28J	11	11	94	11	10	89	10	75-125	35

Form 7
Laboratory Control Sample

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: WG1440686-2	**LCS Analysis Date**	: 12/03/20 17:25
Dup Sample ID	: WG1440686-3	**LCSD Analysis Date**	: 12/03/20 17:26

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Cyanide, Total	124.	86.0	69.	124.	99	80.	15	80-120	35

Date Created: 08/02/17
Created By: Jason Hebert
File: PM3872-3
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Total	57-12-5	0.005	0.0018	mg/l	90-110		90-110	30	30	4500CN-CE	14 days	1 - Plastic 250ml NaOH preserved
Cyanide, Total	57-12-5	0.005	0.0018	mg/l	85-115	20	80-120	20	20	9010C/9012B	14 days	1 - Plastic 250ml NaOH preserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 08/11/17
Created By: Jason Hebert
File: PM3907-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Total	57-12-5	1	0.212	mg/kg	80-120	35	75-125	35	35	9010C/9012B	14 days	1 - Glass 250ml/8oz unpreserved
Cyanide, Total	57-12-5	1	0.212	mg/kg	80-120	35	65-135	35	35	4500CN-CE	14 days	1 - Glass 250ml/8oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 11/22/16
Created By: Jason Hebert
File: PM3024-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Free	57-12-5	2	0.544	ug/l	75-125		70-130	20	20	9016	14 days	1 - Brown Plastic 1000ml NaOH preserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

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Date Created: 08/11/17
Created By: Jason Hebert
File: PM3907-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Free	57-12-5	1	0.239	mg/kg						4500CN-E(M)	14 days	1 - Glass 250ml/8oz unpreserved
Cyanide, Free	57-12-5	1	0.239	mg/kg						9016	14 days	1 - Glass 250ml/8oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 08/02/17
Created By: Jason Hebert
File: PM3872-2
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Physiologically Available	57-12-5	0.005	0.0017	mg/l	80-120		75-125	20	20	9014(M)	14 days	1 - Plastic 250ml NaOH preserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 08/11/17
Created By: Jason Hebert
File: PM3907-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Cyanide, Physiologically Available	57-12-5	1	0.125	mg/kg	75-125	20	75-125	20	20	9014(M)	14 days	1 - Glass 250ml/8oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Calculations of Total Cyanide

Aqueous Samples

The instrument will calculate the concentration (µg/50mL).

Result, mg/L = Cs x (1mg/1000µg) x (1000mL/1L) x (DF)

Where:

C_s = Concentration of sample (µg/50mL)

DF = Dilution Factor

Soil or Solid Samples

Soil samples are calculated as follows:

$$\text{Result, mg/Kg} = \frac{C_s \times (1\text{mg}/1000\mu\text{g}) \times (1000\text{g}/1\text{Kg}) \times (DF)}{A}$$

Where:

C_s = Concentration of sample (µg/50mL)

DF = Dilution Factor

$$A = \frac{\text{Sample weight (grams)}}{\text{Final Volume (50mL)}}$$

Dry weight correction

Dry weight correction is calculated as follows:

$$\text{Final concentration in mg/Kg, dry weight} = \frac{\text{Result, mg/Kg}}{\text{\% solids}}$$

Where:

%solids = Percent Solids, as a decimal value

Calculations of Free Cyanide

Aqueous Samples:

Calculate the concentration value of the sample (in ug/L) directly from the standard curve in spectrophotometric sample:

$$\text{ugFCN/L} = \frac{\text{absorbance} - \text{y-intercept}}{\text{slope}} \times \text{Dilution}$$

$$\frac{\mu g}{L}\ \text{free}\ CN^-\ \text{in aqueous sample} =$$

$$\frac{1.3\ \text{mL (center chamber solution volume)}}{3.0\ \text{mL (outer chamber solution volume)}} \times \frac{\mu g}{L}\ \text{free}\ CN^-\ \text{in spectrophotometric sample}$$

Soil Samples:

$$\frac{\mu g}{g}\ \text{free}\ CN^-\ \text{in solid sample} = \frac{\mu g}{L}\ \text{free}\ CN^-\ \text{in extract sample} \times \frac{\text{Final extract solution volume (L)}}{\text{Sample mass (g)}}$$

To calculate final result for soil samples based on dry weight, multiply final result on 100 and divide on %TS (in %)

FCN mg/kg (dry weight) = FCN mg/kg x 100 / TS (%)

Sequence Logs

TCN Tray 1 10/03/20 CR

Project: Pyridine-Barbituric: TCN-120220-BR
Book: Acetate Buffer: TCN-111920-AB
Chloramine-T: TCN-120320-CT
Sodium Hydroxide: TCN-120320-C

Page No. ____

ICV
ICB
WG1440330-1, BLK
-2, LCS

LCS HI
51782-02
51931-01
-02
52176-01
-02
-03
-04
-05
52216-01
-02
52408-02
-02 DUP
-04
-04 MS
52459-01
-02
52562-01
WG1440437-1, BLK
-2, LCS
-3, LCSD
WG1440436-1, BLK
-2, LCS
-3, LCSD
LCS HI
51976-01
-01 MS
-01 MSD
-02
DI 1,9
DI 1,10
-03
51976-04
-05
-06
DI 2,5
-08
DI 2,7
-10
-11
-12
-13
52254-01
-01 MS
-01 MSD
-02
-03
-04
-05
-06
WG1440197-1, BLK
-2, LCS
-3, LCSD
WG1440201-1, BLK
-2, LCS
-3, LCSD
LCS HI
51958-07
51963-02
51993-20
-22
52003-07
52111-01
-01 MS
-01 MSD
-02
51856-01
-01 MS
51856-01 MSD
-02
-03
-04
52207-04

To Page No. ____

ed & Understood by me, | Date | Invented by: | Date

WG1440689-1, BLK
-2, LCS
-3, LCSD
WG1440686-1, BLK
-2, LCS
-3, LCSD
LCS Hl
52207-01
-02
-03
52315-01
-05
52336-05
-08
52350-01
-01MS
-01MSD
-02
-03
51957-01
-02
53255-12
-13
-14
-14MS
-14MSD
-15
-16
-17
-18
52779-01
WG1440775-1, BLK
-2, LCS
LCS Hl
51596-02
52723-01
52723-01 DUP
-01 MS
-02
52727-01
-02
52730-01
-02
52926-01
-02
52600-02

essed & Understood by me, Date Invented by: Date

Recorded by:

Sample Preparation

Block ID: Blue LHS

Sulfamic Acid, 0.4N	Sulfuric Acid, 50%	MgCl2, 2.5M	NaOH, 1N	LCS, 10ppm	MS, 10ppm
Lot#: TCN- 112420-SA	Lot#: TCN- 120120-SA	Lot#: TCN- 111720-Mg	Lot#: TCN- 120220-N1	Lot#: TCN- 120220-LCS	Lot#: TCN- 120220-MS

Tube ID	Sample	Date	Analyst	Vol. (mL)	pH	pH Adjusted	Cl2 Check	Cl2 treated	S-2 Check	S-2 treated	Spike Vol (mL)	Sulfamic Acid (mL)	H2SO4 (mL)	MgCl2 (mL)	NaOH (mL)	Final Vol (mL)	Comment
1	Blank	12/2/20	CN	50	>12		-		-			5	5	2	5	50	
2	LCS	19:00									-5						
3	LCSHi										10						
4	51782-02						+	✓									
5	51931-01						-										
6	-02																
7	52176-01																
8	-02																
9	-03																
10	-04																
11	-05																
12	52216-01																
13	-02																
14	52408-02																
15	-02 DUP																
16	-04																
17	-04MS										10						
18	52459-01																
19	-02																
20	52562-01																

Block ID: Blk 1+2

Sulfamic Acid, 0.4N	Sulfuric Acid, 50%	MgCl2, 2.5M	NaOH, 1N	LCS, 10ppm	MS, 10ppm
Lot#: TCN- 112420-SA	Lot#: TCN- 120120-SA	Lot#: TCN- 111720-My	Lot#: TCN- 120220-Na	Lot#: TCN- 120220-LCS	Lot#: TCN- 120220-MS

Tube ID	Sample	Date	Analyst	Vol. (mL)	pH	pH Adjusted	Cl2 Check	Cl2 treated	S-2 Check	S-2 treated	Spike Vol (mL)	Sulfamic Acid (mL)	H2SO4 (mL)	MgCl2 (mL)	NaOH (mL)	Final Vol (mL)	Comment
1	Blank	12/2/20	EN	50	12		–		~			5	5	2	5	50	
2	LCS	23:00									5						
3	LCSD										5						
4	LCSHi										LO						
5	51976-01																
6	-01MS										LO						
7	-01MSD										LO						
8	-02																
~~9~~	DF																
~~10~~	DF																
11	51976-03																
12	-04																
13	-05																
14	-06																
~~15~~	DF																
16	-08																
~~17~~	DF																
18	-10																
~~19~~																	Broken cell
20	-11																

Block ID: Blk 3

Sulfamic Acid, 0.4N	Sulfuric Acid, 50%	MgCl2, 2.5M	NaOH, 1N	LCS, 10ppm	MS, 10ppm
Lot#: TCN- 112420.SA	Lot#: TCN- 120120-SA	Lot#: TCN- 111720-Mg	Lot#: TCN- 120220-Na	Lot#: TCN- 120220-LCS	Lot#: TCN- 120220-LCS

Tube ID	Sample	Date	Analyst	Vol. (mL)	pH	pH Adjusted	Cl2 Check	Cl2 treated	S-2 Check	S-2 treated	Spike Vol (mL)	Sulfamic Acid (mL)	H2SO4 (mL)	MgCl2 (mL)	NaOH (mL)	Final Vol (mL)	Comment
1	S1976-12	12/2/20	GW	50	7		-		-			5	5	2	5	50	
2	-13	23:00															
3	S2254-01																
4	-01MS										LO						
5	-01MSD										LO						
6	-02																
7	-03																
8	-04																
9	-05																
10	-06																
11																	
12																	
13																	
14																	
15																	
16	GW																
17																	
18																	
19																	
20																	

Block ID: Blue 415

Sulfamic Acid, 0.4N	Sulfuric Acid, 50%	MgCl2, 2.5M	NaOH, 1N	LCS, 10ppm	MS, 10ppm
Lot#: TCN-120220-SUF	Lot#: TCN-120120-SA	Lot#: TCN-111720-Mg	Lot#: TCN-120320-Na	Lot#: TCN-120320-LCS	Lot#: TCN-120220-MS

Tube ID	Sample	Date	Analyst	Vol. (mL)	pH	pH Adjusted	Cl2 Check	Cl2 treated	S-2 Check	S-2 treated	Spike Vol (mL)	Sulfamic Acid (mL)	H2SO4 (mL)	MgCl2 (mL)	NaOH (mL)	Final Vol (mL)	Comment
1	Blank	12/03/20	CR	50	>12		—		—			5	5	2	50	50	
2	LCS	9:55									0.5						
3	LCSD										0.5						
4	LCS HI										1.0						
5	51958-07																
6	51963-02																
7	51993-20																
8	-22																
9	52003-07			25↑50													
10	52111-01			50													
11	-01MS										1.0						
12	-01MSD										1.0						
13	-02																
14	51856-01																
15	-01MS										1.0						
16	-01MSD										1.0						
17	-02																
18	-03																
19	-04																
20	52207-04																

Block ID: Blue 1 & 2

Sulfamic Acid, 0.4N	Sulfuric Acid, 50%	MgCl2, 2.5M	NaOH, 1N	LCS, 10ppm	MS, 10ppm
Lot#: TCN- 180220 SA/SX	Lot#: TCN- 180120 SA	Lot#: TCN- 111726 Mg	Lot#: TCN- 120326 Na	Lot#: TCN- 120322 CSS	Lot#: TCN- 120326 MS

	Sample	Date	Analyst	Wt. (g)	Spike Vol (mL)	Sulfamic Acid (mL)	H2SO4 (mL)	MgCl2 (mL)	NaOH (mL)	Final Vol (mL)	Comment
1	Blank	12/03/20	CR	1.0004		5	5	2	50	50	
2	LCS	12:15		0.1775							
3	LCSD			0.1792							
4	LCS HI			1.0209	L.O						
5	52207-01			1.0675							
6	-02			1.0167							
7	-03			1.0311							
8	52315-01			1.0194							
9	-05			1.0622							
10	52336-05			1.0834							
11	-08			1.0640							
12	52350-01			1.0682							
13	-01MS			1.0829	1.0						
14	-01MSD			1.0174	1.0						
15	-02			1.0351							
16	-03			1.0277							
17	51957-01			1.0251							
18	-02			1.0077							
19											
20	53255-12			1.0934							

SRM Lot: 1007-541

Block ID: Blue 3

Sulfamic Acid, 0.4N	Sulfuric Acid, 50%	MgCl2, 2.5M	NaOH, 1N	LCS, 10ppm	MS, 10ppm
Lot#: TCN- 120220 SulfA	Lot#: TCN- 120120 SA	Lot#: TCN- 111720 Mg	Lot#: TCN- 120320 Na	Lot#: TCN- 120320 LCS	Lot#: TCN- 120320 MS

	Sample	Date	Analyst	Wt. (g)	Spike Vol (mL)	Sulfamic Acid (mL)	H2SO4 (mL)	MgCl2 (mL)	NaOH (mL)	Final Vol (mL)	Comment
1	53255-13	12/03/20	CR	1.0344		5	5	2	50	50	
2	-14	12:15		1.0698							
3	-14 MS			1.0093	1.0						
4	-14 MSD			1.0490	1.0						
5	-15			1.0487							
6	-16			1.0270							
7	-17			1.0686							
8	-18			1.0312							
9	52779-01			1.0631							
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											

CR

SRM Lot: 0107-541

Block ID: Blue 415

Sulfamic Acid, 0.4N	Sulfuric Acid, 50%	MgCl2, 2.5M	NaOH, 1N	LCS, 10ppm	MS, 10ppm
Lot#: TCN-120220SUA	Lot#: TCN-120120SA	Lot#: TCN-111720Mg	Lot#: TCN-120320NA	Lot#: TCN-120320LCS	Lot#: TCN-120320MS

Tube ID	Sample	Date	Analyst	Vol. (mL)	pH	pH Adjusted	Cl2 Check	Cl2 treated	S-2 Check	S-2 treated	Spike Vol (mL)	Sulfamic Acid (mL)	H2SO4 (mL)	MgCl2 (mL)	NaOH (mL)	Final Vol (mL)	Comment
1	Blank	12/03/20	CR	50	>12		←		—			5	5	2	50	50	
2	LCS	13:50	↓	↓	↓		↓		↓		0.5		↓	↓	↓	↓	
3	LCS HI	↓		↓	↓		↓		↓		1.0	↓		↓	↓	↓	
4	51596-02	↓		↓	↓		↓		↓		↓	↓		↓	↓	↓	
5	52600-02	↓		↓	↓		↓		↓		↓	↓		↓	↓	↓	
6	52723-01	↓		↓	↓		↓		↓		↓	↓		↓	↓	↓	
7	-01 DUP	↓		↓	↓		↓		↓		↓	↓		↓	↓	↓	
8	-01 MS	↓		↓	↓		↓		↓		1.0	↓		↓	↓	↓	
9	-02	↓		↓	↓		↓		↓		↓	↓		↓	↓	↓	
10	52727-01	↓		↓	↓		↓		↓		↓	↓		↓	↓	↓	
11	-02	↓		↓	↓		↓		↓		↓	↓		↓	↓	↓	
12	52730-01	↓		↓	↓		↓		↓		↓	↓		↓	↓	↓	
13	-02	↓		↓	↓		↓		↓		↓	↓		↓	↓	↓	
14	52926-01	↓		↓	↓		↓		↓		↓	↓		↓	↓	↓	
15	-02	↓		↓	↓		↓		↓		↓	↓		↓	↓	↓	
16																	
17																	
18																	
19																	
20																	

Hexavalent Chromium Analysis

Results

Form 1
WETCHEM

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: L2051957-01	**Date Collected**	: 11/20/20 10:15
Client ID	: SB23_0-2	**Date Received**	: 11/20/20
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 12/08/20 19:01
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7196A	**Analyst**	: NA
Lab File ID	: WG1441363.csv	**Instrument ID**	: GENSYS10VI
Sample Amount	: 2.464g	**%Solids**	: 86
Digestion Method	: EPA 3060A	**Date Digested**	: 12/04/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
18540-29-9	Chromium, Hexavalent	ND	0.932	0.186	U

Form 1
WETCHEM

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: L2051957-02	**Date Collected**	: 11/20/20 10:30
Client ID	: SB23_5-6	**Date Received**	: 11/20/20
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 12/08/20 19:01
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7196A	**Analyst**	: NA
Lab File ID	: WG1441363.csv	**Instrument ID**	: GENSYS10VI
Sample Amount	: 2.5018g	**%Solids**	: 84
Digestion Method	: EPA 3060A	**Date Digested**	: 12/04/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
18540-29-9	Chromium, Hexavalent	ND	0.957	0.191	U

Form 1
WETCHEM

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: WG1441363-1	**Date Collected**	: NA
Client ID	: WG1441363-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 12/08/20 19:01
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7196A	**Analyst**	: NA
Lab File ID	: WG1441363.csv	**Instrument ID**	: GENSYS10VI
Sample Amount	: 2.4887g	**%Solids**	: NA
Digestion Method	: EPA 3060A	**Date Digested**	: 12/04/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
18540-29-9	Chromium, Hexavalent	ND	0.800	0.160	U

Form 1
WETCHEM

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: WG1441363-6	**Date Collected**	: 11/20/20 10:15
Client ID	: SB23_0-2DUP	**Date Received**	: 11/20/20
Sample Location	:	**Date Analyzed**	: 12/08/20 19:01
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7196A	**Analyst**	: NA
Lab File ID	: WG1441363.csv	**Instrument ID**	: GENSYS10VI
Sample Amount	: 2.4749g	**%Solids**	: 86
Digestion Method	: EPA 3060A	**Date Digested**	: 12/04/20

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
18540-29-9	Chromium, Hexavalent	ND	0.932	0.186	U

Sample Raw Data

ALPHA ANALYTICAL

WET CHEMISTRY DEPARTMENT

CHROMIUM, HEXAVALENT

Last Change1/15/16 tjt
File HEXCR-S-2016.xlt

SOP No.: 07-12

Product: HEXCR-7196
Curve Calibration Date : 12/2/2020
Curve Identifier: 8:11:00 PM

Analysis: Hexavalent Chromium
Method: EPA 7196A
Instrument: GENSYS10vis
Wavelength: 540 nm

Analyte: Chromium, Hexavalent
Prep Date/Time: 12/4/20 19:20
Technician: NA
Work group: WG1441363
RDL: 0.8 mg/kg

Get Samples

Save to LIMS

Insoluble Spike/LCS: 1608.82
MS/MSD-PbCrO4 Weight(g): 0.0172

Standard ID	Mean signal (pk area) abs
0	0.000
0.01	0.010
0.1	0.073
0.5	0.363
1	0.728

Calibration Curve
Volume: 50 ml

Slope	y-intercept
0.726556	0.000848991

Correlation Coefficient
0.999992

ICV Concentration (mg/l) = 0.2
LCS Concentration (mg/kg) = 47.400

Reagents/Media Information

Material	Lot No.
Calibration Stds.:	HEX_052920_CAL
ICV:	HEX_110620_ICV
CCV:	HEX_110620_ICV
MS ($PbCrO_4$):	BCBQ1252V
0.6N H_2SO_4:	HEX_101920_H2SO4
Diphenylcarbazide:	HEX_110620_COLOR
Soluble LCS	WC-2674
Soluble MS ($K_2Cr_2O_7$):	WC-2713

HEXCR-7196

NJ-HEXCR-7196

pH	Time	Date	Sample number	Sample Weight (g)	Final Volume (ml)	Absorbance	Background Absorbance	Net Absorbance	RESULT (mg/l)	Dilution Factor		RDL Multiplier	FINAL RESULT (mg/kg)	
1.9	19:01	12/8/2020	BLANK		100					1		1		Recovery %
1.9	19:01	12/8/2020	ICV		100	0.141		0.141	0.193	1		1	0.19	96%
1.9	19:01	12/8/2020	ICB		100	0.000		0.000	0.000	1		1	0.00	
1.9	19:01	12/8/2020	LCS	0.4674	100	0.178		0.178	0.244	1		1	52.17	110%
1.9	19:01	12/8/2020	L2051957-01	2.464	100	0.004	0.014	-0.010	0.000	1		1	0.00	
1.9	19:01	12/8/2020	L2051957-02	2.5018	100	0.016	0.023	-0.007	0.000	1		1	0.00	
1.9	19:01	12/8/2020	CCV		100	0.143		0.143	0.196	1		1	0.20	98%
1.9	19:01	12/8/2020	CCB		100	0.000		0.000	0.000	1		1	0.00	
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
1.9	19:01	12/8/2020	WG1441363-1	2.4887	100	0.000		0.000	0.000	1		1	0.00	
1.9	19:01	12/8/2020	WG1441363-6	2.4749	100	0.014	0.018	-0.004	0.000	1		1	0.00	DUP

					Final volume (ml)		Background Absorbance	Net Absorbance	Sample Result mg/kg	Dilution Factor	Spike conc. mg/kg		Spike Result mg/kg	Recovery %
1.9	19:01	12/8/2020	WG1441363-4	2.4743	100	0.361		0.361	0.00	50	1118.36	50	1001.68	90
					100					50	#DIV/0!	50		
1.9	19:01	12/8/2020	WG1441363-5	2.5415	100	0.302		0.302	0.00	25	393.47	25	407.72	104
1.9	19:01	12/8/2020	WG1441363-7	2.4640	100	0.262		0.262	0.00	10	162.34	10	145.88	90
1.9	19:01	12/8/2020	WG1441363-2	0.4674	100	0.178		0.178		1	47.40	1	52.17	110%
					100					1	47.40	1		
1.9	19:01	12/8/2020	WG1441363-3	2.5383	100	0.312		0.312		25	393.96	25	421.79	107

COMMENTS & OBSERVATIONS	SAMPLE RESULTS
	BLANK
Result in mg/l.	ICV
Result in mg/l.	ICB
	LCS
	L2051957-01
	L2051957-02
Result in mg/l.	CCV
Result in mg/l.	CCB
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
L2051957-01	

L2051957-01	
L2051957-01	
L2051957-01	
LCS	
LCSSOL	

Quality Control

Form 5a
Matrix Spike

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Client Sample ID	: Soluble Matrix Spike	**Matrix**	: SOIL
Lab Sample ID	: WG1441363-5		
Matrix Spike	: WG1441363-5	**MS Analysis Date**	: 12/08/20 19:01
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Chromium, Hexavalent	ND	458	475	104					75-125	20

Form 5a
Matrix Spike

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Client Sample ID	: SB23_0-2	**Matrix**	: SOIL
Lab Sample ID	: L2051957-01		
Matrix Spike	: WG1441363-4	**MS Analysis Date**	: 12/08/20 19:01
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Chromium, Hexavalent	ND	1300	1170	90					75-125	20

Form 5b
Post Digest Spike Recovery

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Client Sample ID	: SB23_0-2	**Matrix**	: SOIL
Lab Sample ID	: L2051957-01		
Post Spike	: WG1441363-7	**PS Analysis Date**	: 12/08/20 19:01

		Post Spike Sample			
	Sample Conc.	Spike Added	Spike Conc.	%R	Recovery Limits
Parameter	(mg/kg)	(mg/kg)	(mg/kg)		
Chromium, Hexavalent	ND	189	170	90	75-125

Form 6
Lab Duplicates

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Client Sample ID	: SB23_0-2	**Matrix**	: SOIL
Lab Sample ID	: L2051957-01	**Analysis Date**	: 12/08/20 19:01
Dup Sample ID	: WG1441363-6	**DUP Analysis Date**	: 12/08/20 19:01

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Chromium, Hexavalent	ND	ND	NC	20

Form 7
Laboratory Control Sample

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: WG1441363-2	**LCS Analysis Date**	: 12/08/20 19:01
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/kg)**	**Found (mg/kg)**	**%R**	**True (mg/kg)**	**Found (mg/kg)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Chromium, Hexavalent	**47.4**	**52.2**	**110.**					**80-120**	**20**

Form 7
Laboratory Control Sample

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Client Sample ID	: NA	**Matrix**	: SOIL
Lab Sample ID	: WG1441363-3	**LCS Analysis Date**	: 12/08/20 19:01
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/kg)**	**Found (mg/kg)**	**%R**	**True (mg/kg)**	**Found (mg/kg)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Chromium, Hexavalent	**394.**	**422.**	**107.**					**80-120**	**20**

Date Created: 11/07/16
Created By: Jason Hebert
File: PM2972-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Chromium, Hexavalent	18540-29-9	0.01	0.003	mg/l	85-115	20	85-115	20	20	3500Cr-B	24 hours	1 - Plastic 500ml unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 11/07/16
Created By: Jason Hebert
File: PM2973-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Chromium, Hexavalent	18540-29-9	0.8	0.16	mg/kg	80-120	20	75-125	20	20	7196A	30 days	1 - Glass 120ml/4oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Calculations of Hexavalent Chromium

Aqueous samples:

$$\text{mg } Cr^{+6}/L = \left(\frac{\text{absorbence - y-intercept}}{\text{slope}} \times \text{dilution} \right)$$

Solid samples:

$$\text{mg } Cr^{+6}/Kg = \left(\frac{\text{absorbence - y-intercept}}{\text{slope}} \right) \times \left(\frac{\text{dilution x 0.1L (final volume)}}{\text{weight (Kg) of sample}} \right)$$

Sample Preparation

1218

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Dec 04 2020, 05:29 pm

Work Group: WG1441363 for Department: 7 Wet Chemistry

Created: 04-DEC-20 Due: Operator: NA

Sample	Account #	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	CollectDate	Location
L2051957-01	**LANGAN-NYC**	SB23_0-2	S	HEXCR-7196	SOIL	WIP	U	1220	1208	S0	1120 10:15	Glass-A.120
L2051957-02	**LANGAN-NYC**	SB23_5-6	S	HEXCR-7196	SOIL	WIP	U	1220	1208	S0	1120 10:30	Glass-A.120
WG1441363-1	BLANK	Laboratory Method Bl	S	HEXCR-7196	SOIL	WIP	U					
WG1441363-2	LCS	Laboratory Control S	S	HEXCR-7196	SOIL	WIP	U					
WG1441363-3	LCSSOL	Soluble Laboratory C	S	HEXCR-7196	SOIL	WIP	U					
WG1441363-4	MS	Matrix Spike	S	HEXCR-7196	SOIL	WIP	U					
WG1441363-5	MSSOL	Soluble Matrix Spike	S	HEXCR-7196	SOIL	WIP	U					
WG1441363-6	DUP	Duplicate Sample	S	HEXCR-7196	SOIL	WIP	U					
WG1441363-7	PS	Post Digestion Spike	S	HEXCR-7196	SOIL	WIP	U					

Comments:

L2051957-01	ASP-B Package Due Date: 12/16/20 PM: BRAO
L2051957-02	ASP-B Package Due Date: 12/16/20 PM: BRAO
WG1441363-4	L2051957-01
WG1441363-5	L2051957-01
WG1441363-6	L2051957-01
WG1441363-7	L2051957-01

ALPHA ANALYTICAL

WET CHEMISTRY DEPARTMENT

CHROMIUM, HEXAVALENT

Last Change1/15/16 ljt
File HEXCR-S-2016.xlt

SOP No.: 07-12

Product: HEXCR-7196
Curve Calibration Date : 12/2/2020
Curve Identifier: 8:11:00 PM

Analysis: Hexavalent Chromium
Method: EPA 7196A
Instrument: GENSYS10vis
Wavelength: 540 nm

Analyte: Chromium, Hexavalent
Prep Date/Time: 12/4/20 19:20
Technician: NA
Work group: WG1441363
RDL: 0.8 mg/kg

Get Samples

Save to LIMS

Insoluble Spike/LCS: 1608.82
MS/MSD-PbCrO4 Weight(g): 0.0172

Standard ID	Mean signal (pk area) abs
0	0.000
0.01	0.010
0.1	0.073
0.5	0.363
1	0.728

Calibration Curve
Volume: 50 ml

Slope	y-intercept
0.726556	0.000848991

Correlation Coefficient
0.999992

ICV Concentration (mg/l) = 0.2
LCS Concentration (mg/kg) = 47.400

Reagents/Media Information

Material	Lot No.
Calibration Stds.:	HEX_052920_CAL
ICV:	HEX_110620_ICV
CCV:	HEX_110620_ICV
MS ($PbCrO_4$):	BCBQ1252V
0.6N H_2SO_4:	HEX_101920_H2SO4
Diphenylcarbazide:	HEX_110620_COLOR
Soluble LCS	WC-2674
Soluble MS ($K_2Cr_2O_7$):	WC-2713

HEXCR-7196

NJ-HEXCR-7196

pH	Time	Date	Sample number	Sample Weight (g)	Final Volume (ml)	Absorbance	Background Absorbance	Net Absorbance	RESULT (mg/l)	Dilution Factor		RDL Multiplier	FINAL RESULT (mg/kg)	
1.9	19:01	12/8/2020	BLANK		100					1		1		Recovery %
1.9	19:01	12/8/2020	ICV		100	0.141		0.141	0.193	1		1	0.19	96%
1.9	19:01	12/8/2020	ICB		100	0.000		0.000	0.000	1		1	0.00	
1.9	19:01	12/8/2020	LCS	0.4674	100	0.178		0.178	0.244	1		1	52.17	110%
1.9	19:01	12/8/2020	L2051957-01	2.464	100	0.004	0.014	-0.010	0.000	1		1	0.00	
1.9	19:01	12/8/2020	L2051957-02	2.5018	100	0.016	0.023	-0.007	0.000	1		1	0.00	
1.9	19:01	12/8/2020	CCV		100	0.143		0.143	0.196	1		1	0.20	98%
1.9	19:01	12/8/2020	CCB		100	0.000		0.000	0.000	1		1	0.00	
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
					100					1		1		
1.9	19:01	12/8/2020	WG1441363-1	2.4887	100	0.000		0.000	0.000	1		1	0.00	
1.9	19:01	12/8/2020	WG1441363-6	2.4749	100	0.014	0.018	-0.004	0.000	1		1	0.00	DUP

					Final volume (ml)		Background Absorbance	Net Absorbance	Sample Result mg/kg	Dilution Factor	Spike conc. mg/kg		Spike Result mg/kg	Recovery %
1.9	19:01	12/8/2020	WG1441363-4	2.4743	100	0.361		0.361	0.00	50	1118.36	50	1001.68	90
					100					50	#DIV/0!	50		
1.9	19:01	12/8/2020	WG1441363-5	2.5415	100	0.302		0.302	0.00	25	393.47	25	407.72	104
1.9	19:01	12/8/2020	WG1441363-7	2.4640	100	0.262		0.262	0.00	10	162.34	10	145.88	90
1.9	19:01	12/8/2020	WG1441363-2	0.4674	100	0.178		0.178		1	47.40	1	52.17	110%
					100					1	47.40	1		
1.9	19:01	12/8/2020	WG1441363-3	2.5383	100	0.312		0.312		25	393.96	25	421.79	107

COMMENTS & OBSERVATIONS	SAMPLE RESULTS
	BLANK
Result in mg/l.	ICV
Result in mg/l.	ICB
	LCS
	L2051957-01
	L2051957-02
Result in mg/l.	CCV
Result in mg/l.	CCB
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
L2051957-01	

L2051957-01	
L2051957-01	
L2051957-01	
LCS	
LCSSOL	

Analyst: NA **Date:** 12/4/20 **Sand Lot#:** 19F21569169 **Time On:** 19:20
Balance ID: 49 **Pipette ID:** 304 **Hot Block (°C):** 90 **Time Off:** 20:20

SRM	Soluble LCS	MgCl2	Spike Conc: 1000ppm		Digestion Solution		Phosphate Buffer		PbCrO4
Lot#: P107-921	Lot#: WC2730	Lot#: 111320	WC#: 2713		pH 7/2 Lot#: 112720		Lot #: 072420		Lot#: BCBQ1252V
Method	**Sample**	**Sample Wt (g)**	**Spk. Amt.**	**Digestion Solution (mL)**	**MgCl2 (g)**	**Phos Buffer (mL)**	**Final pH**	**Final Volume (mL)**	**Comments**
	Blank	2.4887		50	0.84	0.5	~~7.1~~	100mL	7.9
	SRM	2.5383					7.1		7.7 0.4674
	LSSOL	0.4674	1mL				~~7.4~~		7.8, 2.5383
HEXCR-7196	L2051957-01	2.4640					~~7.0~~		7.6
	-01D	2.4749					~~7.1~~		7.7
	-01MS	2.4743	0.0172				~~7.1~~		7.5
	-01SOL	2.5415	1mL				~~7.5~~		7.3
	-02	2.5018					~~7.3~~		7.9
	L2052003-03	2.4687					~~7.2~~		7.8
	-03D	2.4686					~~7.2~~		7.1
	-03MS	2.4556	0.0115				~~7.1~~		7.5
	-03SOL	2.5383	1mL				~~7.4~~		7.1
	L2053284-12	2.4908					~~7.1~~		7.1
	-12D	2.4812					~~7.1~~		7.1
	-12MS	2.4668	0.0146				~~7.1~~		7.1
	-12SOL	2.4626	1mL				7.1		7
	L2053302-01	2.4863					7.4		
	-01D	2.4546					7.1		
	-01MS	2.4933	0.0173				7.1		
	-01SOL	2.4903	1mL				7.1		
	L2053439-01	2.4887					7.2		
	-01D	2.4731					7.1		
	-01MS	2.4794	0.0174				7.1		
	-01SOL	2.4643	1mL				7.1		
	L2053534-01	2.5499					7.1		
	-01D	2.5055					~~7.1~~		
	-01MS	2.4780	0.0177				7.1		
	-01SOL	2.5121	1mL				7.1		
	-02	2.4550					7.1		
	-03	2.5274					7.1		

Total Solids / Percent Moisture Analysis

Results

Form 1
WETCHEM

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: L2051957-01	**Date Collected**	: 11/20/20 10:15
Client ID	: SB23_0-2	**Date Received**	: 11/20/20
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 12/02/20 11:15
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1440186.pdf	**Instrument ID**	: BALANCE#42
Sample Amount	:	**%Solids**	: 86
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**85.8**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: L2051957-02	**Date Collected**	: 11/20/20 10:30
Client ID	: SB23_5-6	**Date Received**	: 11/20/20
Sample Location	: NEW YORK, NY	**Date Analyzed**	: 12/02/20 11:15
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1440186.pdf	**Instrument ID**	: BALANCE#42
Sample Amount	:	**%Solids**	: 84
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**83.6**	**0.100**	**NA**	

Form 1
WETCHEM

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Lab ID	: WG1440186-1	**Date Collected**	: 12/01/20 08:10
Client ID	: WG1440186-1 DUP	**Date Received**	: 12/01/20
Sample Location	:	**Date Analyzed**	: 12/02/20 11:15
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 121,2540G	**Analyst**	: RI
Lab File ID	: WG1440186.pdf	**Instrument ID**	: BALANCE#42
Sample Amount	:	**%Solids**	: 95
Digestion Method	:	**Date Digested**	:

		%			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	**Solids, Total**	**95.8**	**0.100**	**NA**	

Sample Raw Data

Wet Chemistry Gravimetric ELN

Printed: DEC-02-20 17:23:48

WorkGroup WG1440186
Title Solids, Total
Method SM2540G
Instrumen BALANCE#42

Temp In (C)	105	**Temp In (C)**		**Temp In (C)**		**Temp In (C)**	
Temp Out (C)	105	**Temp Out (C)**		**Temp Out (C)**		**Temp Out (C)**	
Time In	02-DEC-20 11:29	**Time In**		**Time In**		**Time In**	
Time Out	02-DEC-20 16:55	**Time Out**		**Time Out**		**Time Out**	

Sample #	Analysis Date	Analyst	Tare Weight (gm)	Gross Weight (gm)	Net Weight (1) (gm)	Net Weight (2) (gm)	Net Weight (3) (gm)	Net Weight (4) (gm)	Result %	Comment
L2051957-01	02-DEC-20 11:15	ROMANY IBRAHIM	1.16	8.83	7.74				85.79	
L2051957-02	02-DEC-20 11:15	ROMANY IBRAHIM	1.15	8.65	7.42				83.60	
L2053214-01	02-DEC-20 11:15	ROMANY IBRAHIM	1.16	7	2.44				21.92	
L2053247-01	02-DEC-20 11:15	ROMANY IBRAHIM	1.16	8.72	8.32				94.71	
L2053247-02	02-DEC-20 11:15	ROMANY IBRAHIM	1.16	8.13	7.46				90.39	
L2053247-03	02-DEC-20 11:15	ROMANY IBRAHIM	1.15	9.71	8.92				90.77	
L2053247-04	02-DEC-20 11:15	ROMANY IBRAHIM	1.16	9.19	8.35				89.54	
L2053247-05	02-DEC-20 11:15	ROMANY IBRAHIM	1.16	8.73	7.92				89.30	
L2053248-01	02-DEC-20 11:15	ROMANY IBRAHIM	1.17	9.31	8.68				92.26	
L2053248-02	02-DEC-20 11:15	ROMANY IBRAHIM	1.16	9.29	8.57				91.14	
L2053248-05	02-DEC-20 11:15	ROMANY IBRAHIM	1.15	9.82	9.12				91.93	
L2053248-08	02-DEC-20 11:15	ROMANY IBRAHIM	1.16	8.86	8.25				92.08	
L2053248-11	02-DEC-20 11:15	ROMANY IBRAHIM	1.16	8.42	7.91				92.98	
L2053302-01	02-DEC-20 11:15	ROMANY IBRAHIM	1.15	8.84	7.85				87.13	
L2053302-02	02-DEC-20 11:15	ROMANY IBRAHIM	1.15	8.59	7.73				88.44	
L2053305-01	02-DEC-20 11:15	ROMANY IBRAHIM	1.17	8.66	7.4				83.18	
L2053308-07	02-DEC-20 11:15	ROMANY IBRAHIM	1.17	8.18	7.11				84.74	
L2053337-08	02-DEC-20 11:15	ROMANY IBRAHIM	1.15	8.05	7.06				85.65	
L2053337-11	02-DEC-20 11:15	ROMANY IBRAHIM	1.16	8.24	7.21				85.45	
WG1440186-1	02-DEC-20 11:15	ROMANY IBRAHIM	1.17	8.53	8.22				95.79	

Quality Control

Form 6
Lab Duplicates

Client	: Langan Engineering & Environmental	**Lab Number**	: L2051957
Project Name	: 266-270 W. 96TH STREET	**Project Number**	: 170432001
Client Sample ID	: NA	**Matrix**	: SLUDGE
Lab Sample ID	: NA	**Analysis Date**	: 12/02/20 11:15
Dup Sample ID	: WG1440186-1	**DUP Analysis Date**	: 12/02/20 11:15

Parameter	Sample Concentration (%)	Duplicate Concentration (%)	RPD	RPD Limit
Solids, Total	94.7	95.8	1	20

ANALYTICAL REPORT

Lab Number:	L2051958
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Kimberly Semon
Phone:	(212) 479-5486
Project Name:	266-270 W. 96TH STREET
Project Number:	170432001
Report Date:	12/09/20

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2051958-01	SB14_0-2	SOIL	NEW YORK, NY	11/20/20 09:00	11/20/20
L2051958-02	SB14_5-6	SOIL	NEW YORK, NY	11/20/20 09:30	11/20/20
L2051958-03	SB14_6-7	SOIL	NEW YORK, NY	11/20/20 10:00	11/20/20
L2051958-04	SB23_0-2	SOIL	NEW YORK, NY	11/20/20 10:15	11/20/20
L2051958-05	SBTB06_11202020	TRIP BLANK (AQUEOUS)	NEW YORK, NY	11/20/20 00:00	11/20/20
L2051958-06	SBEB05_11202020	EQUIPMENT BLANK	NEW YORK, NY	11/20/20 13:10	11/20/20
L2051958-07	SBFB02_11202020	FIELD BLANK	NEW YORK, NY	11/20/20 13:00	11/20/20
L2051958-08	SB23_5-6	SOIL	NEW YORK, NY	11/20/20 10:30	11/20/20
L2051958-09	TRIP BLANK		NEW YORK, NY	11/20/20 00:00	11/20/20

Project Name:	266-270 W. 96TH STREET	**Lab Number:**	L2051958
Project Number:	170432001	**Report Date:**	12/09/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958
Project Number: 170432001 **Report Date:** 12/09/20

Case Narrative (continued)

Report Submission
December 09, 2020: This final report includes the results of all requested analyses.
December 03, 2020: This is a preliminary report.
December 01, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics
The WG1436954-3 LCSD recovery, associated with L2051958-07, is below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Perfluorinated Alkyl Acids by Isotope Dilution
The WG1439380-3 LCSD recovery, associated with L2051958-01 through -03, is above the acceptance criteria for perfluorotetradecanoic acid (pfta) (139%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

Total Metals
L2051958-01 through -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
L2051958-07: The Field Blank has a result for lead present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

Cyanide, Total
The WG1438238-2 LCS recovery for cyanide, total (76%), associated with L2051958-01 through -03, is

Project Name:	266-270 W. 96TH STREET	**Lab Number:**	L2051958
Project Number:	170432001	**Report Date:**	12/09/20

Case Narrative (continued)

outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 12/09/20

ORGANICS

VOLATILES

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-01
Client ID: SB14_0-2
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 09:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/27/20 12:31
Analyst: AJK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	0.34	J	ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	0.51	J	ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	0.24	J	ug/kg	0.58	0.19	1
Toluene	1.5		ug/kg	1.2	0.63	1
Ethylbenzene	1.7		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-01 Date Collected: 11/20/20 09:00

Client ID: SB14_0-2 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	1.6	J	ug/kg	2.3	0.65	1
o-Xylene	0.80	J	ug/kg	1.2	0.34	1
Xylenes, Total	2.4	J	ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	0.21	J	ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	140		ug/kg	4.7	0.76	1
Acrylonitrile	ND		ug/kg	4.7	1.3	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-01 Date Collected: 11/20/20 09:00

Client ID: SB14_0-2 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	0.34	J	ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	0.94	J	ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	93	41.	1
p-Diethylbenzene	0.57	J	ug/kg	2.3	0.21	1
p-Ethyltoluene	1.5	J	ug/kg	2.3	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	88		70-130

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-02 Date Collected: 11/20/20 09:30
Client ID: SB14_5-6 Date Received: 11/20/20
Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/27/20 12:56
Analyst: AJK
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	10	4.6	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.29	1
Chloroform	0.82	J	ug/kg	3.0	0.28	1
Carbon tetrachloride	ND		ug/kg	2.0	0.47	1
1,2-Dichloropropane	ND		ug/kg	2.0	0.25	1
Dibromochloromethane	ND		ug/kg	2.0	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.54	1
Tetrachloroethene	1.3		ug/kg	1.0	0.40	1
Chlorobenzene	ND		ug/kg	1.0	0.26	1
Trichlorofluoromethane	ND		ug/kg	8.1	1.4	1
1,2-Dichloroethane	ND		ug/kg	2.0	0.52	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.34	1
Bromodichloromethane	ND		ug/kg	1.0	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	2.0	0.55	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.32	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.32	1
1,1-Dichloropropene	ND		ug/kg	1.0	0.32	1
Bromoform	ND		ug/kg	8.1	0.50	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.34	1
Benzene	ND		ug/kg	1.0	0.34	1
Toluene	ND		ug/kg	2.0	1.1	1
Ethylbenzene	ND		ug/kg	2.0	0.29	1
Chloromethane	ND		ug/kg	8.1	1.9	1
Bromomethane	ND		ug/kg	4.0	1.2	1
Vinyl chloride	ND		ug/kg	2.0	0.68	1
Chloroethane	ND		ug/kg	4.0	0.92	1
1,1-Dichloroethene	ND		ug/kg	2.0	0.48	1
trans-1,2-Dichloroethene	ND		ug/kg	3.0	0.28	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-02 Date Collected: 11/20/20 09:30

Client ID: SB14_5-6 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	1.0	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	4.0	0.29	1
1,3-Dichlorobenzene	ND		ug/kg	4.0	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	0.35	1
Methyl tert butyl ether	ND		ug/kg	4.0	0.41	1
p/m-Xylene	ND		ug/kg	4.0	1.1	1
o-Xylene	ND		ug/kg	2.0	0.59	1
Xylenes, Total	ND		ug/kg	2.0	0.59	1
cis-1,2-Dichloroethene	ND		ug/kg	2.0	0.36	1
1,2-Dichloroethene, Total	ND		ug/kg	2.0	0.28	1
Dibromomethane	ND		ug/kg	4.0	0.48	1
Styrene	ND		ug/kg	2.0	0.40	1
Dichlorodifluoromethane	ND		ug/kg	20	1.8	1
Acetone	ND		ug/kg	20	9.8	1
Carbon disulfide	ND		ug/kg	20	9.2	1
2-Butanone	ND		ug/kg	20	4.5	1
Vinyl acetate	ND		ug/kg	20	4.4	1
4-Methyl-2-pentanone	ND		ug/kg	20	2.6	1
1,2,3-Trichloropropane	ND		ug/kg	4.0	0.26	1
2-Hexanone	ND		ug/kg	20	2.4	1
Bromochloromethane	ND		ug/kg	4.0	0.42	1
2,2-Dichloropropane	ND		ug/kg	4.0	0.41	1
1,2-Dibromoethane	ND		ug/kg	2.0	0.57	1
1,3-Dichloropropane	ND		ug/kg	4.0	0.34	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.27	1
Bromobenzene	ND		ug/kg	4.0	0.29	1
n-Butylbenzene	ND		ug/kg	2.0	0.34	1
sec-Butylbenzene	ND		ug/kg	2.0	0.30	1
tert-Butylbenzene	ND		ug/kg	4.0	0.24	1
o-Chlorotoluene	ND		ug/kg	4.0	0.39	1
p-Chlorotoluene	ND		ug/kg	4.0	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	2.0	1
Hexachlorobutadiene	ND		ug/kg	8.1	0.34	1
Isopropylbenzene	ND		ug/kg	2.0	0.22	1
p-Isopropyltoluene	ND		ug/kg	2.0	0.22	1
Naphthalene	3.9	J	ug/kg	8.1	1.3	1
Acrylonitrile	ND		ug/kg	8.1	2.3	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-02 Date Collected: 11/20/20 09:30

Client ID: SB14_5-6 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	2.0	0.35	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	0.65	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	0.55	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	0.39	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	0.68	1
1,4-Dioxane	ND		ug/kg	160	71.	1
p-Diethylbenzene	ND		ug/kg	4.0	0.36	1
p-Ethyltoluene	ND		ug/kg	4.0	0.78	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.39	1
Ethyl ether	ND		ug/kg	4.0	0.69	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	10	2.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	89		70-130

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-03 Date Collected: 11/20/20 10:00
Client ID: SB14_6-7 Date Received: 11/20/20
Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/27/20 14:11
Analyst: AJK
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	700	320	1
1,1-Dichloroethane	ND		ug/kg	140	20.	1
Chloroform	ND		ug/kg	210	20.	1
Carbon tetrachloride	ND		ug/kg	140	32.	1
1,2-Dichloropropane	ND		ug/kg	140	18.	1
Dibromochloromethane	ND		ug/kg	140	20.	1
1,1,2-Trichloroethane	ND		ug/kg	140	38.	1
Tetrachloroethene	32	J	ug/kg	70	28.	1
Chlorobenzene	ND		ug/kg	70	18.	1
Trichlorofluoromethane	ND		ug/kg	560	98.	1
1,2-Dichloroethane	ND		ug/kg	140	36.	1
1,1,1-Trichloroethane	ND		ug/kg	70	23.	1
Bromodichloromethane	ND		ug/kg	70	15.	1
trans-1,3-Dichloropropene	ND		ug/kg	140	38.	1
cis-1,3-Dichloropropene	ND		ug/kg	70	22.	1
1,3-Dichloropropene, Total	ND		ug/kg	70	22.	1
1,1-Dichloropropene	ND		ug/kg	70	22.	1
Bromoform	ND		ug/kg	560	34.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	70	23.	1
Benzene	ND		ug/kg	70	23.	1
Toluene	ND		ug/kg	140	76.	1
Ethylbenzene	46	J	ug/kg	140	20.	1
Chloromethane	ND		ug/kg	560	130	1
Bromomethane	ND		ug/kg	280	82.	1
Vinyl chloride	ND		ug/kg	140	47.	1
Chloroethane	ND		ug/kg	280	64.	1
1,1-Dichloroethene	ND		ug/kg	140	33.	1
trans-1,2-Dichloroethene	ND		ug/kg	210	19.	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-03 Date Collected: 11/20/20 10:00

Client ID: SB14_6-7 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	70	19.	1
1,2-Dichlorobenzene	ND		ug/kg	280	20.	1
1,3-Dichlorobenzene	ND		ug/kg	280	21.	1
1,4-Dichlorobenzene	ND		ug/kg	280	24.	1
Methyl tert butyl ether	ND		ug/kg	280	28.	1
p/m-Xylene	ND		ug/kg	280	79.	1
o-Xylene	ND		ug/kg	140	41.	1
Xylenes, Total	ND		ug/kg	140	41.	1
cis-1,2-Dichloroethene	ND		ug/kg	140	24.	1
1,2-Dichloroethene, Total	ND		ug/kg	140	19.	1
Dibromomethane	ND		ug/kg	280	33.	1
Styrene	ND		ug/kg	140	28.	1
Dichlorodifluoromethane	ND		ug/kg	1400	130	1
Acetone	ND		ug/kg	1400	680	1
Carbon disulfide	ND		ug/kg	1400	640	1
2-Butanone	350	J	ug/kg	1400	310	1
Vinyl acetate	ND		ug/kg	1400	300	1
4-Methyl-2-pentanone	ND		ug/kg	1400	180	1
1,2,3-Trichloropropane	ND		ug/kg	280	18.	1
2-Hexanone	ND		ug/kg	1400	160	1
Bromochloromethane	ND		ug/kg	280	29.	1
2,2-Dichloropropane	ND		ug/kg	280	28.	1
1,2-Dibromoethane	ND		ug/kg	140	39.	1
1,3-Dichloropropane	ND		ug/kg	280	23.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	70	18.	1
Bromobenzene	ND		ug/kg	280	20.	1
n-Butylbenzene	ND		ug/kg	140	23.	1
sec-Butylbenzene	ND		ug/kg	140	20.	1
tert-Butylbenzene	ND		ug/kg	280	16.	1
o-Chlorotoluene	ND		ug/kg	280	27.	1
p-Chlorotoluene	ND		ug/kg	280	15.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	420	140	1
Hexachlorobutadiene	ND		ug/kg	560	24.	1
Isopropylbenzene	ND		ug/kg	140	15.	1
p-Isopropyltoluene	ND		ug/kg	140	15.	1
Naphthalene	9700		ug/kg	560	91.	1
Acrylonitrile	ND		ug/kg	560	160	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-03 Date Collected: 11/20/20 10:00

Client ID: SB14_6-7 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	140	24.	1
1,2,3-Trichlorobenzene	ND		ug/kg	280	45.	1
1,2,4-Trichlorobenzene	ND		ug/kg	280	38.	1
1,3,5-Trimethylbenzene	ND		ug/kg	280	27.	1
1,2,4-Trimethylbenzene	49	J	ug/kg	280	47.	1
1,4-Dioxane	ND		ug/kg	11000	4900	1
p-Diethylbenzene	ND		ug/kg	280	25.	1
p-Ethyltoluene	75	J	ug/kg	280	54.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	280	27.	1
Ethyl ether	ND		ug/kg	280	48.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	700	200	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	84		70-130

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-04
Client ID: SB23_0-2
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 10:15
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/30/20 07:26
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	420	190	1
1,1-Dichloroethane	ND		ug/kg	85	12.	1
Chloroform	ND		ug/kg	130	12.	1
Carbon tetrachloride	ND		ug/kg	85	20.	1
1,2-Dichloropropane	ND		ug/kg	85	11.	1
Dibromochloromethane	ND		ug/kg	85	12.	1
1,1,2-Trichloroethane	ND		ug/kg	85	23.	1
Tetrachloroethene	ND		ug/kg	42	17.	1
Chlorobenzene	ND		ug/kg	42	11.	1
Trichlorofluoromethane	ND		ug/kg	340	59.	1
1,2-Dichloroethane	ND		ug/kg	85	22.	1
1,1,1-Trichloroethane	ND		ug/kg	42	14.	1
Bromodichloromethane	ND		ug/kg	42	9.3	1
trans-1,3-Dichloropropene	ND		ug/kg	85	23.	1
cis-1,3-Dichloropropene	ND		ug/kg	42	13.	1
1,3-Dichloropropene, Total	ND		ug/kg	42	13.	1
1,1-Dichloropropene	ND		ug/kg	42	14.	1
Bromoform	ND		ug/kg	340	21.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	42	14.	1
Benzene	ND		ug/kg	42	14.	1
Toluene	84	J	ug/kg	85	46.	1
Ethylbenzene	180		ug/kg	85	12.	1
Chloromethane	ND		ug/kg	340	79.	1
Bromomethane	ND		ug/kg	170	49.	1
Vinyl chloride	ND		ug/kg	85	28.	1
Chloroethane	ND		ug/kg	170	38.	1
1,1-Dichloroethene	ND		ug/kg	85	20.	1
trans-1,2-Dichloroethene	ND		ug/kg	130	12.	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-04 Date Collected: 11/20/20 10:15

Client ID: SB23_0-2 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	42	12.	1
1,2-Dichlorobenzene	ND		ug/kg	170	12.	1
1,3-Dichlorobenzene	ND		ug/kg	170	12.	1
1,4-Dichlorobenzene	ND		ug/kg	170	14.	1
Methyl tert butyl ether	ND		ug/kg	170	17.	1
p/m-Xylene	140	J	ug/kg	170	48.	1
o-Xylene	71	J	ug/kg	85	25.	1
Xylenes, Total	210	J	ug/kg	85	25.	1
cis-1,2-Dichloroethene	ND		ug/kg	85	15.	1
1,2-Dichloroethene, Total	ND		ug/kg	85	12.	1
Dibromomethane	ND		ug/kg	170	20.	1
Styrene	ND		ug/kg	85	17.	1
Dichlorodifluoromethane	ND		ug/kg	850	78.	1
Acetone	ND		ug/kg	850	410	1
Carbon disulfide	ND		ug/kg	850	390	1
2-Butanone	230	J	ug/kg	850	190	1
Vinyl acetate	ND		ug/kg	850	180	1
4-Methyl-2-pentanone	ND		ug/kg	850	110	1
1,2,3-Trichloropropane	ND		ug/kg	170	11.	1
2-Hexanone	ND		ug/kg	850	100	1
Bromochloromethane	ND		ug/kg	170	17.	1
2,2-Dichloropropane	ND		ug/kg	170	17.	1
1,2-Dibromoethane	ND		ug/kg	85	24.	1
1,3-Dichloropropane	ND		ug/kg	170	14.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	42	11.	1
Bromobenzene	ND		ug/kg	170	12.	1
n-Butylbenzene	ND		ug/kg	85	14.	1
sec-Butylbenzene	ND		ug/kg	85	12.	1
tert-Butylbenzene	ND		ug/kg	170	10.	1
o-Chlorotoluene	ND		ug/kg	170	16.	1
p-Chlorotoluene	ND		ug/kg	170	9.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	85.	1
Hexachlorobutadiene	ND		ug/kg	340	14.	1
Isopropylbenzene	32	J	ug/kg	85	9.3	1
p-Isopropyltoluene	22	J	ug/kg	85	9.3	1
Naphthalene	32000	E	ug/kg	340	55.	1
Acrylonitrile	ND		ug/kg	340	98.	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-04 Date Collected: 11/20/20 10:15

Client ID: SB23_0-2 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	25	J	ug/kg	85	14.	1
1,2,3-Trichlorobenzene	ND		ug/kg	170	27.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	23.	1
1,3,5-Trimethylbenzene	59	J	ug/kg	170	16.	1
1,2,4-Trimethylbenzene	180		ug/kg	170	28.	1
1,4-Dioxane	ND		ug/kg	6800	3000	1
p-Diethylbenzene	230		ug/kg	170	15.	1
p-Ethyltoluene	310		ug/kg	170	33.	1
1,2,4,5-Tetramethylbenzene	41	J	ug/kg	170	16.	1
Ethyl ether	ND		ug/kg	170	29.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	420	120	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	82		70-130

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-04 D
Client ID: SB23_0-2
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 10:15
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/27/20 14:36
Analyst: AJK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Naphthalene	31000		ug/kg	680	110	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	86		70-130

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-05
Client ID: SBTB06_11202020
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 00:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Trip Blank (Aqueous)
Analytical Method: 1,8260C
Analytical Date: 11/23/20 13:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-05 Date Collected: 11/20/20 00:00

Client ID: SBTB06_11202020 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-05 Date Collected: 11/20/20 00:00

Client ID: SBTB06_11202020 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-07
Client ID: SBFB02_11202020
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 13:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8260C
Analytical Date: 11/23/20 13:33
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-07 Date Collected: 11/20/20 13:00

Client ID: SBFB02_11202020 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-07 Date Collected: 11/20/20 13:00

Client ID: SBFB02_11202020 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-08
Client ID: SB23_5-6
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 10:30
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/30/20 07:01
Analyst: MV
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	0.44	J	ug/kg	1.9	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.16	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	ND		ug/kg	0.62	0.24	1
Chlorobenzene	ND		ug/kg	0.62	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.86	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.62	0.21	1
Bromodichloromethane	ND		ug/kg	0.62	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.62	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.62	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.62	0.20	1
Bromoform	ND		ug/kg	5.0	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.21	1
Benzene	ND		ug/kg	0.62	0.21	1
Toluene	1.1	J	ug/kg	1.2	0.68	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.72	1
Vinyl chloride	ND		ug/kg	1.2	0.42	1
Chloroethane	ND		ug/kg	2.5	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-08 Date Collected: 11/20/20 10:30

Client ID: SB23_5-6 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.62	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.70	1
o-Xylene	ND		ug/kg	1.2	0.36	1
Xylenes, Total	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.30	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	6.0	1
Carbon disulfide	ND		ug/kg	12	5.7	1
2-Butanone	ND		ug/kg	12	2.8	1
Vinyl acetate	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	12	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.35	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.62	0.16	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.21	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.21	1
Isopropylbenzene	ND		ug/kg	1.2	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	ND		ug/kg	5.0	0.81	1
Acrylonitrile	ND		ug/kg	5.0	1.4	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-08 Date Collected: 11/20/20 10:30

Client ID: SB23_5-6 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1
1,4-Dioxane	ND		ug/kg	100	44.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	ND		ug/kg	2.5	0.48	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	90		70-130

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/23/20 09:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,07 Batch: WG1437727-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/23/20 09:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,07 Batch: WG1437727-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/23/20 09:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,07 Batch: WG1437727-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/27/20 10:01
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1439220-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.82	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/27/20 10:01
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1439220-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/27/20 10:01
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1439220-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	86		70-130

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/30/20 06:36
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1439221-12					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	31	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/30/20 06:36
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1439221-12					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/30/20 06:36
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1439221-12					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	87		70-130

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/27/20 10:01
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03-04 Batch: WG1439221-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	41	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/27/20 10:01
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03-04 Batch: WG1439221-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/27/20 10:01
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03-04 Batch: WG1439221-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	86		70-130

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/30/20 06:36
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1439308-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.62	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/30/20 06:36
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1439308-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/30/20 06:36
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1439308-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	87		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG1437727-3 WG1437727-4								
Methylene chloride	96		100		70-130	4		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	95		100		70-130	5		20
Dibromochloromethane	96		97		63-130	1		20
1,1,2-Trichloroethane	95		99		70-130	4		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		110		75-130	10		20
Trichlorofluoromethane	99		100		62-150	1		20
1,2-Dichloroethane	95		97		70-130	2		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	94		100		67-130	6		20
trans-1,3-Dichloropropene	98		99		70-130	1		20
cis-1,3-Dichloropropene	92		97		70-130	5		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	91		95		54-136	4		20
1,1,2,2-Tetrachloroethane	91		95		67-130	4		20
Benzene	97		100		70-130	3		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		110		70-130	10		20
Chloromethane	100		110		64-130	10		20
Bromomethane	**200**	Q	**190**	Q	39-139	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG1437727-3 WG1437727-4								
Vinyl chloride	100		110		55-140	10		20
Chloroethane	96		99		55-138	3		20
1,1-Dichloroethene	95		100		61-145	5		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		110		70-130	10		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	86		90		63-130	5		20
p/m-Xylene	100		110		70-130	10		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	93		98		70-130	5		20
Dibromomethane	89		94		70-130	5		20
1,2,3-Trichloropropane	91		94		64-130	3		20
Acrylonitrile	85		88		70-130	3		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	110		120		36-147	9		20
Acetone	80		78		58-148	3		20
Carbon disulfide	100		110		51-130	10		20
2-Butanone	78		82		63-138	5		20
Vinyl acetate	93		96		70-130	3		20
4-Methyl-2-pentanone	73		75		59-130	3		20
2-Hexanone	76		78		57-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG1437727-3 WG1437727-4								
Bromochloromethane	98		100		70-130	2		20
2,2-Dichloropropane	100		110		63-133	10		20
1,2-Dibromoethane	92		94		70-130	2		20
1,3-Dichloropropane	95		98		70-130	3		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		110		70-130	10		20
n-Butylbenzene	110		120		53-136	9		20
sec-Butylbenzene	100		110		70-130	10		20
tert-Butylbenzene	110		120		70-130	9		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	74		76		41-144	3		20
Hexachlorobutadiene	130		**140**	Q	63-130	7		20
Isopropylbenzene	100		110		70-130	10		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	82		89		70-130	8		20
n-Propylbenzene	110		120		69-130	9		20
1,2,3-Trichlorobenzene	97		110		70-130	13		20
1,2,4-Trichlorobenzene	110		110		70-130	0		20
1,3,5-Trimethylbenzene	100		110		64-130	10		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20
1,4-Dioxane	74		76		56-162	3		20
p-Diethylbenzene	110		120		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,07 Batch: WG1437727-3 WG1437727-4								
p-Ethyltoluene	110		120		70-130	9		20
1,2,4,5-Tetramethylbenzene	110		110		70-130	0		20
Ethyl ether	94		97		59-134	3		20
trans-1,4-Dichloro-2-butene	100		110		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		95		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	99		101		70-130
Dibromofluoromethane	98		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1439220-3 WG1439220-4								
Methylene chloride	84		83		70-130	1		30
1,1-Dichloroethane	91		88		70-130	3		30
Chloroform	86		81		70-130	6		30
Carbon tetrachloride	85		80		70-130	6		30
1,2-Dichloropropane	93		88		70-130	6		30
Dibromochloromethane	86		84		70-130	2		30
1,1,2-Trichloroethane	86		83		70-130	4		30
Tetrachloroethene	92		86		70-130	7		30
Chlorobenzene	88		83		70-130	6		30
Trichlorofluoromethane	90		86		70-139	5		30
1,2-Dichloroethane	78		76		70-130	3		30
1,1,1-Trichloroethane	85		81		70-130	5		30
Bromodichloromethane	82		79		70-130	4		30
trans-1,3-Dichloropropene	83		79		70-130	5		30
cis-1,3-Dichloropropene	90		84		70-130	7		30
1,1-Dichloropropene	94		86		70-130	9		30
Bromoform	90		87		70-130	3		30
1,1,2,2-Tetrachloroethane	88		86		70-130	2		30
Benzene	92		88		70-130	4		30
Toluene	87		82		70-130	6		30
Ethylbenzene	86		81		70-130	6		30
Chloromethane	112		106		52-130	6		30
Bromomethane	95		90		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1439220-3 WG1439220-4								
Vinyl chloride	109		103		67-130	6		30
Chloroethane	90		85		50-151	6		30
1,1-Dichloroethene	99		93		65-135	6		30
trans-1,2-Dichloroethene	92		90		70-130	2		30
Trichloroethene	92		85		70-130	8		30
1,2-Dichlorobenzene	91		87		70-130	4		30
1,3-Dichlorobenzene	91		87		70-130	4		30
1,4-Dichlorobenzene	91		86		70-130	6		30
Methyl tert butyl ether	83		80		66-130	4		30
p/m-Xylene	89		84		70-130	6		30
o-Xylene	87		82		70-130	6		30
cis-1,2-Dichloroethene	89		85		70-130	5		30
Dibromomethane	82		79		70-130	4		30
Styrene	87		82		70-130	6		30
Dichlorodifluoromethane	89		84		30-146	6		30
Acetone	83		79		54-140	5		30
Carbon disulfide	93		88		59-130	6		30
2-Butanone	82		79		70-130	4		30
Vinyl acetate	83		84		70-130	1		30
4-Methyl-2-pentanone	86		80		70-130	7		30
1,2,3-Trichloropropane	86		80		68-130	7		30
2-Hexanone	83		78		70-130	6		30
Bromochloromethane	90		87		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1439220-3 WG1439220-4								
2,2-Dichloropropane	86		81		70-130	6		30
1,2-Dibromoethane	83		81		70-130	2		30
1,3-Dichloropropane	83		81		69-130	2		30
1,1,1,2-Tetrachloroethane	90		85		70-130	6		30
Bromobenzene	91		85		70-130	7		30
n-Butylbenzene	90		86		70-130	5		30
sec-Butylbenzene	92		86		70-130	7		30
tert-Butylbenzene	91		87		70-130	4		30
o-Chlorotoluene	88		83		70-130	6		30
p-Chlorotoluene	88		84		70-130	5		30
1,2-Dibromo-3-chloropropane	84		80		68-130	5		30
Hexachlorobutadiene	90		88		67-130	2		30
Isopropylbenzene	92		87		70-130	6		30
p-Isopropyltoluene	92		87		70-130	6		30
Naphthalene	88		82		70-130	7		30
Acrylonitrile	98		92		70-130	6		30
n-Propylbenzene	92		87		70-130	6		30
1,2,3-Trichlorobenzene	88		82		70-130	7		30
1,2,4-Trichlorobenzene	93		89		70-130	4		30
1,3,5-Trimethylbenzene	89		84		70-130	6		30
1,2,4-Trimethylbenzene	90		85		70-130	6		30
1,4-Dioxane	119		100		65-136	17		30
p-Diethylbenzene	92		88		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1439220-3 WG1439220-4								
p-Ethyltoluene	92		87		70-130	6		30
1,2,4,5-Tetramethylbenzene	92		85		70-130	8		30
Ethyl ether	96		92		67-130	4		30
trans-1,4-Dichloro-2-butene	91		85		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	84		85		70-130
Toluene-d8	96		98		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	90		91		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1439221-10 WG1439221-11								
Methylene chloride	99		100		70-130	1		30
1,1-Dichloroethane	108		109		70-130	1		30
Chloroform	99		101		70-130	2		30
Carbon tetrachloride	99		99		70-130	0		30
1,2-Dichloropropane	108		109		70-130	1		30
Dibromochloromethane	96		98		70-130	2		30
1,1,2-Trichloroethane	96		98		70-130	2		30
Tetrachloroethene	107		105		70-130	2		30
Chlorobenzene	100		100		70-130	0		30
Trichlorofluoromethane	102		104		70-139	2		30
1,2-Dichloroethane	90		93		70-130	3		30
1,1,1-Trichloroethane	100		100		70-130	0		30
Bromodichloromethane	96		98		70-130	2		30
trans-1,3-Dichloropropene	92		94		70-130	2		30
cis-1,3-Dichloropropene	103		105		70-130	2		30
1,1-Dichloropropene	108		108		70-130	0		30
Bromoform	95		95		70-130	0		30
1,1,2,2-Tetrachloroethane	92		96		70-130	4		30
Benzene	109		109		70-130	0		30
Toluene	102		100		70-130	2		30
Ethylbenzene	99		97		70-130	2		30
Chloromethane	**137**	Q	**135**	Q	52-130	1		30
Bromomethane	114		114		57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1439221-10 WG1439221-11								
Vinyl chloride	**131**	Q	129		67-130	2		30
Chloroethane	106		105		50-151	1		30
1,1-Dichloroethene	114		114		65-135	0		30
trans-1,2-Dichloroethene	111		112		70-130	1		30
Trichloroethene	106		106		70-130	0		30
1,2-Dichlorobenzene	96		96		70-130	0		30
1,3-Dichlorobenzene	97		97		70-130	0		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	96		100		66-130	4		30
p/m-Xylene	101		100		70-130	1		30
o-Xylene	98		97		70-130	1		30
cis-1,2-Dichloroethene	105		106		70-130	1		30
Dibromomethane	96		99		70-130	3		30
Styrene	96		98		70-130	2		30
Dichlorodifluoromethane	121		120		30-146	1		30
Acetone	90		97		54-140	7		30
Carbon disulfide	109		108		59-130	1		30
2-Butanone	96		100		70-130	4		30
Vinyl acetate	102		104		70-130	2		30
4-Methyl-2-pentanone	94		97		70-130	3		30
1,2,3-Trichloropropane	89		92		68-130	3		30
2-Hexanone	89		94		70-130	5		30
Bromochloromethane	102		107		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1439221-10 WG1439221-11								
2,2-Dichloropropane	102		100		70-130	2		30
1,2-Dibromoethane	95		97		70-130	2		30
1,3-Dichloropropane	94		97		69-130	3		30
1,1,1,2-Tetrachloroethane	99		98		70-130	1		30
Bromobenzene	100		98		70-130	2		30
n-Butylbenzene	97		95		70-130	2		30
sec-Butylbenzene	98		97		70-130	1		30
tert-Butylbenzene	97		97		70-130	0		30
o-Chlorotoluene	96		94		70-130	2		30
p-Chlorotoluene	96		96		70-130	0		30
1,2-Dibromo-3-chloropropane	84		92		68-130	9		30
Hexachlorobutadiene	96		97		67-130	1		30
Isopropylbenzene	100		98		70-130	2		30
p-Isopropyltoluene	98		96		70-130	2		30
Naphthalene	89		95		70-130	7		30
Acrylonitrile	115		119		70-130	3		30
n-Propylbenzene	101		98		70-130	3		30
1,2,3-Trichlorobenzene	92		95		70-130	3		30
1,2,4-Trichlorobenzene	99		102		70-130	3		30
1,3,5-Trimethylbenzene	96		94		70-130	2		30
1,2,4-Trimethylbenzene	97		96		70-130	1		30
1,4-Dioxane	103		105		65-136	2		30
p-Diethylbenzene	98		98		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1439221-10 WG1439221-11								
p-Ethyltoluene	101		99		70-130	2		30
1,2,4,5-Tetramethylbenzene	94		95		70-130	1		30
Ethyl ether	109		114		67-130	4		30
trans-1,4-Dichloro-2-butene	95		98		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		86		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	92		92		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-04 Batch: WG1439221-3 WG1439221-4								
Methylene chloride	84		83		70-130	1		30
1,1-Dichloroethane	91		88		70-130	3		30
Chloroform	86		81		70-130	6		30
Carbon tetrachloride	85		80		70-130	6		30
1,2-Dichloropropane	93		88		70-130	6		30
Dibromochloromethane	86		84		70-130	2		30
1,1,2-Trichloroethane	86		83		70-130	4		30
Tetrachloroethene	92		86		70-130	7		30
Chlorobenzene	88		83		70-130	6		30
Trichlorofluoromethane	90		86		70-139	5		30
1,2-Dichloroethane	78		76		70-130	3		30
1,1,1-Trichloroethane	85		81		70-130	5		30
Bromodichloromethane	82		79		70-130	4		30
trans-1,3-Dichloropropene	83		79		70-130	5		30
cis-1,3-Dichloropropene	90		84		70-130	7		30
1,1-Dichloropropene	94		86		70-130	9		30
Bromoform	90		87		70-130	3		30
1,1,2,2-Tetrachloroethane	88		86		70-130	2		30
Benzene	92		88		70-130	4		30
Toluene	87		82		70-130	6		30
Ethylbenzene	86		81		70-130	6		30
Chloromethane	112		106		52-130	6		30
Bromomethane	95		90		57-147	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-04 Batch: WG1439221-3 WG1439221-4								
Vinyl chloride	109		103		67-130	6		30
Chloroethane	90		85		50-151	6		30
1,1-Dichloroethene	99		93		65-135	6		30
trans-1,2-Dichloroethene	92		90		70-130	2		30
Trichloroethene	92		85		70-130	8		30
1,2-Dichlorobenzene	91		87		70-130	4		30
1,3-Dichlorobenzene	91		87		70-130	4		30
1,4-Dichlorobenzene	91		86		70-130	6		30
Methyl tert butyl ether	83		80		66-130	4		30
p/m-Xylene	89		84		70-130	6		30
o-Xylene	87		82		70-130	6		30
cis-1,2-Dichloroethene	89		85		70-130	5		30
Dibromomethane	82		79		70-130	4		30
Styrene	87		82		70-130	6		30
Dichlorodifluoromethane	89		84		30-146	6		30
Acetone	83		79		54-140	5		30
Carbon disulfide	93		88		59-130	6		30
2-Butanone	82		79		70-130	4		30
Vinyl acetate	83		84		70-130	1		30
4-Methyl-2-pentanone	86		80		70-130	7		30
1,2,3-Trichloropropane	86		80		68-130	7		30
2-Hexanone	83		78		70-130	6		30
Bromochloromethane	90		87		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-04 Batch: WG1439221-3 WG1439221-4								
2,2-Dichloropropane	86		81		70-130	6		30
1,2-Dibromoethane	83		81		70-130	2		30
1,3-Dichloropropane	83		81		69-130	2		30
1,1,1,2-Tetrachloroethane	90		85		70-130	6		30
Bromobenzene	91		85		70-130	7		30
n-Butylbenzene	90		86		70-130	5		30
sec-Butylbenzene	92		86		70-130	7		30
tert-Butylbenzene	91		87		70-130	4		30
o-Chlorotoluene	88		83		70-130	6		30
p-Chlorotoluene	88		84		70-130	5		30
1,2-Dibromo-3-chloropropane	84		80		68-130	5		30
Hexachlorobutadiene	90		88		67-130	2		30
Isopropylbenzene	92		87		70-130	6		30
p-Isopropyltoluene	92		87		70-130	6		30
Naphthalene	88		82		70-130	7		30
Acrylonitrile	98		92		70-130	6		30
n-Propylbenzene	92		87		70-130	6		30
1,2,3-Trichlorobenzene	88		82		70-130	7		30
1,2,4-Trichlorobenzene	93		89		70-130	4		30
1,3,5-Trimethylbenzene	89		84		70-130	6		30
1,2,4-Trimethylbenzene	90		85		70-130	6		30
1,4-Dioxane	119		100		65-136	17		30
p-Diethylbenzene	92		88		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03-04 Batch: WG1439221-3 WG1439221-4								
p-Ethyltoluene	92		87		70-130	6		30
1,2,4,5-Tetramethylbenzene	92		85		70-130	8		30
Ethyl ether	96		92		67-130	4		30
trans-1,4-Dichloro-2-butene	91		85		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	84		85		70-130
Toluene-d8	96		98		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	90		91		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1439308-3 WG1439308-4								
Methylene chloride	99		100		70-130	1		30
1,1-Dichloroethane	108		109		70-130	1		30
Chloroform	99		101		70-130	2		30
Carbon tetrachloride	99		99		70-130	0		30
1,2-Dichloropropane	108		109		70-130	1		30
Dibromochloromethane	96		98		70-130	2		30
1,1,2-Trichloroethane	96		98		70-130	2		30
Tetrachloroethene	107		105		70-130	2		30
Chlorobenzene	100		100		70-130	0		30
Trichlorofluoromethane	102		104		70-139	2		30
1,2-Dichloroethane	90		93		70-130	3		30
1,1,1-Trichloroethane	100		100		70-130	0		30
Bromodichloromethane	96		98		70-130	2		30
trans-1,3-Dichloropropene	92		94		70-130	2		30
cis-1,3-Dichloropropene	103		105		70-130	2		30
1,1-Dichloropropene	108		108		70-130	0		30
Bromoform	95		95		70-130	0		30
1,1,2,2-Tetrachloroethane	92		96		70-130	4		30
Benzene	109		109		70-130	0		30
Toluene	102		100		70-130	2		30
Ethylbenzene	99		97		70-130	2		30
Chloromethane	**137**	Q	**135**	Q	52-130	1		30
Bromomethane	114		114		57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1439308-3 WG1439308-4								
Vinyl chloride	**131**	Q	129		67-130	2		30
Chloroethane	106		105		50-151	1		30
1,1-Dichloroethene	114		114		65-135	0		30
trans-1,2-Dichloroethene	111		112		70-130	1		30
Trichloroethene	106		106		70-130	0		30
1,2-Dichlorobenzene	96		96		70-130	0		30
1,3-Dichlorobenzene	97		97		70-130	0		30
1,4-Dichlorobenzene	98		98		70-130	0		30
Methyl tert butyl ether	96		100		66-130	4		30
p/m-Xylene	101		100		70-130	1		30
o-Xylene	98		97		70-130	1		30
cis-1,2-Dichloroethene	105		106		70-130	1		30
Dibromomethane	96		99		70-130	3		30
Styrene	96		98		70-130	2		30
Dichlorodifluoromethane	121		120		30-146	1		30
Acetone	90		97		54-140	7		30
Carbon disulfide	109		108		59-130	1		30
2-Butanone	96		100		70-130	4		30
Vinyl acetate	102		104		70-130	2		30
4-Methyl-2-pentanone	94		97		70-130	3		30
1,2,3-Trichloropropane	89		92		68-130	3		30
2-Hexanone	89		94		70-130	5		30
Bromochloromethane	102		107		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1439308-3 WG1439308-4								
2,2-Dichloropropane	102		100		70-130	2		30
1,2-Dibromoethane	95		97		70-130	2		30
1,3-Dichloropropane	94		97		69-130	3		30
1,1,1,2-Tetrachloroethane	99		98		70-130	1		30
Bromobenzene	100		98		70-130	2		30
n-Butylbenzene	97		95		70-130	2		30
sec-Butylbenzene	98		97		70-130	1		30
tert-Butylbenzene	97		97		70-130	0		30
o-Chlorotoluene	96		94		70-130	2		30
p-Chlorotoluene	96		96		70-130	0		30
1,2-Dibromo-3-chloropropane	84		92		68-130	9		30
Hexachlorobutadiene	96		97		67-130	1		30
Isopropylbenzene	100		98		70-130	2		30
p-Isopropyltoluene	98		96		70-130	2		30
Naphthalene	89		95		70-130	7		30
Acrylonitrile	115		119		70-130	3		30
n-Propylbenzene	101		98		70-130	3		30
1,2,3-Trichlorobenzene	92		95		70-130	3		30
1,2,4-Trichlorobenzene	99		102		70-130	3		30
1,3,5-Trimethylbenzene	96		94		70-130	2		30
1,2,4-Trimethylbenzene	97		96		70-130	1		30
1,4-Dioxane	103		105		65-136	2		30
p-Diethylbenzene	98		98		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1439308-3 WG1439308-4								
p-Ethyltoluene	101		99		70-130	2		30
1,2,4,5-Tetramethylbenzene	94		95		70-130	1		30
Ethyl ether	109		114		67-130	4		30
trans-1,4-Dichloro-2-butene	95		98		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		86		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	92		92		70-130

SEMIVOLATILES

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-01
Client ID: SB14_0-2
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 09:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/02/20 17:29
Analyst: SG
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 11/30/20 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.502	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.502	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.502	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.502	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.502	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.502	0.061	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.502	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.502	0.180	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.502	0.137	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.502	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.502	0.131	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.502	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.502	0.288	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.502	0.202	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.502	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.502	0.154	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.502	0.099	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.502	0.085	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.502	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.502	0.205	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.502	0.054	1
PFOA/PFOS, Total	ND		ug/kg	0.502	0.042	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-01 Date Collected: 11/20/20 09:00

Client ID: SB14_0-2 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	67		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	79		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	74		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	70		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	74		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	79		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	69		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	111		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	73		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	70		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	66		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	139		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	50		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	71		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	47		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	70		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	41		26-160

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-01 D
Client ID: SB14_0-2
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 09:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/25/20 16:42
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 11/23/20 11:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	5100		ug/kg	1500	200	10
1,2,4-Trichlorobenzene	ND		ug/kg	1900	220	10
Hexachlorobenzene	ND		ug/kg	1100	210	10
Bis(2-chloroethyl)ether	ND		ug/kg	1700	260	10
2-Chloronaphthalene	ND		ug/kg	1900	190	10
1,2-Dichlorobenzene	ND		ug/kg	1900	340	10
1,3-Dichlorobenzene	ND		ug/kg	1900	320	10
1,4-Dichlorobenzene	ND		ug/kg	1900	330	10
3,3'-Dichlorobenzidine	ND		ug/kg	1900	500	10
2,4-Dinitrotoluene	ND		ug/kg	1900	380	10
2,6-Dinitrotoluene	ND		ug/kg	1900	320	10
Fluoranthene	31000		ug/kg	1100	220	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1900	200	10
4-Bromophenyl phenyl ether	ND		ug/kg	1900	290	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2300	320	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2000	190	10
Hexachlorobutadiene	ND		ug/kg	1900	280	10
Hexachlorocyclopentadiene	ND		ug/kg	5400	1700	10
Hexachloroethane	ND		ug/kg	1500	310	10
Isophorone	ND		ug/kg	1700	240	10
Naphthalene	14000		ug/kg	1900	230	10
Nitrobenzene	ND		ug/kg	1700	280	10
NDPA/DPA	ND		ug/kg	1500	220	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1900	290	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1900	650	10
Butyl benzyl phthalate	ND		ug/kg	1900	480	10
Di-n-butylphthalate	ND		ug/kg	1900	360	10
Di-n-octylphthalate	ND		ug/kg	1900	640	10

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-01 D Date Collected: 11/20/20 09:00
Client ID: SB14_0-2 Date Received: 11/20/20
Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1900	180	10
Dimethyl phthalate	ND		ug/kg	1900	400	10
Benzo(a)anthracene	14000		ug/kg	1100	210	10
Benzo(a)pyrene	12000		ug/kg	1500	460	10
Benzo(b)fluoranthene	13000		ug/kg	1100	320	10
Benzo(k)fluoranthene	3500		ug/kg	1100	300	10
Chrysene	13000		ug/kg	1100	200	10
Acenaphthylene	540	J	ug/kg	1500	290	10
Anthracene	12000		ug/kg	1100	370	10
Benzo(ghi)perylene	7900		ug/kg	1500	220	10
Fluorene	5100		ug/kg	1900	180	10
Phenanthrene	45000		ug/kg	1100	230	10
Dibenzo(a,h)anthracene	1700		ug/kg	1100	220	10
Indeno(1,2,3-cd)pyrene	7200		ug/kg	1500	260	10
Pyrene	35000		ug/kg	1100	190	10
Biphenyl	1300	J	ug/kg	4300	440	10
4-Chloroaniline	ND		ug/kg	1900	340	10
2-Nitroaniline	ND		ug/kg	1900	360	10
3-Nitroaniline	ND		ug/kg	1900	360	10
4-Nitroaniline	ND		ug/kg	1900	780	10
Dibenzofuran	2500		ug/kg	1900	180	10
2-Methylnaphthalene	4500		ug/kg	2300	230	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1900	200	10
Acetophenone	ND		ug/kg	1900	230	10
2,4,6-Trichlorophenol	ND		ug/kg	1100	360	10
p-Chloro-m-cresol	ND		ug/kg	1900	280	10
2-Chlorophenol	ND		ug/kg	1900	220	10
2,4-Dichlorophenol	ND		ug/kg	1700	300	10
2,4-Dimethylphenol	ND		ug/kg	1900	620	10
2-Nitrophenol	ND		ug/kg	4100	710	10
4-Nitrophenol	ND		ug/kg	2600	770	10
2,4-Dinitrophenol	ND		ug/kg	9100	880	10
4,6-Dinitro-o-cresol	ND		ug/kg	4900	910	10
Pentachlorophenol	ND		ug/kg	1500	420	10
Phenol	390	J	ug/kg	1900	280	10
2-Methylphenol	ND		ug/kg	1900	290	10
3-Methylphenol/4-Methylphenol	1000	J	ug/kg	2700	300	10

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-01 D Date Collected: 11/20/20 09:00

Client ID: SB14_0-2 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1900	360	10
Benzoic Acid	ND		ug/kg	6100	1900	10
Benzyl Alcohol	ND		ug/kg	1900	580	10
Carbazole	4000		ug/kg	1900	180	10
1,4-Dioxane	ND		ug/kg	280	87.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	103		18-120

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-02
Client ID: SB14_5-6
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 09:30
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/24/20 06:35
Analyst: JRW
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 11/23/20 02:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	37.	1
1,4-Dichlorobenzene	ND		ug/kg	210	38.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	57.	1
2,4-Dinitrotoluene	ND		ug/kg	210	43.	1
2,6-Dinitrotoluene	ND		ug/kg	210	37.	1
Fluoranthene	830		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	190	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	53	J	ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	74.	1
Butyl benzyl phthalate	ND		ug/kg	210	54.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1
Di-n-octylphthalate	ND		ug/kg	210	73.	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-02 Date Collected: 11/20/20 09:30

Client ID: SB14_5-6 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	45.	1
Benzo(a)anthracene	750		ug/kg	130	24.	1
Benzo(a)pyrene	920		ug/kg	170	52.	1
Benzo(b)fluoranthene	1000		ug/kg	130	36.	1
Benzo(k)fluoranthene	370		ug/kg	130	34.	1
Chrysene	670		ug/kg	130	22.	1
Acenaphthylene	43	J	ug/kg	170	33.	1
Anthracene	46	J	ug/kg	130	42.	1
Benzo(ghi)perylene	490		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	21.	1
Phenanthrene	98	J	ug/kg	130	26.	1
Dibenzo(a,h)anthracene	130		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	530		ug/kg	170	30.	1
Pyrene	910		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	490	50.	1
4-Chloroaniline	ND		ug/kg	210	39.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	89.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	71.	1
2-Nitrophenol	ND		ug/kg	460	81.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-02 Date Collected: 11/20/20 09:30

Client ID: SB14_5-6 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	41.	1
Benzoic Acid	ND		ug/kg	700	220	1
Benzyl Alcohol	ND		ug/kg	210	66.	1
Carbazole	ND		ug/kg	210	21.	1
1,4-Dioxane	ND		ug/kg	32	9.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	52		18-120

Project Name: 266-270 W. 96TH STREET
Lab Number: L2051958
Project Number: 170432001
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-02
Client ID: SB14_5-6
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 09:30
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/02/20 17:46
Analyst: SG
Percent Solids: 77%

Extraction Method: ALPHA 23528
Extraction Date: 11/30/20 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.641	0.029	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.641	0.059	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.641	0.050	1
Perfluorohexanoic Acid (PFHxA)	0.074	J	ug/kg	0.641	0.067	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.641	0.058	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.641	0.078	1
Perfluorooctanoic Acid (PFOA)	0.067	J	ug/kg	0.641	0.054	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.641	0.230	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.641	0.175	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.641	0.096	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.641	0.167	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.641	0.086	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.641	0.368	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.641	0.258	1
Perfluoroundecanoic Acid (PFUnA)	0.141	J	ug/kg	0.641	0.060	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.641	0.196	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.641	0.126	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.641	0.108	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.641	0.090	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.641	0.262	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.641	0.069	1
PFOA/PFOS, Total	0.067	J	ug/kg	0.641	0.054	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-02 Date Collected: 11/20/20 09:30

Client ID: SB14_5-6 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	83		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	127		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	81		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	147		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	54		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	60		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	54		26-160

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-03
Client ID: SB14_6-7
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 10:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/24/20 09:37
Analyst: JRW
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 11/23/20 02:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	920		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	4400		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	2300		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-03 Date Collected: 11/20/20 10:00

Client ID: SB14_6-7 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	1900		ug/kg	120	22.	1
Benzo(a)pyrene	1700		ug/kg	160	48.	1
Benzo(b)fluoranthene	1700		ug/kg	120	33.	1
Benzo(k)fluoranthene	510		ug/kg	120	32.	1
Chrysene	1800		ug/kg	120	21.	1
Acenaphthylene	100	J	ug/kg	160	31.	1
Anthracene	1900		ug/kg	120	39.	1
Benzo(ghi)perylene	990		ug/kg	160	23.	1
Fluorene	1000		ug/kg	200	19.	1
Phenanthrene	6600		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	190		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	900		ug/kg	160	28.	1
Pyrene	5000		ug/kg	120	20.	1
Biphenyl	240	J	ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	390		ug/kg	200	19.	1
2-Methylnaphthalene	900		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	95.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	140	J	ug/kg	280	31.	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-03 Date Collected: 11/20/20 10:00

Client ID: SB14_6-7 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	420		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	107		10-136
4-Terphenyl-d14	67		18-120

Project Name: 266-270 W. 96TH STREET
Lab Number: L2051958
Project Number: 170432001
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-03
Client ID: SB14_6-7
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 10:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/02/20 18:03
Analyst: SG
Percent Solids: 84%

Extraction Method: ALPHA 23528
Extraction Date: 11/30/20 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.036	J	ug/kg	0.549	0.025	1
Perfluoropentanoic Acid (PFPeA)	0.063	J	ug/kg	0.549	0.051	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.549	0.043	1
Perfluorohexanoic Acid (PFHxA)	0.104	J	ug/kg	0.549	0.058	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.549	0.050	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.549	0.066	1
Perfluorooctanoic Acid (PFOA)	0.094	J	ug/kg	0.549	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.549	0.197	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.549	0.150	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.549	0.082	1
Perfluorooctanesulfonic Acid (PFOS)	0.274	J	ug/kg	0.549	0.143	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.549	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.549	0.315	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.549	0.221	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.549	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.549	0.168	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.549	0.108	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.549	0.093	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.549	0.077	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.549	0.224	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.549	0.059	1
PFOA/PFOS, Total	0.368	J	ug/kg	0.549	0.046	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-03 Date Collected: 11/20/20 10:00

Client ID: SB14_6-7 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	80		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	92		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	136		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	85		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	79		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	156		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	45		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	31		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	47		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	48		26-160

Project Name: 266-270 W. 96TH STREET
Lab Number: L2051958
Project Number: 170432001
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-06
Client ID: SBEB05_11202020
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 13:10
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Equipment Blank
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/04/20 13:10
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/03/20 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.81	0.370	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.81	0.359	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.81	0.216	1
Perfluorohexanoic Acid (PFHxA)	0.428	JF	ng/l	1.81	0.297	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.81	0.204	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.81	0.341	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.81	0.214	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.81	1.21	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.81	0.624	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.81	0.283	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.81	0.457	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.81	0.276	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.81	1.10	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.81	0.588	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.81	0.236	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.81	0.889	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.81	0.526	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.81	0.729	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.81	0.337	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.81	0.297	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.81	0.225	1
PFOA/PFOS, Total	ND		ng/l	1.81	0.214	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-06 Date Collected: 11/20/20 13:10

Client ID: SBEB05_11202020 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	117		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	100		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	113		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	143		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	99		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		33-143

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-07
Client ID: SBFB02_11202020
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 13:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8270D
Analytical Date: 11/23/20 03:12
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 11/21/20 23:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-07 Date Collected: 11/20/20 13:00

Client ID: SBFB02_11202020 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	45		10-120
4-Terphenyl-d14	68		41-149

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-07
Client ID: SBFB02_11202020
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 13:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8270D-SIM
Analytical Date: 11/22/20 17:15
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 11/21/20 23:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-07 Date Collected: 11/20/20 13:00

Client ID: SBFB02_11202020 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	42		10-120
4-Terphenyl-d14	56		41-149

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-07
Client ID: SBFB02_11202020
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 13:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8270D-SIM
Analytical Date: 11/29/20 11:27
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 11/23/20 11:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270D-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	134	30.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	48		15-110

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-07
Client ID: SBFB02_11202020
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 13:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/04/20 13:26
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/03/20 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.80	0.368	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.80	0.357	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.80	0.215	1
Perfluorohexanoic Acid (PFHxA)	0.538	J	ng/l	1.80	0.296	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.80	0.203	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.80	0.339	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.80	0.213	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.80	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.80	0.621	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.80	0.282	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.80	0.455	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.80	0.274	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.80	0.585	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.80	0.235	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.80	0.884	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.80	0.523	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.80	0.726	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.80	0.336	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.80	0.295	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.80	0.224	1
PFOA/PFOS, Total	ND		ng/l	1.80	0.213	1

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-07 Date Collected: 11/20/20 13:00

Client ID: SBFB02_11202020 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	118		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	104		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	131		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	143		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	88		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	29		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	65		33-143

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/22/20 03:52
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 11/21/20 04:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1436954-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/22/20 03:52
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 11/21/20 04:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1436954-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/22/20 03:52
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 11/21/20 04:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1436954-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	89		41-149

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/21/20 13:52
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/21/20 04:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG1436955-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	0.03	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/21/20 13:52
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/21/20 04:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG1436955-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	**128**	Q	10-120
4-Terphenyl-d14	102		41-149

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/24/20 02:07
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/23/20 02:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1437328-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/24/20 02:07
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/23/20 02:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1437328-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/24/20 02:07
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/23/20 02:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1437328-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	86		18-120

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/29/20 10:13
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 11/23/20 11:30

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 07 Batch: WG1437468-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	41		15-110

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/24/20 03:10
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 11/23/20 11:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1437515-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/24/20 03:10
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 11/23/20 11:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1437515-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/24/20 03:10
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 11/23/20 11:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1437515-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	117		10-136
4-Terphenyl-d14	92		18-120

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/01/20 18:20
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 11/30/20 17:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1439380-1					
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.500	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.500	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.500	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.500	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.500	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.500	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.500	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.500	0.054
PFOA/PFOS, Total	ND		ug/kg	0.500	0.042

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/01/20 18:20
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 11/30/20 17:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1439380-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	108		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	122		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	148		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	52		26-160

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/03/20 16:27
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 11/30/20 17:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1439380-1					
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	80		1-125

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/04/20 12:03
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/03/20 17:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 06-07 Batch: WG1440666-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	0.500	JF	ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/04/20 12:03
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/03/20 17:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 06-07 Batch: WG1440666-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	124		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	107		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	104		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	106		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	129		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	152		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	87		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	29		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	82		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		33-143

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/07/20 15:25
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 12/03/20 17:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 06-07 Batch: WG1440666-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	71		1-87

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1436954-2 WG1436954-3								
Acenaphthene	91		86		37-111	6		30
1,2,4-Trichlorobenzene	84		83		39-98	1		30
Hexachlorobenzene	93		89		40-140	4		30
Bis(2-chloroethyl)ether	88		84		40-140	5		30
2-Chloronaphthalene	88		86		40-140	2		30
1,2-Dichlorobenzene	82		80		40-140	2		30
1,3-Dichlorobenzene	83		80		40-140	4		30
1,4-Dichlorobenzene	83		81		36-97	2		30
3,3'-Dichlorobenzidine	61		69		40-140	12		30
2,4-Dinitrotoluene	94		91		48-143	3		30
2,6-Dinitrotoluene	93		91		40-140	2		30
Fluoranthene	100		99		40-140	1		30
4-Chlorophenyl phenyl ether	92		87		40-140	6		30
4-Bromophenyl phenyl ether	94		92		40-140	2		30
Bis(2-chloroisopropyl)ether	86		83		40-140	4		30
Bis(2-chloroethoxy)methane	89		86		40-140	3		30
Hexachlorobutadiene	80		81		40-140	1		30
Hexachlorocyclopentadiene	69		70		40-140	1		30
Hexachloroethane	82		76		40-140	8		30
Isophorone	94		92		40-140	2		30
Naphthalene	84		83		40-140	1		30
Nitrobenzene	90		87		40-140	3		30
NDPA/DPA	95		94		40-140	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1436954-2 WG1436954-3								
n-Nitrosodi-n-propylamine	96		94		29-132	2		30
Bis(2-ethylhexyl)phthalate	87		85		40-140	2		30
Butyl benzyl phthalate	97		97		40-140	0		30
Di-n-butylphthalate	90		89		40-140	1		30
Di-n-octylphthalate	97		94		40-140	3		30
Diethyl phthalate	96		91		40-140	5		30
Dimethyl phthalate	93		92		40-140	1		30
Benzo(a)anthracene	94		92		40-140	2		30
Benzo(a)pyrene	102		99		40-140	3		30
Benzo(b)fluoranthene	97		94		40-140	3		30
Benzo(k)fluoranthene	105		101		40-140	4		30
Chrysene	95		92		40-140	3		30
Acenaphthylene	94		94		45-123	0		30
Anthracene	97		95		40-140	2		30
Benzo(ghi)perylene	99		95		40-140	4		30
Fluorene	96		91		40-140	5		30
Phenanthrene	92		91		40-140	1		30
Dibenzo(a,h)anthracene	97		93		40-140	4		30
Indeno(1,2,3-cd)pyrene	99		96		40-140	3		30
Pyrene	98		98		26-127	0		30
Biphenyl	91		90		40-140	1		30
4-Chloroaniline	**36**	Q	65		40-140	**57**	Q	30
2-Nitroaniline	94		93		52-143	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1436954-2 WG1436954-3								
3-Nitroaniline	76		79		25-145	4		30
4-Nitroaniline	86		85		51-143	1		30
Dibenzofuran	92		87		40-140	6		30
2-Methylnaphthalene	86		85		40-140	1		30
1,2,4,5-Tetrachlorobenzene	88		86		2-134	2		30
Acetophenone	92		88		39-129	4		30
2,4,6-Trichlorophenol	91		93		30-130	2		30
p-Chloro-m-cresol	96		95		23-97	1		30
2-Chlorophenol	91		89		27-123	2		30
2,4-Dichlorophenol	96		92		30-130	4		30
2,4-Dimethylphenol	54		80		30-130	**39**	Q	30
2-Nitrophenol	94		91		30-130	3		30
4-Nitrophenol	**94**	Q	**88**	Q	10-80	7		30
2,4-Dinitrophenol	82		55		20-130	**39**	Q	30
4,6-Dinitro-o-cresol	93		80		20-164	15		30
Pentachlorophenol	76		54		9-103	**34**	Q	30
Phenol	64		65		12-110	2		30
2-Methylphenol	85		89		30-130	5		30
3-Methylphenol/4-Methylphenol	90		96		30-130	6		30
2,4,5-Trichlorophenol	95		94		30-130	1		30
Benzoic Acid	46		**0**	Q	10-164	NC		30
Benzyl Alcohol	86		84		26-116	2		30
Carbazole	98		96		55-144	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1436954-2 WG1436954-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	76		79		21-120
Phenol-d6	69		72		10-120
Nitrobenzene-d5	89		88		23-120
2-Fluorobiphenyl	85		82		15-120
2,4,6-Tribromophenol	**129**	Q	**125**	Q	10-120
4-Terphenyl-d14	98		99		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG1436955-2 WG1436955-3								
Acenaphthene	77		91		40-140	17		40
2-Chloronaphthalene	79		94		40-140	17		40
Fluoranthene	109		112		40-140	3		40
Hexachlorobutadiene	66		81		40-140	20		40
Naphthalene	68		84		40-140	21		40
Benzo(a)anthracene	110		113		40-140	3		40
Benzo(a)pyrene	121		123		40-140	2		40
Benzo(b)fluoranthene	112		113		40-140	1		40
Benzo(k)fluoranthene	106		111		40-140	5		40
Chrysene	96		102		40-140	6		40
Acenaphthylene	92		106		40-140	14		40
Anthracene	100		107		40-140	7		40
Benzo(ghi)perylene	116		118		40-140	2		40
Fluorene	88		101		40-140	14		40
Phenanthrene	90		96		40-140	6		40
Dibenzo(a,h)anthracene	124		126		40-140	2		40
Indeno(1,2,3-cd)pyrene	129		128		40-140	1		40
Pyrene	108		112		40-140	4		40
2-Methylnaphthalene	76		93		40-140	20		40
Pentachlorophenol	64		**33**	Q	40-140	**64**	Q	40
Hexachlorobenzene	86		93		40-140	8		40
Hexachloroethane	54		70		40-140	26		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG1436955-2 WG1436955-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	52		66		21-120
Phenol-d6	44		53		10-120
Nitrobenzene-d5	69		85		23-120
2-Fluorobiphenyl	78		93		15-120
2,4,6-Tribromophenol	**132**	Q	**132**	Q	10-120
4-Terphenyl-d14	98		99		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1437328-2 WG1437328-3								
Acenaphthene	64		65		31-137	2		50
1,2,4-Trichlorobenzene	66		68		38-107	3		50
Hexachlorobenzene	79		82		40-140	4		50
Bis(2-chloroethyl)ether	68		69		40-140	1		50
2-Chloronaphthalene	68		70		40-140	3		50
1,2-Dichlorobenzene	67		67		40-140	0		50
1,3-Dichlorobenzene	67		68		40-140	1		50
1,4-Dichlorobenzene	66		65		28-104	2		50
3,3'-Dichlorobenzidine	63		73		40-140	15		50
2,4-Dinitrotoluene	69		72		40-132	4		50
2,6-Dinitrotoluene	72		76		40-140	5		50
Fluoranthene	67		70		40-140	4		50
4-Chlorophenyl phenyl ether	67		71		40-140	6		50
4-Bromophenyl phenyl ether	74		76		40-140	3		50
Bis(2-chloroisopropyl)ether	58		60		40-140	3		50
Bis(2-chloroethoxy)methane	70		72		40-117	3		50
Hexachlorobutadiene	70		69		40-140	1		50
Hexachlorocyclopentadiene	62		63		40-140	2		50
Hexachloroethane	65		63		40-140	3		50
Isophorone	66		69		40-140	4		50
Naphthalene	67		67		40-140	0		50
Nitrobenzene	65		66		40-140	2		50
NDPA/DPA	66		70		36-157	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1437328-2 WG1437328-3								
n-Nitrosodi-n-propylamine	69		71		32-121	3		50
Bis(2-ethylhexyl)phthalate	70		73		40-140	4		50
Butyl benzyl phthalate	70		74		40-140	6		50
Di-n-butylphthalate	72		74		40-140	3		50
Di-n-octylphthalate	69		72		40-140	4		50
Diethyl phthalate	67		70		40-140	4		50
Dimethyl phthalate	69		74		40-140	7		50
Benzo(a)anthracene	64		67		40-140	5		50
Benzo(a)pyrene	73		75		40-140	3		50
Benzo(b)fluoranthene	70		71		40-140	1		50
Benzo(k)fluoranthene	66		70		40-140	6		50
Chrysene	66		67		40-140	2		50
Acenaphthylene	72		74		40-140	3		50
Anthracene	69		71		40-140	3		50
Benzo(ghi)perylene	69		73		40-140	6		50
Fluorene	68		68		40-140	0		50
Phenanthrene	66		68		40-140	3		50
Dibenzo(a,h)anthracene	71		74		40-140	4		50
Indeno(1,2,3-cd)pyrene	66		70		40-140	6		50
Pyrene	69		70		35-142	1		50
Biphenyl	72		76		37-127	5		50
4-Chloroaniline	55		59		40-140	7		50
2-Nitroaniline	71		74		47-134	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1437328-2 WG1437328-3								
3-Nitroaniline	60		65		26-129	8		50
4-Nitroaniline	64		66		41-125	3		50
Dibenzofuran	66		69		40-140	4		50
2-Methylnaphthalene	66		68		40-140	3		50
1,2,4,5-Tetrachlorobenzene	81		82		40-117	1		50
Acetophenone	69		70		14-144	1		50
2,4,6-Trichlorophenol	74		76		30-130	3		50
p-Chloro-m-cresol	69		71		26-103	3		50
2-Chlorophenol	72		75		25-102	4		50
2,4-Dichlorophenol	74		80		30-130	8		50
2,4-Dimethylphenol	74		77		30-130	4		50
2-Nitrophenol	73		75		30-130	3		50
4-Nitrophenol	64		66		11-114	3		50
2,4-Dinitrophenol	56		62		4-130	10		50
4,6-Dinitro-o-cresol	66		69		10-130	4		50
Pentachlorophenol	65		69		17-109	6		50
Phenol	65		67		26-90	3		50
2-Methylphenol	72		75		30-130.	4		50
3-Methylphenol/4-Methylphenol	77		81		30-130	5		50
2,4,5-Trichlorophenol	74		77		30-130	4		50
Benzoic Acid	36		37		10-110	3		50
Benzyl Alcohol	71		74		40-140	4		50
Carbazole	67		71		54-128	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1437328-2 WG1437328-3								
1,4-Dioxane	48		48		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		79		25-120
Phenol-d6	74		78		10-120
Nitrobenzene-d5	69		70		23-120
2-Fluorobiphenyl	73		76		30-120
2,4,6-Tribromophenol	86		92		10-136
4-Terphenyl-d14	80		84		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 07 Batch: WG1437468-2 WG1437468-3								
1,4-Dioxane	127		124		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	46		46		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1437515-2 WG1437515-3								
Acenaphthene	75		78		31-137	4		50
1,2,4-Trichlorobenzene	75		78		38-107	4		50
Hexachlorobenzene	79		82		40-140	4		50
Bis(2-chloroethyl)ether	83		87		40-140	5		50
2-Chloronaphthalene	80		81		40-140	1		50
1,2-Dichlorobenzene	74		76		40-140	3		50
1,3-Dichlorobenzene	72		76		40-140	5		50
1,4-Dichlorobenzene	72		76		28-104	5		50
3,3'-Dichlorobenzidine	64		59		40-140	8		50
2,4-Dinitrotoluene	88		92		40-132	4		50
2,6-Dinitrotoluene	87		92		40-140	6		50
Fluoranthene	84		88		40-140	5		50
4-Chlorophenyl phenyl ether	80		84		40-140	5		50
4-Bromophenyl phenyl ether	79		84		40-140	6		50
Bis(2-chloroisopropyl)ether	102		108		40-140	6		50
Bis(2-chloroethoxy)methane	85		91		40-117	7		50
Hexachlorobutadiene	79		80		40-140	1		50
Hexachlorocyclopentadiene	90		92		40-140	2		50
Hexachloroethane	78		82		40-140	5		50
Isophorone	84		90		40-140	7		50
Naphthalene	80		80		40-140	0		50
Nitrobenzene	88		89		40-140	1		50
NDPA/DPA	82		84		36-157	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1437515-2 WG1437515-3								
n-Nitrosodi-n-propylamine	89		94		32-121	5		50
Bis(2-ethylhexyl)phthalate	98		110		40-140	12		50
Butyl benzyl phthalate	101		111		40-140	9		50
Di-n-butylphthalate	91		103		40-140	12		50
Di-n-octylphthalate	92		103		40-140	11		50
Diethyl phthalate	84		90		40-140	7		50
Dimethyl phthalate	79		85		40-140	7		50
Benzo(a)anthracene	79		81		40-140	3		50
Benzo(a)pyrene	99		98		40-140	1		50
Benzo(b)fluoranthene	86		85		40-140	1		50
Benzo(k)fluoranthene	87		88		40-140	1		50
Chrysene	80		82		40-140	2		50
Acenaphthylene	78		80		40-140	3		50
Anthracene	84		88		40-140	5		50
Benzo(ghi)perylene	82		83		40-140	1		50
Fluorene	80		84		40-140	5		50
Phenanthrene	82		87		40-140	6		50
Dibenzo(a,h)anthracene	81		83		40-140	2		50
Indeno(1,2,3-cd)pyrene	84		86		40-140	2		50
Pyrene	81		85		35-142	5		50
Biphenyl	78		83		37-127	6		50
4-Chloroaniline	93		92		40-140	1		50
2-Nitroaniline	91		92		47-134	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1437515-2 WG1437515-3								
3-Nitroaniline	67		64		26-129	5		50
4-Nitroaniline	86		87		41-125	1		50
Dibenzofuran	78		80		40-140	3		50
2-Methylnaphthalene	76		80		40-140	5		50
1,2,4,5-Tetrachlorobenzene	80		84		40-117	5		50
Acetophenone	83		86		14-144	4		50
2,4,6-Trichlorophenol	86		89		30-130	3		50
p-Chloro-m-cresol	92		94		26-103	2		50
2-Chlorophenol	82		83		25-102	1		50
2,4-Dichlorophenol	81		83		30-130	2		50
2,4-Dimethylphenol	84		87		30-130	4		50
2-Nitrophenol	81		85		30-130	5		50
4-Nitrophenol	**116**	Q	**117**	Q	11-114	1		50
2,4-Dinitrophenol	76		79		4-130	4		50
4,6-Dinitro-o-cresol	93		95		10-130	2		50
Pentachlorophenol	96		101		17-109	5		50
Phenol	85		87		26-90	2		50
2-Methylphenol	83		85		30-130.	2		50
3-Methylphenol/4-Methylphenol	82		85		30-130	4		50
2,4,5-Trichlorophenol	87		88		30-130	1		50
Benzoic Acid	46		43		10-110	7		50
Benzyl Alcohol	90		94		40-140	4		50
Carbazole	84		86		54-128	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1437515-2 WG1437515-3								
1,4-Dioxane	70		68		40-140	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		82		25-120
Phenol-d6	89		90		10-120
Nitrobenzene-d5	86		87		23-120
2-Fluorobiphenyl	75		77		30-120
2,4,6-Tribromophenol	86		91		10-136
4-Terphenyl-d14	78		83		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1439380-2 WG1439380-3								
Perfluorobutanoic Acid (PFBA)	100		111		71-135	10		30
Perfluoropentanoic Acid (PFPeA)	100		111		69-132	10		30
Perfluorobutanesulfonic Acid (PFBS)	102		118		72-128	15		30
Perfluorohexanoic Acid (PFHxA)	103		117		70-132	13		30
Perfluoroheptanoic Acid (PFHpA)	98		113		71-131	14		30
Perfluorohexanesulfonic Acid (PFHxS)	104		119		67-130	13		30
Perfluorooctanoic Acid (PFOA)	99		112		69-133	12		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	104		132		64-140	24		30
Perfluoroheptanesulfonic Acid (PFHpS)	105		115		70-132	9		30
Perfluorononanoic Acid (PFNA)	92		106		72-129	14		30
Perfluorooctanesulfonic Acid (PFOS)	107		119		68-136	11		30
Perfluorodecanoic Acid (PFDA)	100		115		69-133	14		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	118		129		65-137	9		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	100		119		63-144	17		30
Perfluoroundecanoic Acid (PFUnA)	104		120		64-136	14		30
Perfluorodecanesulfonic Acid (PFDS)	95		116		59-134	20		30
Perfluorooctanesulfonamide (FOSA)	100		110		67-137	10		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	109		103		61-139	6		30
Perfluorododecanoic Acid (PFDoA)	106		118		69-135	11		30
Perfluorotridecanoic Acid (PFTrDA)	97		116		66-139	18		30
Perfluorotetradecanoic Acid (PFTA)	118		**139**	Q	69-133	16		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1439380-2 WG1439380-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		90		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109		107		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		97		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95		92		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97		93		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		103		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		90		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	137		137		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		98		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		95		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		86		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	139		156		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	69		72		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		88		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	19		19		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74		82		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86		85		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	53		56		26-160

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1439380-2 WG1439380-3								
Perfluorooctanesulfonamide (FOSA)	104		110		67-137	6		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	78		84		1-125

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 06-07 Batch: WG1440666-2 WG1440666-3								
Perfluorobutanoic Acid (PFBA)	118		122		67-148	3		30
Perfluoropentanoic Acid (PFPeA)	119		127		63-161	7		30
Perfluorobutanesulfonic Acid (PFBS)	122		128		65-157	5		30
Perfluorohexanoic Acid (PFHxA)	121		125		69-168	3		30
Perfluoroheptanoic Acid (PFHpA)	113		119		58-159	5		30
Perfluorohexanesulfonic Acid (PFHxS)	119		126		69-177	6		30
Perfluorooctanoic Acid (PFOA)	116		120		63-159	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	137		127		49-187	8		30
Perfluoroheptanesulfonic Acid (PFHpS)	124		123		61-179	1		30
Perfluorononanoic Acid (PFNA)	113		121		68-171	7		30
Perfluorooctanesulfonic Acid (PFOS)	125		122		52-151	2		30
Perfluorodecanoic Acid (PFDA)	119		122		63-171	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	142		148		56-173	4		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	103		109		60-166	6		30
Perfluoroundecanoic Acid (PFUnA)	119		125		60-153	5		30
Perfluorodecanesulfonic Acid (PFDS)	125		131		38-156	5		30
Perfluorooctanesulfonamide (FOSA)	113		113		46-170	0		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	116		123		45-170	6		30
Perfluorododecanoic Acid (PFDoA)	123		127		67-153	3		30
Perfluorotridecanoic Acid (PFTrDA)	119		125		48-158	5		30
Perfluorotetradecanoic Acid (PFTA)	150		154		59-182	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 06-07 Batch: WG1440666-2 WG1440666-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		92		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	116		113		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		98		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	103		100		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	104		99		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		103		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		90		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	112		126		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		92		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		92		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	90		89		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	136		135		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	92		87		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	99		96		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	25		29		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84		81		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		97		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		68		33-143

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 06-07 Batch: WG1440666-2 WG1440666-3								
Perfluorooctanesulfonamide (FOSA)	119		120		46-170	1		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	70		69		1-87

PCBS

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-01
Client ID: SB14_0-2
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 09:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/23/20 12:03
Analyst: AWS
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 11/22/20 05:52
Cleanup Method: EPA 3665A
Cleanup Date: 11/22/20
Cleanup Method: EPA 3660B
Cleanup Date: 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	3.27	1	A
Aroclor 1221	ND		ug/kg	36.8	3.69	1	A
Aroclor 1232	ND		ug/kg	36.8	7.81	1	A
Aroclor 1242	ND		ug/kg	36.8	4.96	1	A
Aroclor 1248	ND		ug/kg	36.8	5.52	1	A
Aroclor 1254	ND		ug/kg	36.8	4.03	1	A
Aroclor 1260	ND		ug/kg	36.8	6.81	1	A
Aroclor 1262	ND		ug/kg	36.8	4.68	1	A
Aroclor 1268	ND		ug/kg	36.8	3.82	1	A
PCBs, Total	ND		ug/kg	36.8	3.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 266-270 W. 96TH STREET
Lab Number: L2051958
Project Number: 170432001
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-02
Client ID: SB14_5-6
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 09:30
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/23/20 12:10
Analyst: AWS
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 11/22/20 05:52
Cleanup Method: EPA 3665A
Cleanup Date: 11/22/20
Cleanup Method: EPA 3660B
Cleanup Date: 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.4	3.67	1	A
Aroclor 1221	ND		ug/kg	41.4	4.14	1	A
Aroclor 1232	ND		ug/kg	41.4	8.77	1	A
Aroclor 1242	ND		ug/kg	41.4	5.58	1	A
Aroclor 1248	ND		ug/kg	41.4	6.20	1	A
Aroclor 1254	ND		ug/kg	41.4	4.52	1	A
Aroclor 1260	ND		ug/kg	41.4	7.64	1	A
Aroclor 1262	ND		ug/kg	41.4	5.25	1	A
Aroclor 1268	ND		ug/kg	41.4	4.28	1	A
PCBs, Total	ND		ug/kg	41.4	3.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-03
Client ID: SB14_6-7
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 10:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/23/20 12:17
Analyst: AWS
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 11/22/20 05:52
Cleanup Method: EPA 3665A
Cleanup Date: 11/22/20
Cleanup Method: EPA 3660B
Cleanup Date: 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.9	3.37	1	A
Aroclor 1221	ND		ug/kg	37.9	3.80	1	A
Aroclor 1232	ND		ug/kg	37.9	8.04	1	A
Aroclor 1242	ND		ug/kg	37.9	5.11	1	A
Aroclor 1248	ND		ug/kg	37.9	5.69	1	A
Aroclor 1254	ND		ug/kg	37.9	4.15	1	A
Aroclor 1260	ND		ug/kg	37.9	7.01	1	A
Aroclor 1262	ND		ug/kg	37.9	4.82	1	A
Aroclor 1268	ND		ug/kg	37.9	3.93	1	A
PCBs, Total	ND		ug/kg	37.9	3.37	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 266-270 W. 96TH STREET
Lab Number: L2051958
Project Number: 170432001
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-07
Client ID: SBFB02_11202020
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 13:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8082A
Analytical Date: 11/24/20 21:22
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 11/23/20 08:35
Cleanup Method: EPA 3665A
Cleanup Date: 11/23/20
Cleanup Method: EPA 3660B
Cleanup Date: 11/24/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/23/20 10:48
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 11/22/20 05:52
Cleanup Method: EPA 3665A
Cleanup Date: 11/22/20
Cleanup Method: EPA 3660B
Cleanup Date: 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1437187-1						
Aroclor 1016	ND		ug/kg	32.0	2.84	A
Aroclor 1221	ND		ug/kg	32.0	3.20	A
Aroclor 1232	ND		ug/kg	32.0	6.78	A
Aroclor 1242	ND		ug/kg	32.0	4.31	A
Aroclor 1248	ND		ug/kg	32.0	4.80	A
Aroclor 1254	ND		ug/kg	32.0	3.50	A
Aroclor 1260	ND		ug/kg	32.0	5.91	A
Aroclor 1262	ND		ug/kg	32.0	4.06	A
Aroclor 1268	ND		ug/kg	32.0	3.31	A
PCBs, Total	ND		ug/kg	32.0	2.84	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/24/20 18:56
Analyst: CW

Extraction Method: EPA 3510C
Extraction Date: 11/23/20 08:35
Cleanup Method: EPA 3665A
Cleanup Date: 11/23/20
Cleanup Method: EPA 3660B
Cleanup Date: 11/24/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07 Batch: WG1437351-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	71		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1437187-2 WG1437187-3									
Aroclor 1016	101		104		40-140	3		50	A
Aroclor 1260	102		104		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		73		30-150	A
Decachlorobiphenyl	85		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		80		30-150	B
Decachlorobiphenyl	84		90		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07 Batch: WG1437351-2 WG1437351-3									
Aroclor 1016	59		77		40-140	26		50	A
Aroclor 1260	58		75		40-140	25		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		40		30-150	A
Decachlorobiphenyl	68		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		41		30-150	B
Decachlorobiphenyl	73		83		30-150	B

PESTICIDES

Project Name: 266-270 W. 96TH STREET
Lab Number: L2051958
Project Number: 170432001
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-01
Client ID: SB14_0-2
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 09:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/24/20 06:34
Analyst: EJL
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 11/22/20 05:24
Cleanup Method: EPA 3620B
Cleanup Date: 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.348	1	A
Lindane	ND		ug/kg	0.740	0.331	1	A
Alpha-BHC	ND		ug/kg	0.740	0.210	1	A
Beta-BHC	ND		ug/kg	1.78	0.673	1	A
Heptachlor	ND		ug/kg	0.888	0.398	1	A
Aldrin	ND		ug/kg	1.78	0.625	1	A
Heptachlor epoxide	ND		ug/kg	3.33	0.999	1	A
Endrin	ND		ug/kg	0.740	0.303	1	A
Endrin aldehyde	ND		ug/kg	2.22	0.777	1	A
Endrin ketone	ND		ug/kg	1.78	0.457	1	A
Dieldrin	ND		ug/kg	1.11	0.555	1	A
4,4'-DDE	ND		ug/kg	1.78	0.411	1	A
4,4'-DDD	ND		ug/kg	1.78	0.633	1	A
4,4'-DDT	ND		ug/kg	3.33	1.43	1	A
Endosulfan I	ND		ug/kg	1.78	0.420	1	A
Endosulfan II	ND		ug/kg	1.78	0.593	1	A
Endosulfan sulfate	ND		ug/kg	0.740	0.352	1	A
Methoxychlor	ND		ug/kg	3.33	1.04	1	A
Toxaphene	ND		ug/kg	33.3	9.32	1	A
cis-Chlordane	ND		ug/kg	2.22	0.619	1	A
trans-Chlordane	ND		ug/kg	2.22	0.586	1	A
Chlordane	ND		ug/kg	14.8	5.88	1	A

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-01 Date Collected: 11/20/20 09:00

Client ID: SB14_0-2 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	**221**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: 266-270 W. 96TH STREET
Lab Number: L2051958
Project Number: 170432001
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-02
Client ID: SB14_5-6
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 09:30
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/24/20 06:46
Analyst: EJL
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 11/22/20 05:24
Cleanup Method: EPA 3620B
Cleanup Date: 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.99	0.390	1	A
Lindane	ND		ug/kg	0.829	0.371	1	A
Alpha-BHC	ND		ug/kg	0.829	0.236	1	A
Beta-BHC	ND		ug/kg	1.99	0.755	1	A
Heptachlor	ND		ug/kg	0.995	0.446	1	A
Aldrin	ND		ug/kg	1.99	0.701	1	A
Heptachlor epoxide	ND		ug/kg	3.73	1.12	1	A
Endrin	ND		ug/kg	0.829	0.340	1	A
Endrin aldehyde	ND		ug/kg	2.49	0.871	1	A
Endrin ketone	ND		ug/kg	1.99	0.512	1	A
Dieldrin	ND		ug/kg	1.24	0.622	1	A
4,4'-DDE	ND		ug/kg	1.99	0.460	1	A
4,4'-DDD	ND		ug/kg	1.99	0.710	1	A
4,4'-DDT	ND		ug/kg	3.73	1.60	1	A
Endosulfan I	ND		ug/kg	1.99	0.470	1	A
Endosulfan II	ND		ug/kg	1.99	0.665	1	A
Endosulfan sulfate	ND		ug/kg	0.829	0.395	1	A
Methoxychlor	ND		ug/kg	3.73	1.16	1	A
Toxaphene	ND		ug/kg	37.3	10.4	1	A
cis-Chlordane	ND		ug/kg	2.49	0.693	1	A
trans-Chlordane	1.16	JIP	ug/kg	2.49	0.657	1	B
Chlordane	ND		ug/kg	16.6	6.59	1	A

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-02 Date Collected: 11/20/20 09:30

Client ID: SB14_5-6 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	146		30-150	B

Project Name: 266-270 W. 96TH STREET
Lab Number: L2051958
Project Number: 170432001
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-03
Client ID: SB14_6-7
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 10:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/24/20 06:59
Analyst: EJL
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 11/22/20 05:24
Cleanup Method: EPA 3620B
Cleanup Date: 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.360	1	A
Lindane	ND		ug/kg	0.765	0.342	1	A
Alpha-BHC	ND		ug/kg	0.765	0.217	1	A
Beta-BHC	ND		ug/kg	1.84	0.696	1	A
Heptachlor	ND		ug/kg	0.918	0.412	1	A
Aldrin	ND		ug/kg	1.84	0.646	1	A
Heptachlor epoxide	ND		ug/kg	3.44	1.03	1	A
Endrin	ND		ug/kg	0.765	0.314	1	A
Endrin aldehyde	ND		ug/kg	2.29	0.803	1	A
Endrin ketone	ND		ug/kg	1.84	0.473	1	A
Dieldrin	ND		ug/kg	1.15	0.574	1	A
4,4'-DDE	ND		ug/kg	1.84	0.424	1	A
4,4'-DDD	ND		ug/kg	1.84	0.655	1	A
4,4'-DDT	4.98		ug/kg	3.44	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.434	1	A
Endosulfan II	ND		ug/kg	1.84	0.613	1	A
Endosulfan sulfate	ND		ug/kg	0.765	0.364	1	A
Methoxychlor	ND		ug/kg	3.44	1.07	1	A
Toxaphene	ND		ug/kg	34.4	9.64	1	A
cis-Chlordane	ND		ug/kg	2.29	0.639	1	A
trans-Chlordane	1.33	JIP	ug/kg	2.29	0.606	1	B
Chlordane	ND		ug/kg	15.3	6.08	1	A

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-03 Date Collected: 11/20/20 10:00

Client ID: SB14_6-7 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	**196**	Q	30-150	B

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-07
Client ID: SBFB02_11202020
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 13:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank
Analytical Method: 1,8081B
Analytical Date: 11/24/20 17:00
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 11/23/20 05:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-07 Date Collected: 11/20/20 13:00

Client ID: SBFB02_11202020 Date Received: 11/20/20

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/24/20 04:31
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 11/22/20 05:24
Cleanup Method: EPA 3620B
Cleanup Date: 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1437186-1						
Delta-BHC	ND		ug/kg	1.56	0.305	A
Lindane	ND		ug/kg	0.649	0.290	A
Alpha-BHC	ND		ug/kg	0.649	0.184	A
Beta-BHC	ND		ug/kg	1.56	0.590	A
Heptachlor	ND		ug/kg	0.779	0.349	A
Aldrin	ND		ug/kg	1.56	0.548	A
Heptachlor epoxide	ND		ug/kg	2.92	0.876	A
Endrin	ND		ug/kg	0.649	0.266	A
Endrin aldehyde	ND		ug/kg	1.95	0.681	A
Endrin ketone	ND		ug/kg	1.56	0.401	A
Dieldrin	ND		ug/kg	0.973	0.487	A
4,4'-DDE	ND		ug/kg	1.56	0.360	A
4,4'-DDD	ND		ug/kg	1.56	0.555	A
4,4'-DDT	ND		ug/kg	2.92	1.25	A
Endosulfan I	ND		ug/kg	1.56	0.368	A
Endosulfan II	ND		ug/kg	1.56	0.520	A
Endosulfan sulfate	ND		ug/kg	0.649	0.309	A
Methoxychlor	ND		ug/kg	2.92	0.908	A
Toxaphene	ND		ug/kg	29.2	8.18	A
cis-Chlordane	ND		ug/kg	1.95	0.542	A
trans-Chlordane	ND		ug/kg	1.95	0.514	A
Chlordane	ND		ug/kg	13.0	5.16	A

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/24/20 04:31
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 11/22/20 05:24
Cleanup Method: EPA 3620B
Cleanup Date: 11/23/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1437186-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/24/20 15:55
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 11/23/20 05:00

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07 Batch: WG1437343-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/24/20 15:55
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 11/23/20 05:00

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07 Batch: WG1437343-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	111		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1437186-2 WG1437186-3									
Delta-BHC	107		101		30-150	6		30	A
Lindane	104		93		30-150	11		30	A
Alpha-BHC	110		102		30-150	8		30	A
Beta-BHC	106		102		30-150	4		30	A
Heptachlor	101		104		30-150	3		30	A
Aldrin	93		90		30-150	3		30	A
Heptachlor epoxide	100		94		30-150	6		30	A
Endrin	107		96		30-150	11		30	A
Endrin aldehyde	55		54		30-150	2		30	A
Endrin ketone	82		76		30-150	8		30	A
Dieldrin	109		100		30-150	9		30	A
4,4'-DDE	98		93		30-150	5		30	A
4,4'-DDD	115		106		30-150	8		30	A
4,4'-DDT	99		99		30-150	0		30	A
Endosulfan I	103		94		30-150	9		30	A
Endosulfan II	104		96		30-150	8		30	A
Endosulfan sulfate	82		82		30-150	0		30	A
Methoxychlor	91		98		30-150	7		30	A
cis-Chlordane	90		83		30-150	8		30	A
trans-Chlordane	107		103		30-150	4		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1437186-2 WG1437186-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		93		30-150	A
Decachlorobiphenyl	65		70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		96		30-150	B
Decachlorobiphenyl	96		105		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG1437343-2 WG1437343-3									
Delta-BHC	64		57		30-150	12		20	A
Lindane	72		61		30-150	16		20	A
Alpha-BHC	73		63		30-150	14		20	A
Beta-BHC	85		75		30-150	12		20	A
Heptachlor	82		73		30-150	12		20	A
Aldrin	71		60		30-150	17		20	A
Heptachlor epoxide	69		60		30-150	14		20	A
Endrin	78		67		30-150	16		20	A
Endrin aldehyde	72		65		30-150	10		20	A
Endrin ketone	78		68		30-150	13		20	A
Dieldrin	81		67		30-150	19		20	A
4,4'-DDE	83		69		30-150	18		20	A
4,4'-DDD	83		70		30-150	16		20	A
4,4'-DDT	81		67		30-150	19		20	A
Endosulfan I	86		74		30-150	15		20	A
Endosulfan II	91		76		30-150	17		20	A
Endosulfan sulfate	88		76		30-150	14		20	A
Methoxychlor	94		80		30-150	16		20	A
cis-Chlordane	80		68		30-150	16		20	A
trans-Chlordane	80		69		30-150	14		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG1437343-2 WG1437343-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		57		30-150	A
Decachlorobiphenyl	86		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		71		30-150	B
Decachlorobiphenyl	119		106		30-150	B

METALS

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-01
Client ID: SB14_0-2
Sample Location: NEW YORK, NY
Date Collected: 11/20/20 09:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12300		mg/kg	8.63	2.33	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.32	0.328	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Arsenic, Total	3.53		mg/kg	0.863	0.180	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Barium, Total	196		mg/kg	0.863	0.150	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.432	0.029	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Cadmium, Total	0.570	J	mg/kg	0.863	0.085	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Calcium, Total	34400		mg/kg	8.63	3.02	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Chromium, Total	23.3		mg/kg	0.863	0.083	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Cobalt, Total	9.70		mg/kg	1.73	0.143	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Copper, Total	21.6		mg/kg	0.863	0.223	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Iron, Total	20400		mg/kg	4.32	0.779	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Lead, Total	575		mg/kg	4.32	0.231	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Magnesium, Total	4890		mg/kg	8.63	1.33	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Manganese, Total	268		mg/kg	0.863	0.137	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Mercury, Total	0.451		mg/kg	0.078	0.051	1	11/25/20 19:19	11/27/20 10:58	EPA 7471B	1,7471B	EW
Nickel, Total	18.0		mg/kg	2.16	0.209	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Potassium, Total	4310		mg/kg	216	12.4	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Selenium, Total	0.285	J	mg/kg	1.73	0.223	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.863	0.244	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Sodium, Total	193		mg/kg	173	2.72	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.73	0.272	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Vanadium, Total	32.8		mg/kg	0.863	0.175	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
Zinc, Total	98.4		mg/kg	4.32	0.253	2	11/25/20 19:20	11/28/20 15:40	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	23		mg/kg	0.92	0.92	1		11/28/20 22:00	NA	107,-	

Project Name: 266-270 W. 96TH STREET
Lab Number: L2051958
Project Number: 170432001
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-02
Client ID: SB14_5-6
Sample Location: NEW YORK, NY
Date Collected: 11/20/20 09:30
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7060		mg/kg	10.2	2.74	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	5.08	0.386	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Arsenic, Total	3.50		mg/kg	1.02	0.211	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Barium, Total	70.1		mg/kg	1.02	0.177	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Beryllium, Total	0.061	J	mg/kg	0.508	0.034	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Cadmium, Total	2.09		mg/kg	1.02	0.100	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Calcium, Total	51900		mg/kg	102	35.6	20	11/25/20 19:20	11/30/20 11:55	EPA 3050B	1,6010D	GD
Chromium, Total	14.2		mg/kg	1.02	0.098	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Cobalt, Total	4.95		mg/kg	2.03	0.169	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Copper, Total	14.4		mg/kg	1.02	0.262	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Iron, Total	11400		mg/kg	5.08	0.918	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Lead, Total	608		mg/kg	5.08	0.272	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Magnesium, Total	6630		mg/kg	10.2	1.56	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Manganese, Total	302		mg/kg	1.02	0.162	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Mercury, Total	0.208		mg/kg	0.083	0.054	1	11/25/20 19:19	11/27/20 11:01	EPA 7471B	1,7471B	EW
Nickel, Total	10.8		mg/kg	2.54	0.246	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Potassium, Total	1080		mg/kg	254	14.6	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Selenium, Total	ND		mg/kg	2.03	0.262	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	1.02	0.288	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Sodium, Total	155	J	mg/kg	203	3.20	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	2.03	0.320	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Vanadium, Total	18.2		mg/kg	1.02	0.206	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
Zinc, Total	240		mg/kg	5.08	0.298	2	11/25/20 19:20	11/28/20 15:45	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	14		mg/kg	1.0	1.0	1		11/28/20 22:00	NA	107,-	

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-03
Client ID: SB14_6-7
Sample Location: NEW YORK, NY
Date Collected: 11/20/20 10:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11100		mg/kg	9.08	2.45	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Antimony, Total	ND		mg/kg	4.54	0.345	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Arsenic, Total	5.01		mg/kg	0.908	0.189	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Barium, Total	145		mg/kg	0.908	0.158	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.454	0.030	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Cadmium, Total	0.608	J	mg/kg	0.908	0.089	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Calcium, Total	23300		mg/kg	9.08	3.18	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Chromium, Total	19.6		mg/kg	0.908	0.087	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Cobalt, Total	9.79		mg/kg	1.82	0.151	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Copper, Total	32.2		mg/kg	0.908	0.234	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Iron, Total	19800		mg/kg	4.54	0.820	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Lead, Total	974		mg/kg	4.54	0.243	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Magnesium, Total	4420		mg/kg	9.08	1.40	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Manganese, Total	346		mg/kg	0.908	0.144	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Mercury, Total	0.236		mg/kg	0.076	0.050	1	11/25/20 19:19	11/27/20 11:04	EPA 7471B	1,7471B	EW
Nickel, Total	18.0		mg/kg	2.27	0.220	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Potassium, Total	2530		mg/kg	227	13.1	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Selenium, Total	0.518	J	mg/kg	1.82	0.234	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Silver, Total	ND		mg/kg	0.908	0.257	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Sodium, Total	186		mg/kg	182	2.86	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Thallium, Total	ND		mg/kg	1.82	0.286	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Vanadium, Total	26.9		mg/kg	0.908	0.184	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
Zinc, Total	115		mg/kg	4.54	0.266	2	11/25/20 19:20	11/28/20 15:50	EPA 3050B	1,6010D	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	20		mg/kg	0.96	0.96	1		11/28/20 22:00	NA	107,-	

Project Name: 266-270 W. 96TH STREET
Lab Number: L2051958
Project Number: 170432001
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-07
Client ID: SBFB02_11202020
Sample Location: NEW YORK, NY
Date Collected: 11/20/20 13:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Chromium, Total	0.00019	J	mg/l	0.00100	0.00017	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Lead, Total	0.00183		mg/l	0.00100	0.00034	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/29/20 13:19	11/30/20 14:05	EPA 7470A	1,7470A	EW
Nickel, Total	ND		mg/l	0.00200	0.00055	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00100	0.00014	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	11/29/20 13:00	11/30/20 10:54	EPA 3005A	1,6020B	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	0.010	1		11/30/20 10:54	NA	107,-	

Project Name: 266-270 W. 96TH STREET **Lab Number:** L2051958

Project Number: 170432001 **Report Date:** 12/09/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07 Batch: WG1438637-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Thallium, Total	0.00015	J	mg/l	0.00100	0.00014	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	11/29/20 13:00	11/30/20 10:44	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 07 Batch: WG1438640-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/29/20 13:19	11/30/20 13:48	1,7470A	EW

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1438653-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Arsenic, Total	0.092	J	mg/kg	0.400	0.083	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Barium, Total	ND		mg/kg	0.400	0.070	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Chromium, Total	0.168	J	mg/kg	0.400	0.038	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Copper, Total	ND		mg/kg	0.400	0.103	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Iron, Total	0.436	J	mg/kg	2.00	0.361	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Lead, Total	ND		mg/kg	2.00	0.107	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Manganese, Total	0.220	J	mg/kg	0.400	0.064	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Nickel, Total	0.136	J	mg/kg	1.00	0.097	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Potassium, Total	10.2	J	mg/kg	100	5.76	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Silver, Total	ND		mg/kg	0.400	0.113	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Sodium, Total	4.97	J	mg/kg	80.0	1.26	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV
Zinc, Total	0.180	J	mg/kg	2.00	0.117	1	11/25/20 19:20	11/28/20 14:33	1,6010D	BV

Prep Information

Digestion Method: EPA 3050B

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1438654-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/25/20 19:19	11/27/20 10:21	1,7471B	EW

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1438637-2								
Aluminum, Total	104		-		80-120	-		
Antimony, Total	85		-		80-120	-		
Arsenic, Total	103		-		80-120	-		
Barium, Total	104		-		80-120	-		
Beryllium, Total	114		-		80-120	-		
Cadmium, Total	116		-		80-120	-		
Calcium, Total	101		-		80-120	-		
Chromium, Total	105		-		80-120	-		
Cobalt, Total	104		-		80-120	-		
Copper, Total	105		-		80-120	-		
Iron, Total	107		-		80-120	-		
Lead, Total	105		-		80-120	-		
Magnesium, Total	104		-		80-120	-		
Manganese, Total	102		-		80-120	-		
Nickel, Total	101		-		80-120	-		
Potassium, Total	99		-		80-120	-		
Selenium, Total	104		-		80-120	-		
Silver, Total	109		-		80-120	-		
Sodium, Total	102		-		80-120	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	105		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1438637-2					
Zinc, Total	112	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1438640-2					
Mercury, Total	98	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1438653-2 SRM Lot Number: D109-540					
Aluminum, Total	79	-	50-150	-	
Antimony, Total	122	-	19-250	-	
Arsenic, Total	112	-	70-130	-	
Barium, Total	105	-	75-125	-	
Beryllium, Total	105	-	75-125	-	
Cadmium, Total	104	-	75-125	-	
Calcium, Total	100	-	73-128	-	
Chromium, Total	107	-	70-130	-	
Cobalt, Total	101	-	75-125	-	
Copper, Total	106	-	75-125	-	
Iron, Total	100	-	35-165	-	
Lead, Total	108	-	72-128	-	
Magnesium, Total	96	-	62-138	-	
Manganese, Total	106	-	74-126	-	
Nickel, Total	105	-	70-130	-	
Potassium, Total	92	-	59-141	-	
Selenium, Total	108	-	68-132	-	
Silver, Total	74	-	68-131	-	
Sodium, Total	103	-	35-165	-	
Thallium, Total	103	-	68-131	-	
Vanadium, Total	106	-	59-141	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1438653-2 SRM Lot Number: D109-540					
Zinc, Total	108	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1438654-2 SRM Lot Number: D109-540					
Mercury, Total	94	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1438637-3 WG1438637-4 QC Sample: L2051642-11 Client ID: MS Sample												
Aluminum, Total	ND	2	1.98	99		2.00	100		75-125	1		20
Antimony, Total	0.00277J	0.5	0.4791	96		0.5012	100		75-125	5		20
Arsenic, Total	ND	0.12	0.1288	107		0.1305	109		75-125	1		20
Barium, Total	0.00684	2	2.085	104		2.106	105		75-125	1		20
Beryllium, Total	ND	0.05	0.05385	108		0.05137	103		75-125	5		20
Cadmium, Total	ND	0.051	0.05748	113		0.05781	113		75-125	1		20
Calcium, Total	395.	10	425	**300**	Q	423	**280**	Q	75-125	0		20
Chromium, Total	0.00042J	0.2	0.2060	103		0.2047	102		75-125	1		20
Cobalt, Total	ND	0.5	0.5088	102		0.5100	102		75-125	0		20
Copper, Total	ND	0.25	0.2571	103		0.2552	102		75-125	1		20
Iron, Total	0.153	1	1.48	**133**	Q	1.31	116		75-125	12		20
Lead, Total	ND	0.51	0.5369	105		0.5366	105		75-125	0		20
Magnesium, Total	79.9	10	101	**211**	Q	100	**201**	Q	75-125	1		20
Manganese, Total	0.01955	0.5	0.5256	101		0.5270	101		75-125	0		20
Nickel, Total	ND	0.5	0.5012	100		0.4883	98		75-125	3		20
Potassium, Total	10.4	10	19.8	94		19.9	95		75-125	1		20
Selenium, Total	ND	0.12	0.122	102		0.128	107		75-125	5		20
Silver, Total	ND	0.05	0.05338	107		0.05309	106		75-125	1		20
Sodium, Total	81.0	10	93.0	120		91.8	108		75-125	1		20
Thallium, Total	0.00022J	0.12	0.1274	106		0.1236	103		75-125	3		20
Vanadium, Total	ND	0.5	0.5044	101		0.5079	102		75-125	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1438637-3 WG1438637-4 QC Sample: L2051642-11 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.5338	107	0.5399	108	75-125	1	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1438640-3 QC Sample: L2052157-12 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00537	108	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1438653-3 QC Sample: L2052299-01 Client ID: MS Sample										
Aluminum, Total	10200	179	11700	**837**	Q	-	-	75-125	-	20
Antimony, Total	7.92	44.8	35.1	**61**	Q	-	-	75-125	-	20
Arsenic, Total	15.9	10.7	25.4	88		-	-	75-125	-	20
Barium, Total	94.0	179	262	94		-	-	75-125	-	20
Beryllium, Total	ND	4.48	3.47	77		-	-	75-125	-	20
Cadmium, Total	1.44	4.57	7.54	**134**	Q	-	-	75-125	-	20
Calcium, Total	10200	896	5560	**0**	Q	-	-	75-125	-	20
Chromium, Total	46.7	17.9	70.0	**130**	Q	-	-	75-125	-	20
Cobalt, Total	10.7	44.8	45.4	77		-	-	75-125	-	20
Copper, Total	310	22.4	344	**152**	Q	-	-	75-125	-	20
Iron, Total	22700	89.6	24400	**1900**	Q	-	-	75-125	-	20
Lead, Total	645	45.7	687	92		-	-	75-125	-	20
Magnesium, Total	4890	896	7860	**332**	Q	-	-	75-125	-	20
Manganese, Total	296	44.8	365	**154**	Q	-	-	75-125	-	20
Nickel, Total	37.4	44.8	71.2	75		-	-	75-125	-	20
Potassium, Total	2030	896	2880	95		-	-	75-125	-	20
Selenium, Total	0.853J	10.7	9.98	93		-	-	75-125	-	20
Silver, Total	ND	26.9	24.2	90		-	-	75-125	-	20
Sodium, Total	400	896	1140	83		-	-	75-125	-	20
Thallium, Total	ND	10.7	7.09	**66**	Q	-	-	75-125	-	20
Vanadium, Total	27.2	44.8	70.2	96		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1438653-3 QC Sample: L2052299-01 Client ID: MS Sample										
Zinc, Total	694	44.8	558	**0**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1438654-3 QC Sample: L2051888-01 Client ID: MS Sample										
Mercury, Total	ND	0.145	0.163	113		-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1438640-4 QC Sample: L2052157-12 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1438653-4 QC Sample: L2052299-01 Client ID: DUP Sample						
Arsenic, Total	15.9	19.4	mg/kg	20		20
Barium, Total	94.0	106	mg/kg	12		20
Cadmium, Total	1.44	1.82	mg/kg	**23**	Q	20
Chromium, Total	46.7	45.5	mg/kg	3		20
Lead, Total	645	760	mg/kg	16		20
Selenium, Total	0.853J	0.955	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1438654-4 QC Sample: L2051888-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-01
Client ID: SB14_0-2
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 09:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.3		%	0.100	NA	1	-	11/21/20 11:34	121,2540G	RI
Cyanide, Total	0.33	J	mg/kg	1.0	0.22	1	11/28/20 16:35	11/30/20 12:19	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.916	0.183	1	11/27/20 14:28	11/28/20 22:00	1,7196A	CM

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-02
Client ID: SB14_5-6
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 09:30
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.0		%	0.100	NA	1	-	11/21/20 11:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	11/28/20 16:35	11/30/20 12:20	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	1.04	0.208	1	11/27/20 14:28	11/28/20 22:00	1,7196A	CM

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-03
Client ID: SB14_6-7
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 10:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.8		%	0.100	NA	1	-	11/21/20 11:34	121,2540G	RI
Cyanide, Total	0.34	J	mg/kg	1.1	0.24	1	11/28/20 16:35	11/30/20 12:21	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/kg	0.955	0.191	1	11/27/20 14:28	11/28/20 22:00	1,7196A	CM

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-04
Client ID: SB23_0-2
Sample Location: NEW YORK, NY
Sample Depth:
Matrix: Soil
Date Collected: 11/20/20 10:15
Date Received: 11/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.1		%	0.100	NA	1	-	11/21/20 11:34	121,2540G	RI

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-07
Client ID: SBFB02_11202020
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 13:00
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Field Blank

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/03/20 09:55	12/03/20 16:31	1,9010C/9012B	CR
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	11/21/20 12:00	11/21/20 12:17	1,7196A	JW

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

SAMPLE RESULTS

Lab ID: L2051958-08
Client ID: SB23_5-6
Sample Location: NEW YORK, NY
Sample Depth:
Matrix: Soil
Date Collected: 11/20/20 10:30
Date Received: 11/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.5		%	0.100	NA	1	-	11/21/20 11:34	121,2540G	RI

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001
Lab Number: L2051958
Report Date: 12/09/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 07 Batch: WG1437065-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	11/21/20 12:00	11/21/20 12:16	1,7196A	JW
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1438238-1										
Cyanide, Total	ND		mg/kg	0.92	0.20	1	11/28/20 16:35	11/30/20 12:26	1,9010C/9012B	CR
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1438932-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	11/27/20 14:28	11/28/20 22:00	1,7196A	CM
General Chemistry - Westborough Lab for sample(s): 07 Batch: WG1440197-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	12/03/20 09:55	12/03/20 16:22	1,9010C/9012B	CR

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG1437065-2								
Chromium, Hexavalent	108		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1438238-2 WG1438238-3								
Cyanide, Total	**76**	Q	90		80-120	13		35
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1438932-2								
Chromium, Hexavalent	100		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 07 Batch: WG1440197-2 WG1440197-3								
Cyanide, Total	97		100		85-115	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG1437065-4 QC Sample: L2051958-07 Client ID: SBFB02_11202020												
Chromium, Hexavalent	ND	0.1	0.109	109		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1438238-6 WG1438238-7 QC Sample: L2051609-01 Client ID: MS Sample												
Cyanide, Total	0.90J	12	12	83		12	86		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1438932-4 QC Sample: L2051958-02 Client ID: SB14_5-6												
Chromium, Hexavalent	ND	1060	1180	111		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG1440197-4 WG1440197-5 QC Sample: L2052111-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.182	91		0.151	**76**	Q	80-120	19		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 266-270 W. 96TH STREET

Project Number: 170432001

Lab Number: L2051958

Report Date: 12/09/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04,08 QC Batch ID: WG1437049-1 QC Sample: L2051871-01 Client ID: DUP Sample						
Solids, Total	81.8	82.3	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 07 QC Batch ID: WG1437065-3 QC Sample: L2051958-07 Client ID: SBFB02_11202020						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1438932-6 QC Sample: L2051958-02 Client ID: SB14_5-6						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2051958-01A	Vial MeOH preserved	C	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2051958-01B	Vial water preserved	C	NA		5.2	Y	Absent	21-NOV-20 10:48	NYTCL-8260HLW(14)
L2051958-01C	Vial water preserved	C	NA		5.2	Y	Absent	21-NOV-20 10:48	NYTCL-8260HLW(14)
L2051958-01D	Plastic 2oz unpreserved for TS	C	NA		5.2	Y	Absent		TS(7)
L2051958-01D1	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2051958-01E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		5.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2051958-01F	Glass 120ml/4oz unpreserved	C	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051958-01G	Plastic 8oz unpreserved	A	NA		4.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051958-01H	Glass 250ml/8oz unpreserved	C	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051958-02A	Vial MeOH preserved	C	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2051958-02B	Vial water preserved	C	NA		5.2	Y	Absent	21-NOV-20 10:48	NYTCL-8260HLW(14)
L2051958-02C	Vial water preserved	C	NA		5.2	Y	Absent	21-NOV-20 10:48	NYTCL-8260HLW(14)
L2051958-02D	Plastic 2oz unpreserved for TS	C	NA		5.2	Y	Absent		TS(7)
L2051958-02D1	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2051958-02E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		5.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2051958-02F	Glass 120ml/4oz unpreserved	C	NA		5.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051958-02G	Plastic 8oz unpreserved	A	NA		4.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051958-02H	Glass 250ml/8oz unpreserved	C	NA		5.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051958-03A	Vial MeOH preserved	C	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2051958-03B	Vial water preserved	C	NA		5.2	Y	Absent	21-NOV-20 10:48	NYTCL-8260HLW(14)
L2051958-03C	Vial water preserved	C	NA		5.2	Y	Absent	21-NOV-20 10:48	NYTCL-8260HLW(14)
L2051958-03D	Plastic 2oz unpreserved for TS	C	NA		5.2	Y	Absent		TS(7)
L2051958-03D1	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2051958-03E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		5.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2051958-03F	Glass 120ml/4oz unpreserved	C	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051958-03G	Plastic 8oz unpreserved	A	NA		4.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051958-03H	Glass 250ml/8oz unpreserved	C	NA		5.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L2051958-04A	Vial MeOH preserved	C	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2051958-04B	Vial water preserved	C	NA		5.2	Y	Absent	21-NOV-20 10:48	NYTCL-8260HLW(14)
L2051958-04C	Vial water preserved	C	NA		5.2	Y	Absent	21-NOV-20 10:48	NYTCL-8260HLW(14)
L2051958-04D	Plastic 2oz unpreserved for TS	C	NA		5.2	Y	Absent		TS(7)
L2051958-05A	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2051958-05B	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2051958-06A	Plastic 250ml unpreserved	A	NA		4.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2051958-07A	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2051958-07B	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2051958-07C	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260(14)
L2051958-07D	Plastic 250ml unpreserved	A	NA		4.0	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2051958-07E	Plastic 250ml HNO3 preserved	B	<2	<2	3.3	Y	Absent		TL-6020T(180),FE-6020T(180),BA-6020T(180),SE-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),MG-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),CO-6020T(180)
L2051958-07F	Plastic 250ml NaOH preserved	B	>12	>12	3.3	Y	Absent		TCN-9010(14)
L2051958-07G	Plastic 500ml unpreserved	B	7	7	3.3	Y	Absent		HEXCR-7196(1)
L2051958-07H	Amber 120ml unpreserved	B	7	7	3.3	Y	Absent		NYTCL-8082-LVI(7)
L2051958-07I	Amber 120ml unpreserved	B	7	7	3.3	Y	Absent		NYTCL-8082-LVI(7)
L2051958-07J	Amber 120ml unpreserved	B	7	7	3.3	Y	Absent		NYTCL-8081(7)
L2051958-07K	Amber 120ml unpreserved	B	7	7	3.3	Y	Absent		NYTCL-8081(7)
L2051958-07L	Amber 250ml unpreserved	B	7	7	3.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2051958-07M	Amber 250ml unpreserved	B	7	7	3.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2051958-07N	Amber 250ml unpreserved	B	7	7	3.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2051958-07O	Amber 250ml unpreserved	B	7	7	3.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2051958-08A	Vial MeOH preserved	C	NA		5.2	Y	Absent		NYTCL-8260HLW(14)
L2051958-08B	Vial water preserved	C	NA		5.2	Y	Absent	21-NOV-20 10:48	NYTCL-8260HLW(14)
L2051958-08C	Vial water preserved	C	NA		5.2	Y	Absent	21-NOV-20 10:48	NYTCL-8260HLW(14)
L2051958-08D	Plastic 2oz unpreserved for TS	C	NA		5.2	Y	Absent		TS(7)
L2051958-09A	Vial HCl preserved	C	NA		5.2	Y	Absent		ARCHIVE()
L2051958-09B	Vial HCl preserved	C	NA		5.2	Y	Absent		ARCHIVE()

*Values in parentheses indicate holding time in days

Project Name: 266-270 W. 96TH STREET
Project Number: 170432001

Lab Number: L2051958
Report Date: 12/09/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name:	266-270 W. 96TH STREET	**Lab Number:**	L2051958
Project Number:	170432001	**Report Date:**	12/09/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	266-270 W. 96TH STREET	**Lab Number:**	L2051958
Project Number:	170432001	**Report Date:**	12/09/20

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	266-270 W. 96TH STREET	**Lab Number:**	L2051958
Project Number:	170432001	**Report Date:**	12/09/20

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	266-270 W. 96TH STREET	**Lab Number:**	L2051958
Project Number:	170432001	**Report Date:**	12/09/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

107 Alpha Analytical - In-house calculation method.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

RI SOIL SAMPLES

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 11/21/20

ALPHA Job #: L2051955

Client Information
Client: Langan DPC
Address:
Phone:
Fax:
Email: KSemon@Langan.com

Project Information
Project Name: 260-270 W 96th Street
Project Location: 170432001 New York, NY
Project #
(Use Project name as Project #)
Project Manager: KIMBERLY SEMON
ALPHAQuote #:

Turn-Around Time
Standard: X
Rush (only if pre approved):
Due Date:
# of Days:

Deliverables
ASP-A: ☐ ASP-B: X
EQuIS (1 File): ☐ EQuIS (4 File): ☐
Other: ☐

Billing Information
Same as Client Info: X
PO #

Regulatory Requirement
NY TOGS: ☐ NY Part 375: X
AWQ Standards: ☐ NY CP-51: ☐
NY Restricted Use: ☐ Other: TCL
NY Unrestricted Use: ☐
NYC Sewer Discharge: ☐

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
NJ: ☐ NY: ☐
Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please email jyanowitz@langan.com

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
Done: ☐
Lab to do: ☐
Preservation
Lab to do: ☐
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+Part 375 VOCs	TCL+Part 375 SVOCs	Part 375 PCBs + Pesticides	TAL+Part 375 Metals	Cyanide, Hex Cr, Chromium VI	PFAS	1,4 dioxane	Sample Specific Comments	Total Bottle
51955-01	SB14 - 0-2	11/20/20	0900	S	MA	X	X	X	X	X	X	X		
-02	SB14 - 5-6		0930			X	X	X	X	X	X	X		
-03	SB14 - 6-7		1000			X	X	X	X	X	X	X		
-04	SB23 - 0-2		1015			X								
-05	SBTB06-11202020		0815	AQ		X								
-06	SBEB05-11202020		1310	AQ							X			
-07	SBFB02-11202020		1300			X	X	X	X	X	X	X		
-08	SB23 - 5-6		1030	S	MA	X								

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

	Container Type								
	Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
	11/20/20 1556		11/20/20 1556
	11/20/20 1820		11/20/20 21:30
AAL	11/21/20 01:00		11/21/20 01:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2052008
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Kimberly Semon
Phone:	(212) 479-5486
Project Name:	266-270 WEST 96TH ST.
Project Number:	170432001
Report Date:	12/01/20

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2052008
Report Date: 12/01/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2052008-01	SSV08_11202020	SOIL_VAPOR	NEW YORK, NY	11/20/20 15:27	11/20/20
L2052008-02	IA08_11202020	AIR	NEW YORK, NY	11/20/20 15:31	11/20/20

Project Name:	266-270 WEST 96TH ST.	**Lab Number:**	L2052008
Project Number:	170432001	**Report Date:**	12/01/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 266-270 WEST 96TH ST. **Lab Number:** L2052008
Project Number: 170432001 **Report Date:** 12/01/20

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on November 20, 2020. The canister certification results are provided as an addendum.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 12/01/20

AIR

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2052008
Report Date: 12/01/20

SAMPLE RESULTS

Lab ID: L2052008-01
Client ID: SSV08_11202020
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 15:27
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/01/20 03:57
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.862	0.200	--	4.26	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.625	0.500	--	2.17	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.66	0.500	--	4.90	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2052008
Report Date: 12/01/20

SAMPLE RESULTS

Lab ID: L2052008-01
Client ID: SSV08_11202020
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 15:27
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	39.5	0.200	--	193	0.977	--		1
Tetrahydrofuran	4.66	0.500	--	13.7	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.292	0.200	--	1.03	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	0.480	0.200	--	3.22	1.34	--		1
Xylenes, Total	19.7	0.200	--	85.6	0.869	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.575	0.200	--	3.09	1.07	--		1
2,2,4-Trimethylpentane	0.472	0.200	--	2.20	0.934	--		1
Heptane	0.501	0.200	--	2.05	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	4.84	0.200	--	18.2	0.754	--		1
2-Hexanone	0.531	0.200	--	2.18	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	13.7	0.200	--	92.9	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2052008
Report Date: 12/01/20

SAMPLE RESULTS

Lab ID: L2052008-01
Client ID: SSV08_11202020
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 15:27
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethylbenzene	2.78	0.200	--	12.1	0.869	--		1
p/m-Xylene	13.5	0.400	--	58.6	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	6.21	0.200	--	27.0	0.869	--		1
4-Ethyltoluene	2.10	0.200	--	10.3	0.983	--		1
1,3,5-Trimethylbenzene	2.56	0.200	--	12.6	0.983	--		1
1,2,4-Trimethylbenzene	10.9	0.200	--	53.6	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	92		60-140

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2052008
Report Date: 12/01/20

SAMPLE RESULTS

Lab ID: L2052008-02
Client ID: IA08_11202020
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 15:31
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/30/20 21:10
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.562	0.200	--	2.78	0.989	--		1
Chloromethane	0.406	0.200	--	0.838	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	67.8	5.00	--	128	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.67	1.00	--	6.34	2.38	--		1
Trichlorofluoromethane	0.223	0.200	--	1.25	1.12	--		1
Isopropanol	2.36	0.500	--	5.80	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	8.29	0.200	--	40.5	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2052008
Report Date: 12/01/20

SAMPLE RESULTS

Lab ID: L2052008-02
Client ID: IA08_11202020
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 15:31
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.265	0.200	--	0.934	0.705	--		1
Benzene	0.378	0.200	--	1.21	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.530	0.200	--	2.00	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2052008
Report Date: 12/01/20

SAMPLE RESULTS

Lab ID: L2052008-02
Client ID: IA08_11202020
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 15:31
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140

Project Name: 266-270 WEST 96TH ST. ***Lab Number:*** L2052008

Project Number: 170432001 ***Report Date:*** 12/01/20

SAMPLE RESULTS

Lab ID: L2052008-02
Client ID: IA08_11202020
Sample Location: NEW YORK, NY

Date Collected: 11/20/20 15:31
Date Received: 11/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/30/20 21:10
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.059	0.020	--	0.234	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.080	0.020	--	0.503	0.126	--		1
Trichloroethene	0.154	0.020	--	0.828	0.107	--		1
Tetrachloroethene	1.91	0.020	--	13.0	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	95		60-140

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2052008
Report Date: 12/01/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/30/20 17:48

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02 Batch: WG1439424-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2052008
Report Date: 12/01/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/30/20 17:48

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02 Batch: WG1439424-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2052008
Report Date: 12/01/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/30/20 17:48

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02 Batch: WG1439424-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2052008
Report Date: 12/01/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 11/30/20 18:28

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02 Batch: WG1439425-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2052008
Report Date: 12/01/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/30/20 18:19

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1439429-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2052008
Report Date: 12/01/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/30/20 18:19

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1439429-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2052008
Report Date: 12/01/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/30/20 18:19

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1439429-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 WEST 96TH ST.

Project Number: 170432001

Lab Number: L2052008

Report Date: 12/01/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1439424-3								
Dichlorodifluoromethane	85		-		70-130	-		
Chloromethane	82		-		70-130	-		
Freon-114	86		-		70-130	-		
Vinyl chloride	87		-		70-130	-		
1,3-Butadiene	89		-		70-130	-		
Bromomethane	88		-		70-130	-		
Chloroethane	87		-		70-130	-		
Ethanol	76		-		40-160	-		
Vinyl bromide	84		-		70-130	-		
Acetone	85		-		40-160	-		
Trichlorofluoromethane	99		-		70-130	-		
Isopropanol	80		-		40-160	-		
1,1-Dichloroethene	95		-		70-130	-		
Tertiary butyl Alcohol	89		-		70-130	-		
Methylene chloride	98		-		70-130	-		
3-Chloropropene	93		-		70-130	-		
Carbon disulfide	84		-		70-130	-		
Freon-113	92		-		70-130	-		
trans-1,2-Dichloroethene	87		-		70-130	-		
1,1-Dichloroethane	87		-		70-130	-		
Methyl tert butyl ether	80		-		70-130	-		
2-Butanone	79		-		70-130	-		
cis-1,2-Dichloroethene	91		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 WEST 96TH ST.

Project Number: 170432001

Lab Number: L2052008

Report Date: 12/01/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1439424-3								
Ethyl Acetate	86		-		70-130	-		
Chloroform	94		-		70-130	-		
Tetrahydrofuran	84		-		70-130	-		
1,2-Dichloroethane	97		-		70-130	-		
n-Hexane	94		-		70-130	-		
1,1,1-Trichloroethane	101		-		70-130	-		
Benzene	90		-		70-130	-		
Carbon tetrachloride	107		-		70-130	-		
Cyclohexane	93		-		70-130	-		
1,2-Dichloropropane	87		-		70-130	-		
Bromodichloromethane	100		-		70-130	-		
1,4-Dioxane	92		-		70-130	-		
Trichloroethene	91		-		70-130	-		
2,2,4-Trimethylpentane	92		-		70-130	-		
Heptane	93		-		70-130	-		
cis-1,3-Dichloropropene	99		-		70-130	-		
4-Methyl-2-pentanone	95		-		70-130	-		
trans-1,3-Dichloropropene	87		-		70-130	-		
1,1,2-Trichloroethane	90		-		70-130	-		
Toluene	79		-		70-130	-		
2-Hexanone	89		-		70-130	-		
Dibromochloromethane	90		-		70-130	-		
1,2-Dibromoethane	83		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 WEST 96TH ST.

Project Number: 170432001

Lab Number: L2052008

Report Date: 12/01/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1439424-3								
Tetrachloroethene	79		-		70-130	-		
Chlorobenzene	81		-		70-130	-		
Ethylbenzene	85		-		70-130	-		
p/m-Xylene	86		-		70-130	-		
Bromoform	88		-		70-130	-		
Styrene	85		-		70-130	-		
1,1,2,2-Tetrachloroethane	84		-		70-130	-		
o-Xylene	88		-		70-130	-		
4-Ethyltoluene	82		-		70-130	-		
1,3,5-Trimethylbenzene	71		-		70-130	-		
1,2,4-Trimethylbenzene	84		-		70-130	-		
Benzyl chloride	80		-		70-130	-		
1,3-Dichlorobenzene	83		-		70-130	-		
1,4-Dichlorobenzene	79		-		70-130	-		
1,2-Dichlorobenzene	77		-		70-130	-		
1,2,4-Trichlorobenzene	73		-		70-130	-		
Hexachlorobutadiene	87		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 WEST 96TH ST.

Project Number: 170432001

Lab Number: L2052008

Report Date: 12/01/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02 Batch: WG1439425-3								
Vinyl chloride	82		-		70-130	-		25
1,1-Dichloroethene	91		-		70-130	-		25
cis-1,2-Dichloroethene	85		-		70-130	-		25
1,1,1-Trichloroethane	92		-		70-130	-		25
Carbon tetrachloride	97		-		70-130	-		25
Trichloroethene	87		-		70-130	-		25
Tetrachloroethene	77		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 WEST 96TH ST.

Project Number: 170432001

Lab Number: L2052008

Report Date: 12/01/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1439429-3								
Dichlorodifluoromethane	99		-		70-130	-		
Chloromethane	99		-		70-130	-		
Freon-114	102		-		70-130	-		
Vinyl chloride	102		-		70-130	-		
1,3-Butadiene	107		-		70-130	-		
Bromomethane	102		-		70-130	-		
Chloroethane	101		-		70-130	-		
Ethanol	83		-		40-160	-		
Vinyl bromide	100		-		70-130	-		
Acetone	81		-		40-160	-		
Trichlorofluoromethane	100		-		70-130	-		
Isopropanol	86		-		40-160	-		
1,1-Dichloroethene	106		-		70-130	-		
Tertiary butyl Alcohol	105		-		70-130	-		
Methylene chloride	107		-		70-130	-		
3-Chloropropene	110		-		70-130	-		
Carbon disulfide	97		-		70-130	-		
Freon-113	106		-		70-130	-		
trans-1,2-Dichloroethene	103		-		70-130	-		
1,1-Dichloroethane	105		-		70-130	-		
Methyl tert butyl ether	107		-		70-130	-		
2-Butanone	110		-		70-130	-		
cis-1,2-Dichloroethene	108		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 WEST 96TH ST.

Project Number: 170432001

Lab Number: L2052008

Report Date: 12/01/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1439429-3								
Ethyl Acetate	102		-		70-130	-		
Chloroform	106		-		70-130	-		
Tetrahydrofuran	107		-		70-130	-		
1,2-Dichloroethane	100		-		70-130	-		
n-Hexane	106		-		70-130	-		
1,1,1-Trichloroethane	102		-		70-130	-		
Benzene	100		-		70-130	-		
Carbon tetrachloride	104		-		70-130	-		
Cyclohexane	107		-		70-130	-		
1,2-Dichloropropane	103		-		70-130	-		
Bromodichloromethane	106		-		70-130	-		
1,4-Dioxane	117		-		70-130	-		
Trichloroethene	105		-		70-130	-		
2,2,4-Trimethylpentane	108		-		70-130	-		
Heptane	104		-		70-130	-		
cis-1,3-Dichloropropene	111		-		70-130	-		
4-Methyl-2-pentanone	110		-		70-130	-		
trans-1,3-Dichloropropene	95		-		70-130	-		
1,1,2-Trichloroethane	105		-		70-130	-		
Toluene	104		-		70-130	-		
2-Hexanone	119		-		70-130	-		
Dibromochloromethane	113		-		70-130	-		
1,2-Dibromoethane	107		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2052008
Report Date: 12/01/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1439429-3								
Tetrachloroethene	106		-		70-130	-		
Chlorobenzene	106		-		70-130	-		
Ethylbenzene	108		-		70-130	-		
p/m-Xylene	108		-		70-130	-		
Bromoform	116		-		70-130	-		
Styrene	110		-		70-130	-		
1,1,2,2-Tetrachloroethane	113		-		70-130	-		
o-Xylene	111		-		70-130	-		
4-Ethyltoluene	107		-		70-130	-		
1,3,5-Trimethylbenzene	106		-		70-130	-		
1,2,4-Trimethylbenzene	112		-		70-130	-		
Benzyl chloride	115		-		70-130	-		
1,3-Dichlorobenzene	111		-		70-130	-		
1,4-Dichlorobenzene	111		-		70-130	-		
1,2-Dichlorobenzene	110		-		70-130	-		
1,2,4-Trichlorobenzene	124		-		70-130	-		
Hexachlorobutadiene	123		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2052008
Report Date: 12/01/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1439424-5 QC Sample: L2052008-02 Client ID: IA08_11202020						
Dichlorodifluoromethane	0.562	0.538	ppbV	4		25
Chloromethane	0.406	0.408	ppbV	0		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	67.8	66.1	ppbV	3		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	2.67	2.49	ppbV	7		25
Trichlorofluoromethane	0.223	0.226	ppbV	1		25
Isopropanol	2.36	2.35	ppbV	0		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2052008
Report Date: 12/01/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1439424-5 QC Sample: L2052008-02 Client ID: IA08_11202020						
Chloroform	8.29	8.14	ppbV	2		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.265	0.268	ppbV	1		25
Benzene	0.378	0.362	ppbV	4		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
Xylenes, Total	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.530	0.495	ppbV	7		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2052008
Report Date: 12/01/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1439424-5 QC Sample: L2052008-02 Client ID: IA08_11202020						
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2052008
Report Date: 12/01/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1439425-5 QC Sample: L2052008-02 Client ID: IA08_11202020						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	0.059	0.057	ppbV	3		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.080	0.081	ppbV	1		25
Trichloroethene	0.154	0.140	ppbV	10		25
Tetrachloroethene	1.91	1.96	ppbV	3		25

Project Name: 266-270 WEST 96TH ST.

Lab Number: L2052008

Project Number: 170432001

Report Date: 12/01/20

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2052008-01	SSV08_11202020	01466	Flow 5	11/20/20	336370		-	-	-	Pass	10.0	9.2	8
L2052008-01	SSV08_11202020	2257	6.0L Can	11/20/20	336370	L2050584-08	Pass	-30.0	-6.4	-	-	-	-
L2052008-02	IA08_11202020	01561	Flow 4	11/20/20	336370		-	-	-	Pass	10.0	9.1	9
L2052008-02	IA08_11202020	1629	6.0L Can	11/20/20	336370	L2050810-03	Pass	-30.0	-6.7	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2050584
Report Date: 12/01/20

Air Canister Certification Results

Lab ID: L2050584-08
Client ID: CAN 1862 SHELF 39
Sample Location:

Date Collected: 11/16/20 09:00
Date Received: 11/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/17/20 23:01
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2050584
Report Date: 12/01/20

Air Canister Certification Results

Lab ID: L2050584-08
Client ID: CAN 1862 SHELF 39
Sample Location:

Date Collected: 11/16/20 09:00
Date Received: 11/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2050584
Report Date: 12/01/20

Air Canister Certification Results

Lab ID: L2050584-08
Client ID: CAN 1862 SHELF 39
Sample Location:

Date Collected: 11/16/20 09:00
Date Received: 11/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2050584
Report Date: 12/01/20

Air Canister Certification Results

Lab ID: L2050584-08
Client ID: CAN 1862 SHELF 39
Sample Location:

Date Collected: 11/16/20 09:00
Date Received: 11/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2050584
Report Date: 12/01/20

Air Canister Certification Results

Lab ID: L2050584-08
Client ID: CAN 1862 SHELF 39
Sample Location:

Date Collected: 11/16/20 09:00
Date Received: 11/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	72		60-140
Bromochloromethane	71		60-140
chlorobenzene-d5	75		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2050584
Report Date: 12/01/20

Air Canister Certification Results

Lab ID: L2050584-08
Client ID: CAN 1862 SHELF 39
Sample Location:

Date Collected: 11/16/20 09:00
Date Received: 11/16/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/17/20 23:01
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2050584

Project Number: CANISTER QC BAT **Report Date:** 12/01/20

Air Canister Certification Results

Lab ID: L2050584-08
Client ID: CAN 1862 SHELF 39
Sample Location:

Date Collected: 11/16/20 09:00
Date Received: 11/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2050584

Project Number: CANISTER QC BAT **Report Date:** 12/01/20

Air Canister Certification Results

Lab ID: L2050584-08
Client ID: CAN 1862 SHELF 39
Sample Location:

Date Collected: 11/16/20 09:00
Date Received: 11/16/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	66		60-140
bromochloromethane	67		60-140
chlorobenzene-d5	72		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2050810
Report Date: 12/01/20

Air Canister Certification Results

Lab ID: L2050810-03
Client ID: CAN 1629 SHELF 54
Sample Location:

Date Collected: 11/16/20 16:00
Date Received: 11/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/17/20 19:44
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2050810
Report Date: 12/01/20

Air Canister Certification Results

Lab ID: L2050810-03
Client ID: CAN 1629 SHELF 54
Sample Location:

Date Collected: 11/16/20 16:00
Date Received: 11/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2050810
Report Date: 12/01/20

Air Canister Certification Results

Lab ID: L2050810-03
Client ID: CAN 1629 SHELF 54
Sample Location:

Date Collected: 11/16/20 16:00
Date Received: 11/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2050810
Report Date: 12/01/20

Air Canister Certification Results

Lab ID: L2050810-03
Client ID: CAN 1629 SHELF 54
Sample Location:

Date Collected: 11/16/20 16:00
Date Received: 11/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2050810
Report Date: 12/01/20

Air Canister Certification Results

Lab ID: L2050810-03
Client ID: CAN 1629 SHELF 54
Sample Location:

Date Collected: 11/16/20 16:00
Date Received: 11/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	76		60-140
Bromochloromethane	79		60-140
chlorobenzene-d5	77		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2050810
Report Date: 12/01/20

Air Canister Certification Results

Lab ID: L2050810-03
Client ID: CAN 1629 SHELF 54
Sample Location:

Date Collected: 11/16/20 16:00
Date Received: 11/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/17/20 19:44
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2050810

Project Number: CANISTER QC BAT **Report Date:** 12/01/20

Air Canister Certification Results

Lab ID: L2050810-03
Client ID: CAN 1629 SHELF 54
Sample Location:

Date Collected: 11/16/20 16:00
Date Received: 11/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2050810

Project Number: CANISTER QC BAT **Report Date:** 12/01/20

Air Canister Certification Results

Lab ID: L2050810-03
Client ID: CAN 1629 SHELF 54
Sample Location:

Date Collected: 11/16/20 16:00
Date Received: 11/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	70		60-140
bromochloromethane	73		60-140
chlorobenzene-d5	75		60-140

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2052008
Report Date: 12/01/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2052008-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2052008-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	266-270 WEST 96TH ST.	**Lab Number:**	L2052008
Project Number:	170432001	**Report Date:**	12/01/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	266-270 WEST 96TH ST.	**Lab Number:**	L2052008
Project Number:	170432001	**Report Date:**	12/01/20

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report

Project Name:	266-270 WEST 96TH ST.	**Lab Number:**	L2052008
Project Number:	170432001	**Report Date:**	12/01/20

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name:	266-270 WEST 96TH ST.	**Lab Number:**	L2052008
Project Number:	170432001	**Report Date:**	12/01/20

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 11/21/20

ALPHA Job #: L2052008

Client Information

Client: Langan, DPC
Address:
Phone:
Fax:
Email: KSeman@Langan.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 266-270 W 96th St
Project Location: New York, NY
Project #: 170432.001
Project Manager: Kimberly Seman
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats: ASP-B
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: Please email jvanwitz@langan.com

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH Subset Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
S2008-01	SSV08-112020	11/19/20	0727	1527	-30.37	-7.44	SV	MA	6L	2257	01466	X					
02	IA08-112020	11/19/20	0731	1531	-30.83	-8.00	IA	MA	6L	1624	01561	X					

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	1550 11/20/2020		
(AAL)	11/20/20 1820	(AAL)	11/20/20 1536
	11/21/20 0432		11/21/20 04:30

ANALYTICAL REPORT

Lab Number:	L2126155
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Kimberly Semon
Phone:	(212) 479-5486
Project Name:	266-270 WEST 96TH ST.
Project Number:	170432001
Report Date:	05/20/21

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126155
Report Date: 05/20/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2126155-01	MW24_051821	WATER	NEW YORK, NY	05/18/21 11:45	05/18/21
L2126155-02	TB01_051821	WATER	NEW YORK, NY	05/18/21 00:00	05/18/21

Project Name:	266-270 WEST 96TH ST.	**Lab Number:**	L2126155
Project Number:	170432001	**Report Date:**	05/20/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	266-270 WEST 96TH ST.	**Lab Number:**	L2126155
Project Number:	170432001	**Report Date:**	05/20/21

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative

Date: 05/20/21

ORGANICS

VOLATILES

Project Name: 266-270 WEST 96TH ST. **Lab Number:** L2126155

Project Number: 170432001 **Report Date:** 05/20/21

SAMPLE RESULTS

Lab ID: L2126155-01
Client ID: MW24_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 11:45
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/19/21 22:15
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.36	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 266-270 WEST 96TH ST. **Lab Number:** L2126155

Project Number: 170432001 **Report Date:** 05/20/21

SAMPLE RESULTS

Lab ID: L2126155-01 Date Collected: 05/18/21 11:45

Client ID: MW24_051821 Date Received: 05/18/21

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.23	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.0	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	2.0	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 266-270 WEST 96TH ST. **Lab Number:** L2126155

Project Number: 170432001 **Report Date:** 05/20/21

SAMPLE RESULTS

Lab ID: L2126155-01 Date Collected: 05/18/21 11:45

Client ID: MW24_051821 Date Received: 05/18/21

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	102		70-130

Project Name: 266-270 WEST 96TH ST. **Lab Number:** L2126155

Project Number: 170432001 **Report Date:** 05/20/21

SAMPLE RESULTS

Lab ID: L2126155-02
Client ID: TB01_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 00:00
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 05/19/21 22:40
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 266-270 WEST 96TH ST. **Lab Number:** L2126155

Project Number: 170432001 **Report Date:** 05/20/21

SAMPLE RESULTS

Lab ID: L2126155-02 Date Collected: 05/18/21 00:00

Client ID: TB01_051821 Date Received: 05/18/21

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 266-270 WEST 96TH ST. **Lab Number:** L2126155

Project Number: 170432001 **Report Date:** 05/20/21

SAMPLE RESULTS

Lab ID: L2126155-02 Date Collected: 05/18/21 00:00

Client ID: TB01_051821 Date Received: 05/18/21

Sample Location: NEW YORK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	114		70-130

Project Name: 266-270 WEST 96TH ST. **Lab Number:** L2126155

Project Number: 170432001 **Report Date:** 05/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/19/21 14:27
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1501417-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 266-270 WEST 96TH ST. **Lab Number:** L2126155

Project Number: 170432001 **Report Date:** 05/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/19/21 14:27
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1501417-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 266-270 WEST 96TH ST. **Lab Number:** L2126155

Project Number: 170432001 **Report Date:** 05/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/19/21 14:27
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1501417-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126155
Report Date: 05/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1501417-3 WG1501417-4								
Methylene chloride	89		89		70-130	0		20
1,1-Dichloroethane	82		82		70-130	0		20
Chloroform	87		86		70-130	1		20
Carbon tetrachloride	83		81		63-132	2		20
1,2-Dichloropropane	84		83		70-130	1		20
Dibromochloromethane	90		89		63-130	1		20
1,1,2-Trichloroethane	91		89		70-130	2		20
Tetrachloroethene	94		92		70-130	2		20
Chlorobenzene	92		92		75-130	0		20
Trichlorofluoromethane	81		80		62-150	1		20
1,2-Dichloroethane	79		76		70-130	4		20
1,1,1-Trichloroethane	85		83		67-130	2		20
Bromodichloromethane	84		84		67-130	0		20
trans-1,3-Dichloropropene	77		76		70-130	1		20
cis-1,3-Dichloropropene	84		83		70-130	1		20
1,1-Dichloropropene	82		81		70-130	1		20
Bromoform	95		88		54-136	8		20
1,1,2,2-Tetrachloroethane	99		93		67-130	6		20
Benzene	89		88		70-130	1		20
Toluene	90		90		70-130	0		20
Ethylbenzene	92		92		70-130	0		20
Chloromethane	65		64		64-130	2		20
Bromomethane	60		63		39-139	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 WEST 96TH ST.

Project Number: 170432001

Lab Number: L2126155

Report Date: 05/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1501417-3 WG1501417-4								
Vinyl chloride	66		65		55-140	2		20
Chloroethane	66		66		55-138	0		20
1,1-Dichloroethene	88		86		61-145	2		20
trans-1,2-Dichloroethene	89		88		70-130	1		20
Trichloroethene	88		86		70-130	2		20
1,2-Dichlorobenzene	94		94		70-130	0		20
1,3-Dichlorobenzene	94		93		70-130	1		20
1,4-Dichlorobenzene	93		93		70-130	0		20
Methyl tert butyl ether	84		81		63-130	4		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	92		92		70-130	0		20
Dibromomethane	84		82		70-130	2		20
1,2,3-Trichloropropane	91		84		64-130	8		20
Acrylonitrile	85		79		70-130	7		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	52		52		36-147	0		20
Acetone	74		66		58-148	11		20
Carbon disulfide	85		84		51-130	1		20
2-Butanone	90		85		63-138	6		20
Vinyl acetate	100		96		70-130	4		20
4-Methyl-2-pentanone	82		79		59-130	4		20
2-Hexanone	82		78		57-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126155
Report Date: 05/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1501417-3 WG1501417-4								
Bromochloromethane	99		98		70-130	1		20
2,2-Dichloropropane	71		69		63-133	3		20
1,2-Dibromoethane	95		92		70-130	3		20
1,3-Dichloropropane	87		86		70-130	1		20
1,1,1,2-Tetrachloroethane	85		85		64-130	0		20
Bromobenzene	99		97		70-130	2		20
n-Butylbenzene	89		87		53-136	2		20
sec-Butylbenzene	90		88		70-130	2		20
tert-Butylbenzene	99		83		70-130	18		20
o-Chlorotoluene	91		91		70-130	0		20
p-Chlorotoluene	93		92		70-130	1		20
1,2-Dibromo-3-chloropropane	93		88		41-144	6		20
Hexachlorobutadiene	99		96		63-130	3		20
Isopropylbenzene	95		94		70-130	1		20
p-Isopropyltoluene	89		87		70-130	2		20
Naphthalene	97		94		70-130	3		20
n-Propylbenzene	91		90		69-130	1		20
1,2,3-Trichlorobenzene	92		92		70-130	0		20
1,2,4-Trichlorobenzene	90		90		70-130	0		20
1,3,5-Trimethylbenzene	92		91		64-130	1		20
1,2,4-Trimethylbenzene	93		92		70-130	1		20
1,4-Dioxane	110		102		56-162	8		20
p-Diethylbenzene	86		86		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 WEST 96TH ST.

Project Number: 170432001

Lab Number: L2126155

Report Date: 05/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1501417-3 WG1501417-4								
p-Ethyltoluene	91		89		70-130	2		20
1,2,4,5-Tetramethylbenzene	84		84		70-130	0		20
Ethyl ether	84		82		59-134	2		20
trans-1,4-Dichloro-2-butene	81		75		70-130	8		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	84		83		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	93		93		70-130

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126155
Report Date: 05/20/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2126155-01A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260(14)
L2126155-01B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260(14)
L2126155-01C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260(14)
L2126155-02A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260(14)
L2126155-02B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	266-270 WEST 96TH ST.	**Lab Number:**	L2126155
Project Number:	170432001	**Report Date:**	05/20/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	266-270 WEST 96TH ST.	**Lab Number:**	L2126155
Project Number:	170432001	**Report Date:**	05/20/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	266-270 WEST 96TH ST.	**Lab Number:**	L2126155
Project Number:	170432001	**Report Date:**	05/20/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	266-270 WEST 96TH ST.	**Lab Number:**	L2126155
Project Number:	170432001	**Report Date:**	05/20/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

GROUNDWATER

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-9288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 05/18/21

ALPHA Job #: L2126155

Client Information
Client: LANGAN, DPC
Address: 21 PENN PLAZA STE 8
NY, NY 10001
Phone:
Fax:
Email: BEMOVE@LANGAN.COM

Project Information
Project Name: 266-270 WEST 96TH ST.
Project Location: NEW YORK, NY
Project #: 170432001
(Use Project name as Project #): ☐
Project Manager: KIM SEMON
ALPHAQuote #:

Turn-Around Time
Standard ☐
Rush (only if pre approved) ☒ 48 HRS
Due Date:
# of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other TCL
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
** ALSO EMAIL JYAKUBOWITZ@LANGAN.COM **

Please specify Metals or TAL.

ANALYSIS
PART 375/TCL TARGET LIST

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments
26155 -01	MW24-051821	5/18/21	11:45	GW	JM	(3) 40ML
-02	TB01-051821	"	—	DW		(2) 40ML

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	5/18/21		5/18/21 17:30
	5/18/21	ASC	5/18/21 20:30
ASC	5/18/21 23:55		5/18/21 23:55

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2126149
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Kimberly Semon
Phone:	(212) 479-5486
Project Name:	266-270 WEST 96TH ST.
Project Number:	170432001
Report Date:	05/20/21

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126149
Report Date: 05/20/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2126149-01	SSV24_051821	SOIL_VAPOR	NEW YORK, NY	05/18/21 17:12	05/18/21
L2126149-02	IA24_051821	AIR	NEW YORK, NY	05/18/21 17:11	05/18/21
L2126149-03	SSV25_051821	SOIL_VAPOR	NEW YORK, NY	05/18/21 17:15	05/18/21
L2126149-04	IA25_051821	AIR	NEW YORK, NY	05/18/21 17:16	05/18/21
L2126149-05	AA01_051821	AIR	NEW YORK, NY	05/18/21 17:17	05/18/21

Project Name:	266-270 WEST 96TH ST.	**Lab Number:**	L2126149
Project Number:	170432001	**Report Date:**	05/20/21

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	266-270 WEST 96TH ST.	**Lab Number:**	L2126149
Project Number:	170432001	**Report Date:**	05/20/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on May 10, 2021. The canister certification results are provided as an addendum.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 05/20/21

AIR

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-01
Client ID: SSV24_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:12
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/20/21 01:57
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.471	0.200	--	2.33	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-01
Client ID: SSV24_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:12
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	10.1	0.200	--	49.3	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	0.281	0.200	--	1.88	1.34	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	10.5	0.200	--	71.2	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-01
Client ID: SSV24_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:12
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	84		60-140

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-02
Client ID: IA24_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:11
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/19/21 21:20
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.470	0.200	--	2.32	0.989	--		1
Chloromethane	0.562	0.200	--	1.16	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	20.0	5.00	--	37.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.28	1.00	--	14.9	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	8.66	0.500	--	21.3	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	6.22	0.200	--	30.4	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-02
Client ID: IA24_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:11
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.541	0.200	--	2.04	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-02
Client ID: IA24_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:11
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	84		60-140

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-02
Client ID: IA24_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:11
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/19/21 21:20
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.082	0.020	--	0.516	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.253	0.020	--	1.72	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	89		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	84		60-140

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-03
Client ID: SSV25_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:15
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/20/21 02:36
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.710	0.200	--	3.51	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	0.216	0.200	--	1.21	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-03
Client ID: SSV25_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:15
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	66.5	0.200	--	325	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	2.52	0.200	--	16.9	1.34	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	14.3	0.200	--	97.0	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-03
Client ID: SSV25_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:15
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	83		60-140

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-04
Client ID: IA25_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:16
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/19/21 22:39
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.468	0.200	--	2.31	0.989	--		1
Chloromethane	0.545	0.200	--	1.13	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	18.9	5.00	--	35.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.63	1.00	--	13.4	2.38	--		1
Trichlorofluoromethane	0.200	0.200	--	1.12	1.12	--		1
Isopropanol	7.42	0.500	--	18.2	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	5.73	0.200	--	28.0	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-04
Client ID: IA25_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:16
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.473	0.200	--	1.78	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-04
Client ID: IA25_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:16
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	85		60-140

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-04
Client ID: IA25_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:16
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/19/21 22:39
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.072	0.020	--	0.453	0.126	--		1
Trichloroethene	0.020	0.020	--	0.107	0.107	--		1
Tetrachloroethene	0.226	0.020	--	1.53	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	89		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	84		60-140

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-05
Client ID: AA01_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:17
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/19/21 18:43
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.412	0.200	--	2.04	0.989	--		1
Chloromethane	0.849	0.200	--	1.75	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	15.7	5.00	--	29.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.02	1.00	--	9.55	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	1.03	0.500	--	2.53	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-05
Client ID: AA01_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:17
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-05
Client ID: AA01_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:17
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	86		60-140

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2126149
Report Date: 05/20/21

SAMPLE RESULTS

Lab ID: L2126149-05
Client ID: AA01_051821
Sample Location: NEW YORK, NY

Date Collected: 05/18/21 17:17
Date Received: 05/18/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/19/21 18:43
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.066	0.020	--	0.415	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.026	0.020	--	0.176	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	89		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	87		60-140

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2126149
Report Date: 05/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/19/21 15:45

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1501145-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2126149
Report Date: 05/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/19/21 15:45

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1501145-4								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2126149
Report Date: 05/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/19/21 15:45

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1501145-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001
Lab Number: L2126149
Report Date: 05/20/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/19/21 16:24

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02,04-05 Batch: WG1501147-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 WEST 96TH ST.

Project Number: 170432001

Lab Number: L2126149

Report Date: 05/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1501145-3								
Dichlorodifluoromethane	90		-		70-130	-		
Chloromethane	89		-		70-130	-		
Freon-114	90		-		70-130	-		
Vinyl chloride	91		-		70-130	-		
1,3-Butadiene	92		-		70-130	-		
Bromomethane	88		-		70-130	-		
Chloroethane	103		-		70-130	-		
Ethanol	80		-		40-160	-		
Vinyl bromide	80		-		70-130	-		
Acetone	62		-		40-160	-		
Trichlorofluoromethane	81		-		70-130	-		
Isopropanol	63		-		40-160	-		
1,1-Dichloroethene	92		-		70-130	-		
Tertiary butyl Alcohol	76		-		70-130	-		
Methylene chloride	99		-		70-130	-		
3-Chloropropene	99		-		70-130	-		
Carbon disulfide	85		-		70-130	-		
Freon-113	92		-		70-130	-		
trans-1,2-Dichloroethene	90		-		70-130	-		
1,1-Dichloroethane	91		-		70-130	-		
Methyl tert butyl ether	81		-		70-130	-		
2-Butanone	91		-		70-130	-		
cis-1,2-Dichloroethene	95		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 WEST 96TH ST.

Project Number: 170432001

Lab Number: L2126149

Report Date: 05/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1501145-3								
Ethyl Acetate	93		-		70-130	-		
Chloroform	95		-		70-130	-		
Tetrahydrofuran	88		-		70-130	-		
1,2-Dichloroethane	91		-		70-130	-		
n-Hexane	100		-		70-130	-		
1,1,1-Trichloroethane	100		-		70-130	-		
Benzene	98		-		70-130	-		
Carbon tetrachloride	105		-		70-130	-		
Cyclohexane	103		-		70-130	-		
1,2-Dichloropropane	104		-		70-130	-		
Bromodichloromethane	106		-		70-130	-		
1,4-Dioxane	99		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	105		-		70-130	-		
Heptane	105		-		70-130	-		
cis-1,3-Dichloropropene	103		-		70-130	-		
4-Methyl-2-pentanone	109		-		70-130	-		
trans-1,3-Dichloropropene	86		-		70-130	-		
1,1,2-Trichloroethane	104		-		70-130	-		
Toluene	90		-		70-130	-		
2-Hexanone	97		-		70-130	-		
Dibromochloromethane	102		-		70-130	-		
1,2-Dibromoethane	92		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 WEST 96TH ST.

Project Number: 170432001

Lab Number: L2126149

Report Date: 05/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1501145-3								
Tetrachloroethene	88		-		70-130	-		
Chlorobenzene	94		-		70-130	-		
Ethylbenzene	96		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Bromoform	102		-		70-130	-		
Styrene	98		-		70-130	-		
1,1,2,2-Tetrachloroethane	107		-		70-130	-		
o-Xylene	99		-		70-130	-		
4-Ethyltoluene	98		-		70-130	-		
1,3,5-Trimethylbenzene	100		-		70-130	-		
1,2,4-Trimethylbenzene	100		-		70-130	-		
Benzyl chloride	105		-		70-130	-		
1,3-Dichlorobenzene	99		-		70-130	-		
1,4-Dichlorobenzene	96		-		70-130	-		
1,2-Dichlorobenzene	97		-		70-130	-		
1,2,4-Trichlorobenzene	86		-		70-130	-		
Hexachlorobutadiene	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 266-270 WEST 96TH ST.

Project Number: 170432001

Lab Number: L2126149

Report Date: 05/20/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,04-05 Batch: WG1501147-3								
Vinyl chloride	93		-		70-130	-		25
1,1-Dichloroethene	89		-		70-130	-		25
cis-1,2-Dichloroethene	94		-		70-130	-		25
1,1,1-Trichloroethane	97		-		70-130	-		25
Carbon tetrachloride	102		-		70-130	-		25
Trichloroethene	96		-		70-130	-		25
Tetrachloroethene	88		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126149
Report Date: 05/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1501145-5 QC Sample: L2126149-02 Client ID: IA24_051821						
Dichlorodifluoromethane	0.470	0.467	ppbV	1		25
Chloromethane	0.562	0.576	ppbV	2		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	20.0	18.9	ppbV	6		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	6.28	5.86	ppbV	7		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Isopropanol	8.66	8.11	ppbV	7		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126149
Report Date: 05/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1501145-5 QC Sample: L2126149-02 Client ID: IA24_051821						
Chloroform	6.22	6.08	ppbV	2		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
Xylenes, Total	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.541	0.530	ppbV	2		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126149
Report Date: 05/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1501145-5 QC Sample: L2126149-02 Client ID: IA24_051821						
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126149
Report Date: 05/20/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,04-05 QC Batch ID: WG1501147-5 QC Sample: L2126149-02 Client ID: IA24_051821						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.082	0.068	ppbV	19		25
Trichloroethene	ND	0.022	ppbV	NC		25
Tetrachloroethene	0.253	0.251	ppbV	1		25

Project Name: 266-270 WEST 96TH ST.

Lab Number: L2126149

Project Number: 170432001

Report Date: 05/20/21

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2126149-01	SSV24_051821	0118	Flow 5	05/10/21	351138		-	-	-	Pass	10.0	9.5	5
L2126149-01	SSV24_051821	615	6.0L Can	05/10/21	351138	L2118782-03	Pass	-29.5	-8.1	-	-	-	-
L2126149-02	IA24_051821	0909	Flow 4	05/10/21	351138		-	-	-	Pass	10.0	9.7	3
L2126149-02	IA24_051821	590	6.0L Can	05/10/21	351138	L2118782-03	Pass	-29.1	-6.5	-	-	-	-
L2126149-03	SSV25_051821	01003	Flow 5	05/10/21	351138		-	-	-	Pass	10.0	9.8	2
L2126149-03	SSV25_051821	2653	6.0L Can	05/10/21	351138	L2118782-03	Pass	-29.1	-7.5	-	-	-	-
L2126149-04	IA25_051821	01695	Flow 4	05/10/21	351138		-	-	-	Pass	10.0	9.8	2
L2126149-04	IA25_051821	2620	6.0L Can	05/10/21	351138	L2118782-03	Pass	-29.4	-6.6	-	-	-	-
L2126149-05	AA01_051821	01560	Flow 4	05/10/21	351138		-	-	-	Pass	10.0	10.0	0
L2126149-05	AA01_051821	961	6.0L Can	05/10/21	351138	L2118782-03	Pass	-29.2	-7.5	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2118782
Report Date: 05/20/21

Air Canister Certification Results

Lab ID: L2118782-03
Client ID: CAN 2986 SHELF 49
Sample Location:

Date Collected: 04/13/21 16:00
Date Received: 04/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/15/21 18:44
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2118782

Project Number: CANISTER QC BAT **Report Date:** 05/20/21

Air Canister Certification Results

Lab ID: L2118782-03
Client ID: CAN 2986 SHELF 49
Sample Location:

Date Collected: 04/13/21 16:00
Date Received: 04/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2118782
Report Date: 05/20/21

Air Canister Certification Results

Lab ID: L2118782-03
Client ID: CAN 2986 SHELF 49
Sample Location:

Date Collected: 04/13/21 16:00
Date Received: 04/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2118782
Report Date: 05/20/21

Air Canister Certification Results

Lab ID: L2118782-03
Client ID: CAN 2986 SHELF 49
Sample Location:

Date Collected: 04/13/21 16:00
Date Received: 04/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2118782
Report Date: 05/20/21

Air Canister Certification Results

Lab ID: L2118782-03
Client ID: CAN 2986 SHELF 49
Sample Location:

Date Collected: 04/13/21 16:00
Date Received: 04/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2118782
Report Date: 05/20/21

Air Canister Certification Results

Lab ID: L2118782-03
Client ID: CAN 2986 SHELF 49
Sample Location:

Date Collected: 04/13/21 16:00
Date Received: 04/14/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/15/21 18:44
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2118782

Project Number: CANISTER QC BAT **Report Date:** 05/20/21

Air Canister Certification Results

Lab ID: L2118782-03
Client ID: CAN 2986 SHELF 49
Sample Location:

Date Collected: 04/13/21 16:00
Date Received: 04/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2118782

Project Number: CANISTER QC BAT **Report Date:** 05/20/21

Air Canister Certification Results

Lab ID: L2118782-03
Client ID: CAN 2986 SHELF 49
Sample Location:

Date Collected: 04/13/21 16:00
Date Received: 04/14/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	93		60-140

Project Name: 266-270 WEST 96TH ST.
Project Number: 170432001

Lab Number: L2126149
Report Date: 05/20/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2126149-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2126149-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2126149-03A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2126149-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2126149-05A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	266-270 WEST 96TH ST.	**Lab Number:**	L2126149
Project Number:	170432001	**Report Date:**	05/20/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	266-270 WEST 96TH ST.	**Lab Number:**	L2126149
Project Number:	170432001	**Report Date:**	05/20/21

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report

Project Name:	266-270 WEST 96TH ST.	**Lab Number:**	L2126149
Project Number:	170432001	**Report Date:**	05/20/21

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name:	266-270 WEST 96TH ST.	**Lab Number:**	L2126149
Project Number:	170432001	**Report Date:**	05/20/21

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

SOIL VAPOR / INDOOR / AMBIENT AIR

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/19/21

ALPHA Job #: L2126149

Client Information

Client: LANDAU PPC
Address: 21 Penn Plaza, Ste. 8
NY, NY 10001
Phone:
Fax:
Email: KSEMONE@LANDAU.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 266-270 West 96th St.
Project Location: NEW YORK, NY
Project #: 17043201
Project Manager: KIM SEMONE
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved)
Date Due: 48 HR. Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☒ Additional Deliverables: ASP-B
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
NYSDEC Part 375		

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH (Subject Non-petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
26149-01	SSV24_051821	5/18/21	9:12	17:12	-30.27	-7.98	SV	JM	6L	615	0118	X					
02	IA24_051821		9:11	17:11	-30.47	-6.82	IA			590	0909	X					
03	SSV25_051821		9:15	17:15	-30.62	-7.47	SV			2653	01003	X					
04	IA25_051821		9:16	17:16	-30.58	-6.91	IA			2620	01495	X					
05	AA01_051821		9:17	17:17	-30.54	-7.68	AA			961	01560	X					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
	5/18/21 1730		
	5/18/21 1900		
	5/19 0300		5/19/21 0300

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 Rev: (25-Sep-15)

APPENDIX I

FISH & WILDLIFE RESOURCES IMPACT ANALYSIS

Appendix 3C Fish and Wildlife Resources Impact Analysis Decision Key	If YES Go to:	If NO Go to:
1. Is the site or area of concern a discharge or spill event?	13	2
2. Is the site or area of concern a point source of contamination to the groundwater which will be prevented from discharging to surface water? Soil contamination is not widespread, or if widespread, is confined under buildings and paved areas.	13	3
3. Is the site and all adjacent property a developed area with buildings, paved surfaces and little or no vegetation?	4	9
4. Does the site contain habitat of an endangered, threatened or special concern species?	Section 3.10.1	5
5. Has the contamination gone off-site?	6	14
6. Is there any discharge or erosion of contamination to surface water or the potential for discharge or erosion of contamination?	7	14
7. Are the site contaminants PCBs, pesticides or other persistent, bioaccumulable substances?	Section 3.10.1	8
8. Does contamination exist at concentrations that could exceed ecological impact SCGs or be toxic to aquatic life if discharged to surface water?	Section 3.10.1	14
9. Does the site or any adjacent or downgradient property contain any of the following resources? i. Any endangered, threatened or special concern species or rare plants or their habitat ii. Any DEC designated significant habitats or rare NYS Ecological Communities iii. Tidal or freshwater wetlands iv. Stream, creek or river v. Pond, lake, lagoon vi. Drainage ditch or channel vii. Other surface water feature viii. Other marine or freshwater habitat ix. Forest x. Grassland or grassy field xi. Parkland or woodland xii. Shrubby area xiii. Urban wildlife habitat xiv. Other terrestrial habitat	11	10
10. Is the lack of resources due to the contamination?	3.10.1	14
11. Is the contamination a localized source which has not migrated and will not migrate from the source to impact any on-site or off-site resources?	14	12
12. Does the site have widespread surface soil contamination that is not confined under and around buildings or paved areas?	Section 3.10.1	12
13. Does the contamination at the site or area of concern have the potential to migrate to, erode into or otherwise impact any on-site or off-site habitat of endangered, threatened or special concern species or other fish and wildlife resource? (See #9 for list of potential resources. Contact DEC for information regarding endangered species.)	Section 3.10.1	14
14. No Fish and Wildlife Resources Impact Analysis needed.		

APPENDIX J

REMEDIAL ACTION CONSTUCTION SCHEDULE

Appendix J
Remedial Action Work Plan
Remedial Action Construction Schedule
266-270 West 96th Street
New York, NY

Estimated Project Schedule

Item	Action	2021												2022											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	Preparation and Submission of RIR and RAWP	■	■																						
2	NYSDEC & NYSDOH Review of RIR and RAWP			■	■																				
3	45-Day Public Comment Period for BCP Application/RAWP and Issuance of Decision Document					■	■	■	■																
4	Design and Permitting							■	■	■	■	■	■	■											
5	Implementation of RAWP with Engineering Oversight														■	■	■	■	■						
6	Preparation of an Environmental Easement, FER, and SMP																		■	■	■	■			
7	NYSDEC & NYSDOH Review of FER and SMP,																					■	■	■	
8	NYSDEC Issues COC																								■

Notes:

a) This is an estimated schedule; all items are subject to change.
b) Completion of Item 5 refers to the completion of remediation and not the end of overall construction.
c) NYSDEC = New York State Department of Environmental Conservation
d) NYSDOH = New York State Department of Health
e) RIR = Remedial Investigation Report
f) RAWP = Remedial Action Work Plan
g) FER = Final Engineering Report
h) SMP = Site Management Plan
i) COC = Certificate of Completion