284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	P4385	**OrderDate:**	10/10/2024 2:00:00 PM
Client:	Scheideler Excavating Co. Inc.	**Project:**	Robbinsville
Contact:	Jim Scheideler	**Location:**	K51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4385-01	**SP-1**	**SOIL**			**10/10/24**			**10/10/24**
			VOC-TCLVOA-10	8260D			10/11/24	
P4385-03	**SP-2**	**SOIL**			**10/10/24**			**10/10/24**
			VOC-TCLVOA-10	8260D			10/11/24	
P4385-05	**SP-3**	**SOIL**			**10/10/24**			**10/10/24**
			VOC-TCLVOA-10	8260D			10/11/24	
P4385-07	**SP-4**	**SOIL**			**10/10/24**			**10/10/24**
			VOC-TCLVOA-10	8260D			10/11/24	
P4385-09	**SP-5**	**SOIL**			**10/10/24**			**10/10/24**
			VOC-TCLVOA-10	8260D			10/11/24	
P4385-11	**SP-6**	**SOIL**			**10/10/24**			**10/10/24**
			VOC-TCLVOA-10	8260D			10/14/24	
P4385-13	**SP-7**	**SOIL**			**10/10/24**			**10/10/24**
			VOC-TCLVOA-10	8260D			10/14/24	
P4385-15	**SP-8**	**SOIL**			**10/10/24**			**10/10/24**
			VOC-TCLVOA-10	8260D			10/11/24	
P4385-17	**SP-9**	**SOIL**			**10/10/24**			**10/10/24**
			VOC-TCLVOA-10	8260D			10/11/24	
P4385-19	**SP-10**	**SOIL**			**10/10/24**			**10/10/24**
			VOC-TCLVOA-10	8260D			10/11/24	

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Hit Summary Sheet
SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration		C	MDL	RDL	Units
Client ID:	**SP-2**									
P4385-03	SP-2	SOIL	11H-Dibenzo[b,e][1,4]diazepin	*	9.30		J	0	0	ug/Kg
			Total Tics :			9.30				
			Total Concentration:			9.30				
Client ID:	**SP-3**									
P4385-05	SP-3	SOIL	Benzeneethanamine, N-[(penta	*	6.50		J	0	0	ug/Kg
			Total Tics :			6.50				
			Total Concentration:			6.50				
Client ID:	**SP-5**									
P4385-09	SP-5	SOIL	11H-Dibenzo[b,e][1,4]diazepin	*	8.90		J	0	0	ug/Kg
			Total Tics :			8.90				
			Total Concentration:			8.90				
Client ID:	**SP-9**									
P4385-17	SP-9	SOIL	D-Limonene	*	6.10		J	0	0	ug/Kg
P4385-17	SP-9	SOIL	11H-Dibenzo[b,e][1,4]diazepin	*	9.90		J	0	0	ug/Kg
			Total Tics :			16.0				
			Total Concentration:			16.0				

SAMPLE DATA

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.8
Sample Wt/Vol:	3.43 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019870.D	1		10/11/24 14:37	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.60	U	2.60	7.90	ug/Kg
74-87-3	Chloromethane	1.80	U	1.80	7.90	ug/Kg
75-01-4	Vinyl Chloride	1.20	U	1.20	7.90	ug/Kg
74-83-9	Bromomethane	1.60	U	1.60	7.90	ug/Kg
75-00-3	Chloroethane	1.60	U	1.60	7.90	ug/Kg
75-69-4	Trichlorofluoromethane	1.40	U	1.40	7.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.70	U	1.70	7.90	ug/Kg
75-35-4	1,1-Dichloroethene	1.20	U	1.20	7.90	ug/Kg
67-64-1	Acetone	9.80	U	9.80	39.3	ug/Kg
75-15-0	Carbon Disulfide	2.00	U	2.00	7.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.10	U	1.10	7.90	ug/Kg
79-20-9	Methyl Acetate	2.80	U	2.80	7.90	ug/Kg
75-09-2	Methylene Chloride	5.40	U	5.40	15.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.30	U	1.30	7.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.99	U	0.99	7.90	ug/Kg
110-82-7	Cyclohexane	1.10	U	1.10	7.90	ug/Kg
78-93-3	2-Butanone	8.90	U	8.90	39.3	ug/Kg
56-23-5	Carbon Tetrachloride	1.40	U	1.40	7.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.96	U	0.96	7.90	ug/Kg
74-97-5	Bromochloromethane	3.80	U	3.80	7.90	ug/Kg
67-66-3	Chloroform	1.10	U	1.10	7.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	7.90	ug/Kg
108-87-2	Methylcyclohexane	1.40	U	1.40	7.90	ug/Kg
71-43-2	Benzene	1.10	U	1.10	7.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.96	U	0.96	7.90	ug/Kg
79-01-6	Trichloroethene	1.20	U	1.20	7.90	ug/Kg
78-87-5	1,2-Dichloropropane	1.00	U	1.00	7.90	ug/Kg
75-27-4	Bromodichloromethane	0.88	U	0.88	7.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.80	U	6.80	39.3	ug/Kg
108-88-3	Toluene	1.10	U	1.10	7.90	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.8
Sample Wt/Vol:	3.43 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019870.D	1		10/11/24 14:37	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.94	U	0.94	7.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.90	U	0.90	7.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.30	U	1.30	7.90	ug/Kg
591-78-6	2-Hexanone	7.50	U	7.50	39.3	ug/Kg
124-48-1	Dibromochloromethane	1.00	U	1.00	7.90	ug/Kg
106-93-4	1,2-Dibromoethane	1.20	U	1.20	7.90	ug/Kg
127-18-4	Tetrachloroethene	1.40	U	1.40	7.90	ug/Kg
108-90-7	Chlorobenzene	1.20	U	1.20	7.90	ug/Kg
100-41-4	Ethyl Benzene	0.97	U	0.97	7.90	ug/Kg
179601-23-1	m/p-Xylenes	2.10	U	2.10	15.7	ug/Kg
95-47-6	o-Xylene	1.10	U	1.10	7.90	ug/Kg
100-42-5	Styrene	0.94	U	0.94	7.90	ug/Kg
75-25-2	Bromoform	1.30	U	1.30	7.90	ug/Kg
98-82-8	Isopropylbenzene	1.10	U	1.10	7.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	1.70	7.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.20	U	1.20	7.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	7.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.93	U	0.93	7.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.50	U	2.50	7.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.20	U	1.20	7.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.20	U	1.20	7.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.0		70 (50) - 130 (163)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 (54) - 130 (147)	99%	SPK: 50
2037-26-5	Toluene-d8	50.3		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.9		70 (29) - 130 (146)	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	263000	7.707			
540-36-3	1,4-Difluorobenzene	539000	8.616			
3114-55-4	Chlorobenzene-d5	490000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	182000	13.346			

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.8
Sample Wt/Vol:	3.43 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019870.D	1		10/11/24 14:37	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.4
Sample Wt/Vol:	5.47 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019871.D	1		10/11/24 15:01	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	4.80	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.80	ug/Kg
75-01-4	Vinyl Chloride	0.75	U	0.75	4.80	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.80	ug/Kg
75-00-3	Chloroethane	0.98	U	0.98	4.80	ug/Kg
75-69-4	Trichlorofluoromethane	0.88	U	0.88	4.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.76	U	0.76	4.80	ug/Kg
67-64-1	Acetone	6.00	U	6.00	24.2	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	4.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.65	U	0.65	4.80	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	4.80	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.81	U	0.81	4.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.61	U	0.61	4.80	ug/Kg
110-82-7	Cyclohexane	0.67	U	0.67	4.80	ug/Kg
78-93-3	2-Butanone	5.50	U	5.50	24.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.84	U	0.84	4.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.59	U	0.59	4.80	ug/Kg
74-97-5	Bromochloromethane	2.30	U	2.30	4.80	ug/Kg
67-66-3	Chloroform	0.65	U	0.65	4.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.76	U	0.76	4.80	ug/Kg
108-87-2	Methylcyclohexane	0.84	U	0.84	4.80	ug/Kg
71-43-2	Benzene	0.70	U	0.70	4.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.59	U	0.59	4.80	ug/Kg
79-01-6	Trichloroethene	0.73	U	0.73	4.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.64	U	0.64	4.80	ug/Kg
75-27-4	Bromodichloromethane	0.54	U	0.54	4.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.20	U	4.20	24.2	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.80	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.4
Sample Wt/Vol:	5.47 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019871.D	1		10/11/24 15:01	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.58	U	0.58	4.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.55	U	0.55	4.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.81	U	0.81	4.80	ug/Kg
591-78-6	2-Hexanone	4.60	U	4.60	24.2	ug/Kg
124-48-1	Dibromochloromethane	0.63	U	0.63	4.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.76	U	0.76	4.80	ug/Kg
127-18-4	Tetrachloroethene	0.86	U	0.86	4.80	ug/Kg
108-90-7	Chlorobenzene	0.72	U	0.72	4.80	ug/Kg
100-41-4	Ethyl Benzene	0.60	U	0.60	4.80	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	9.70	ug/Kg
95-47-6	o-Xylene	0.68	U	0.68	4.80	ug/Kg
100-42-5	Styrene	0.58	U	0.58	4.80	ug/Kg
75-25-2	Bromoform	0.78	U	0.78	4.80	ug/Kg
98-82-8	Isopropylbenzene	0.65	U	0.65	4.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.72	U	0.72	4.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.77	U	0.77	4.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.57	U	0.57	4.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.76	U	0.76	4.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.76	U	0.76	4.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.7		70 (50) - 130 (163)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		70 (54) - 130 (147)	99%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (58) - 130 (134)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.0		70 (29) - 130 (146)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	269000	7.713			
540-36-3	1,4-Difluorobenzene	544000	8.616			
3114-55-4	Chlorobenzene-d5	485000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	174000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.4
Sample Wt/Vol:	5.47 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019871.D	1		10/11/24 15:01	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	9.30	J		13.9	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.1
Sample Wt/Vol:	5.49 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019872.D	1		10/11/24 15:24	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	4.70	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.70	ug/Kg
75-01-4	Vinyl Chloride	0.73	U	0.73	4.70	ug/Kg
74-83-9	Bromomethane	0.98	U	0.98	4.70	ug/Kg
75-00-3	Chloroethane	0.96	U	0.96	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.86	U	0.86	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.74	U	0.74	4.70	ug/Kg
67-64-1	Acetone	5.90	U	5.90	23.7	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.63	U	0.63	4.70	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	4.70	ug/Kg
75-09-2	Methylene Chloride	3.20	U	3.20	9.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.80	U	0.80	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.60	U	0.60	4.70	ug/Kg
110-82-7	Cyclohexane	0.65	U	0.65	4.70	ug/Kg
78-93-3	2-Butanone	5.40	U	5.40	23.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.82	U	0.82	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.58	U	0.58	4.70	ug/Kg
74-97-5	Bromochloromethane	2.30	U	2.30	4.70	ug/Kg
67-66-3	Chloroform	0.63	U	0.63	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.74	U	0.74	4.70	ug/Kg
108-87-2	Methylcyclohexane	0.82	U	0.82	4.70	ug/Kg
71-43-2	Benzene	0.68	U	0.68	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.58	U	0.58	4.70	ug/Kg
79-01-6	Trichloroethene	0.71	U	0.71	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.63	U	0.63	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.53	U	0.53	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.10	U	4.10	23.7	ug/Kg
108-88-3	Toluene	0.63	U	0.63	4.70	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.1
Sample Wt/Vol:	5.49 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019872.D	1		10/11/24 15:24	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.57	U	0.57	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.54	U	0.54	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.80	U	0.80	4.70	ug/Kg
591-78-6	2-Hexanone	4.50	U	4.50	23.7	ug/Kg
124-48-1	Dibromochloromethane	0.62	U	0.62	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.75	U	0.75	4.70	ug/Kg
127-18-4	Tetrachloroethene	0.84	U	0.84	4.70	ug/Kg
108-90-7	Chlorobenzene	0.70	U	0.70	4.70	ug/Kg
100-41-4	Ethyl Benzene	0.59	U	0.59	4.70	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	9.50	ug/Kg
95-47-6	o-Xylene	0.66	U	0.66	4.70	ug/Kg
100-42-5	Styrene	0.57	U	0.57	4.70	ug/Kg
75-25-2	Bromoform	0.77	U	0.77	4.70	ug/Kg
98-82-8	Isopropylbenzene	0.63	U	0.63	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.70	U	0.70	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.76	U	0.76	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.56	U	0.56	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.75	U	0.75	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.74	U	0.74	4.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		70 (50) - 130 (163)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (58) - 130 (134)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		70 (29) - 130 (146)	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	234000	7.707			
540-36-3	1,4-Difluorobenzene	466000	8.616			
3114-55-4	Chlorobenzene-d5	405000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	149000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.1
Sample Wt/Vol:	5.49 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019872.D	1		10/11/24 15:24	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
055429-85-1	Benzeneethanamine, N-[(pentafluoro	6.50	J		13.9	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.5
Sample Wt/Vol:	4.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019873.D	1		10/11/24 15:48	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.80	U	1.80	5.30	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.30	ug/Kg
75-01-4	Vinyl Chloride	0.82	U	0.82	5.30	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.30	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.30	ug/Kg
75-69-4	Trichlorofluoromethane	0.97	U	0.97	5.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.83	U	0.83	5.30	ug/Kg
67-64-1	Acetone	6.70	U	6.70	26.7	ug/Kg
75-15-0	Carbon Disulfide	1.40	U	1.40	5.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.72	U	0.72	5.30	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	5.30	ug/Kg
75-09-2	Methylene Chloride	3.60	U	3.60	10.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.90	U	0.90	5.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.67	U	0.67	5.30	ug/Kg
110-82-7	Cyclohexane	0.74	U	0.74	5.30	ug/Kg
78-93-3	2-Butanone	6.10	U	6.10	26.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.93	U	0.93	5.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.65	U	0.65	5.30	ug/Kg
74-97-5	Bromochloromethane	2.60	U	2.60	5.30	ug/Kg
67-66-3	Chloroform	0.72	U	0.72	5.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.83	U	0.83	5.30	ug/Kg
108-87-2	Methylcyclohexane	0.93	U	0.93	5.30	ug/Kg
71-43-2	Benzene	0.77	U	0.77	5.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.65	U	0.65	5.30	ug/Kg
79-01-6	Trichloroethene	0.80	U	0.80	5.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.71	U	0.71	5.30	ug/Kg
75-27-4	Bromodichloromethane	0.60	U	0.60	5.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.60	U	4.60	26.7	ug/Kg
108-88-3	Toluene	0.72	U	0.72	5.30	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.5
Sample Wt/Vol:	4.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019873.D	1		10/11/24 15:48	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.64	U	0.64	5.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.61	U	0.61	5.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.90	U	0.90	5.30	ug/Kg
591-78-6	2-Hexanone	5.10	U	5.10	26.7	ug/Kg
124-48-1	Dibromochloromethane	0.69	U	0.69	5.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.84	U	0.84	5.30	ug/Kg
127-18-4	Tetrachloroethene	0.95	U	0.95	5.30	ug/Kg
108-90-7	Chlorobenzene	0.79	U	0.79	5.30	ug/Kg
100-41-4	Ethyl Benzene	0.66	U	0.66	5.30	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.7	ug/Kg
95-47-6	o-Xylene	0.75	U	0.75	5.30	ug/Kg
100-42-5	Styrene	0.64	U	0.64	5.30	ug/Kg
75-25-2	Bromoform	0.87	U	0.87	5.30	ug/Kg
98-82-8	Isopropylbenzene	0.72	U	0.72	5.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.79	U	0.79	5.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.85	U	0.85	5.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.63	U	0.63	5.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	5.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.84	U	0.84	5.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.83	U	0.83	5.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		70 (50) - 130 (163)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		70 (54) - 130 (147)	97%	SPK: 50
2037-26-5	Toluene-d8	49.6		70 (58) - 130 (134)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.3		70 (29) - 130 (146)	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	244000	7.713			
540-36-3	1,4-Difluorobenzene	505000	8.615			
3114-55-4	Chlorobenzene-d5	447000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	158000	13.346			

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.5
Sample Wt/Vol:	4.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019873.D	1		10/11/24 15:48	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.7
Sample Wt/Vol:	5.88 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019874.D	1		10/11/24 16:11	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.50	U	1.50	4.50	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.50	ug/Kg
75-01-4	Vinyl Chloride	0.70	U	0.70	4.50	ug/Kg
74-83-9	Bromomethane	0.93	U	0.93	4.50	ug/Kg
75-00-3	Chloroethane	0.92	U	0.92	4.50	ug/Kg
75-69-4	Trichlorofluoromethane	0.83	U	0.83	4.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.97	U	0.97	4.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.71	U	0.71	4.50	ug/Kg
67-64-1	Acetone	5.70	U	5.70	22.7	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	4.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.61	U	0.61	4.50	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	4.50	ug/Kg
75-09-2	Methylene Chloride	3.10	U	3.10	9.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.76	U	0.76	4.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.57	U	0.57	4.50	ug/Kg
110-82-7	Cyclohexane	0.63	U	0.63	4.50	ug/Kg
78-93-3	2-Butanone	5.20	U	5.20	22.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.79	U	0.79	4.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.55	U	0.55	4.50	ug/Kg
74-97-5	Bromochloromethane	2.20	U	2.20	4.50	ug/Kg
67-66-3	Chloroform	0.61	U	0.61	4.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.71	U	0.71	4.50	ug/Kg
108-87-2	Methylcyclohexane	0.79	U	0.79	4.50	ug/Kg
71-43-2	Benzene	0.65	U	0.65	4.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.55	U	0.55	4.50	ug/Kg
79-01-6	Trichloroethene	0.68	U	0.68	4.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.60	U	0.60	4.50	ug/Kg
75-27-4	Bromodichloromethane	0.51	U	0.51	4.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.90	U	3.90	22.7	ug/Kg
108-88-3	Toluene	0.61	U	0.61	4.50	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.7
Sample Wt/Vol:	5.88 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019874.D	1		10/11/24 16:11	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.54	U	0.54	4.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.52	U	0.52	4.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.76	U	0.76	4.50	ug/Kg
591-78-6	2-Hexanone	4.30	U	4.30	22.7	ug/Kg
124-48-1	Dibromochloromethane	0.59	U	0.59	4.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.72	U	0.72	4.50	ug/Kg
127-18-4	Tetrachloroethene	0.81	U	0.81	4.50	ug/Kg
108-90-7	Chlorobenzene	0.67	U	0.67	4.50	ug/Kg
100-41-4	Ethyl Benzene	0.56	U	0.56	4.50	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.10	ug/Kg
95-47-6	o-Xylene	0.64	U	0.64	4.50	ug/Kg
100-42-5	Styrene	0.54	U	0.54	4.50	ug/Kg
75-25-2	Bromoform	0.74	U	0.74	4.50	ug/Kg
98-82-8	Isopropylbenzene	0.61	U	0.61	4.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	4.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.73	U	0.73	4.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.54	U	0.54	4.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	4.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.72	U	0.72	4.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.71	U	0.71	4.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.8		70 (50) - 130 (163)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		70 (29) - 130 (146)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	254000	7.713			
540-36-3	1,4-Difluorobenzene	519000	8.616			
3114-55-4	Chlorobenzene-d5	475000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	175000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.7
Sample Wt/Vol:	5.88 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019874.D	1		10/11/24 16:11	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	8.90	J		13.9	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.6
Sample Wt/Vol:	6.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019887.D	1		10/14/24 13:21	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.40	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.40	ug/Kg
75-01-4	Vinyl Chloride	0.68	U	0.68	4.40	ug/Kg
74-83-9	Bromomethane	0.90	U	0.90	4.40	ug/Kg
75-00-3	Chloroethane	0.89	U	0.89	4.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.80	U	0.80	4.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.94	U	0.94	4.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.68	U	0.68	4.40	ug/Kg
67-64-1	Acetone	5.50	U	5.50	21.9	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	4.40	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	4.40	ug/Kg
75-09-2	Methylene Chloride	3.00	U	3.00	8.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.74	U	0.74	4.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.55	U	0.55	4.40	ug/Kg
110-82-7	Cyclohexane	0.61	U	0.61	4.40	ug/Kg
78-93-3	2-Butanone	5.00	U	5.00	21.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.76	U	0.76	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.54	U	0.54	4.40	ug/Kg
74-97-5	Bromochloromethane	2.10	U	2.10	4.40	ug/Kg
67-66-3	Chloroform	0.59	U	0.59	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.68	U	0.68	4.40	ug/Kg
108-87-2	Methylcyclohexane	0.76	U	0.76	4.40	ug/Kg
71-43-2	Benzene	0.63	U	0.63	4.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.54	U	0.54	4.40	ug/Kg
79-01-6	Trichloroethene	0.66	U	0.66	4.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.58	U	0.58	4.40	ug/Kg
75-27-4	Bromodichloromethane	0.49	U	0.49	4.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	21.9	ug/Kg
108-88-3	Toluene	0.59	U	0.59	4.40	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.6
Sample Wt/Vol:	6.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019887.D	1		10/14/24 13:21	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.74	U	0.74	4.40	ug/Kg
591-78-6	2-Hexanone	4.20	U	4.20	21.9	ug/Kg
124-48-1	Dibromochloromethane	0.57	U	0.57	4.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.69	U	0.69	4.40	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	4.40	ug/Kg
108-90-7	Chlorobenzene	0.65	U	0.65	4.40	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.40	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	8.80	ug/Kg
95-47-6	o-Xylene	0.61	U	0.61	4.40	ug/Kg
100-42-5	Styrene	0.53	U	0.53	4.40	ug/Kg
75-25-2	Bromoform	0.71	U	0.71	4.40	ug/Kg
98-82-8	Isopropylbenzene	0.59	U	0.59	4.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.96	U	0.96	4.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.65	U	0.65	4.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.70	U	0.70	4.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.52	U	0.52	4.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	4.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.69	U	0.69	4.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.68	U	0.68	4.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.0		70 (50) - 130 (163)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (54) - 130 (147)	101%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (58) - 130 (134)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.7		70 (29) - 130 (146)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	255000	7.713			
540-36-3	1,4-Difluorobenzene	522000	8.616			
3114-55-4	Chlorobenzene-d5	476000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.347			

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.6
Sample Wt/Vol:	6.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019887.D	1		10/14/24 13:21	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.8
Sample Wt/Vol:	6.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019888.D	1		10/14/24 13:45	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	3.90	ug/Kg
74-87-3	Chloromethane	0.91	U	0.91	3.90	ug/Kg
75-01-4	Vinyl Chloride	0.61	U	0.61	3.90	ug/Kg
74-83-9	Bromomethane	0.81	U	0.81	3.90	ug/Kg
75-00-3	Chloroethane	0.80	U	0.80	3.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.72	U	0.72	3.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.84	U	0.84	3.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.61	U	0.61	3.90	ug/Kg
67-64-1	Acetone	4.90	U	4.90	19.7	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	3.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.53	U	0.53	3.90	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	3.90	ug/Kg
75-09-2	Methylene Chloride	2.70	U	2.70	7.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.66	U	0.66	3.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.50	U	0.50	3.90	ug/Kg
110-82-7	Cyclohexane	0.54	U	0.54	3.90	ug/Kg
78-93-3	2-Butanone	4.50	U	4.50	19.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.69	U	0.69	3.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.48	U	0.48	3.90	ug/Kg
74-97-5	Bromochloromethane	1.90	U	1.90	3.90	ug/Kg
67-66-3	Chloroform	0.53	U	0.53	3.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.61	U	0.61	3.90	ug/Kg
108-87-2	Methylcyclohexane	0.69	U	0.69	3.90	ug/Kg
71-43-2	Benzene	0.57	U	0.57	3.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.48	U	0.48	3.90	ug/Kg
79-01-6	Trichloroethene	0.59	U	0.59	3.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.52	U	0.52	3.90	ug/Kg
75-27-4	Bromodichloromethane	0.44	U	0.44	3.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	19.7	ug/Kg
108-88-3	Toluene	0.53	U	0.53	3.90	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.8
Sample Wt/Vol:	6.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019888.D	1		10/14/24 13:45	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.47	U	0.47	3.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	3.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.66	U	0.66	3.90	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	19.7	ug/Kg
124-48-1	Dibromochloromethane	0.51	U	0.51	3.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.62	U	0.62	3.90	ug/Kg
127-18-4	Tetrachloroethene	0.70	U	0.70	3.90	ug/Kg
108-90-7	Chlorobenzene	0.58	U	0.58	3.90	ug/Kg
100-41-4	Ethyl Benzene	0.49	U	0.49	3.90	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	7.90	ug/Kg
95-47-6	o-Xylene	0.55	U	0.55	3.90	ug/Kg
100-42-5	Styrene	0.47	U	0.47	3.90	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.90	ug/Kg
98-82-8	Isopropylbenzene	0.53	U	0.53	3.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.87	U	0.87	3.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.58	U	0.58	3.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.63	U	0.63	3.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.46	U	0.46	3.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	U	1.20	3.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.62	U	0.62	3.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.61	U	0.61	3.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.8		70 (50) - 130 (163)	118%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	50.3		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		70 (29) - 130 (146)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	247000	7.707			
540-36-3	1,4-Difluorobenzene	513000	8.616			
3114-55-4	Chlorobenzene-d5	465000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	169000	13.346			

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-13	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.8
Sample Wt/Vol:	6.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019888.D	1		10/14/24 13:45	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.4
Sample Wt/Vol:	5.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019877.D	1		10/11/24 17:21	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.50	U	1.50	4.40	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.40	ug/Kg
75-01-4	Vinyl Chloride	0.68	U	0.68	4.40	ug/Kg
74-83-9	Bromomethane	0.91	U	0.91	4.40	ug/Kg
75-00-3	Chloroethane	0.89	U	0.89	4.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.81	U	0.81	4.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.95	U	0.95	4.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.69	U	0.69	4.40	ug/Kg
67-64-1	Acetone	5.50	U	5.50	22.1	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	4.40	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	4.40	ug/Kg
75-09-2	Methylene Chloride	3.00	U	3.00	8.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.74	U	0.74	4.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.56	U	0.56	4.40	ug/Kg
110-82-7	Cyclohexane	0.61	U	0.61	4.40	ug/Kg
78-93-3	2-Butanone	5.00	U	5.00	22.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.77	U	0.77	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.54	U	0.54	4.40	ug/Kg
74-97-5	Bromochloromethane	2.10	U	2.10	4.40	ug/Kg
67-66-3	Chloroform	0.59	U	0.59	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.69	U	0.69	4.40	ug/Kg
108-87-2	Methylcyclohexane	0.77	U	0.77	4.40	ug/Kg
71-43-2	Benzene	0.64	U	0.64	4.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.54	U	0.54	4.40	ug/Kg
79-01-6	Trichloroethene	0.66	U	0.66	4.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.58	U	0.58	4.40	ug/Kg
75-27-4	Bromodichloromethane	0.50	U	0.50	4.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.90	U	3.90	22.1	ug/Kg
108-88-3	Toluene	0.59	U	0.59	4.40	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.4
Sample Wt/Vol:	5.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019877.D	1		10/11/24 17:21	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.74	U	0.74	4.40	ug/Kg
591-78-6	2-Hexanone	4.20	U	4.20	22.1	ug/Kg
124-48-1	Dibromochloromethane	0.58	U	0.58	4.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.70	U	0.70	4.40	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	4.40	ug/Kg
108-90-7	Chlorobenzene	0.66	U	0.66	4.40	ug/Kg
100-41-4	Ethyl Benzene	0.55	U	0.55	4.40	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	8.90	ug/Kg
95-47-6	o-Xylene	0.62	U	0.62	4.40	ug/Kg
100-42-5	Styrene	0.53	U	0.53	4.40	ug/Kg
75-25-2	Bromoform	0.72	U	0.72	4.40	ug/Kg
98-82-8	Isopropylbenzene	0.59	U	0.59	4.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.97	4.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.66	U	0.66	4.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.71	U	0.71	4.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.52	U	0.52	4.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	4.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.70	U	0.70	4.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.69	U	0.69	4.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.3		70 (50) - 130 (163)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		70 (54) - 130 (147)	99%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (58) - 130 (134)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.8		70 (29) - 130 (146)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	248000	7.713			
540-36-3	1,4-Difluorobenzene	497000	8.616			
3114-55-4	Chlorobenzene-d5	438000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	154000	13.346			

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-15	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.4
Sample Wt/Vol:	5.98 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019877.D	1		10/11/24 17:21	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.4
Sample Wt/Vol:	6.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019878.D	1		10/11/24 17:45	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.30	ug/Kg
74-87-3	Chloromethane	0.99	U	0.99	4.30	ug/Kg
75-01-4	Vinyl Chloride	0.66	U	0.66	4.30	ug/Kg
74-83-9	Bromomethane	0.88	U	0.88	4.30	ug/Kg
75-00-3	Chloroethane	0.86	U	0.86	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	0.78	U	0.78	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.92	U	0.92	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.67	U	0.67	4.30	ug/Kg
67-64-1	Acetone	5.30	U	5.30	21.4	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.57	U	0.57	4.30	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.30	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.72	U	0.72	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.54	U	0.54	4.30	ug/Kg
110-82-7	Cyclohexane	0.59	U	0.59	4.30	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	21.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.74	U	0.74	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.52	U	0.52	4.30	ug/Kg
74-97-5	Bromochloromethane	2.10	U	2.10	4.30	ug/Kg
67-66-3	Chloroform	0.57	U	0.57	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.67	U	0.67	4.30	ug/Kg
108-87-2	Methylcyclohexane	0.74	U	0.74	4.30	ug/Kg
71-43-2	Benzene	0.62	U	0.62	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.52	U	0.52	4.30	ug/Kg
79-01-6	Trichloroethene	0.64	U	0.64	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.56	U	0.56	4.30	ug/Kg
75-27-4	Bromodichloromethane	0.48	U	0.48	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.70	U	3.70	21.4	ug/Kg
108-88-3	Toluene	0.57	U	0.57	4.30	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.4
Sample Wt/Vol:	6.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019878.D	1		10/11/24 17:45	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.51	U	0.51	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.49	U	0.49	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.72	U	0.72	4.30	ug/Kg
591-78-6	2-Hexanone	4.10	U	4.10	21.4	ug/Kg
124-48-1	Dibromochloromethane	0.56	U	0.56	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.68	U	0.68	4.30	ug/Kg
127-18-4	Tetrachloroethene	0.76	U	0.76	4.30	ug/Kg
108-90-7	Chlorobenzene	0.63	U	0.63	4.30	ug/Kg
100-41-4	Ethyl Benzene	0.53	U	0.53	4.30	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	8.60	ug/Kg
95-47-6	o-Xylene	0.60	U	0.60	4.30	ug/Kg
100-42-5	Styrene	0.51	U	0.51	4.30	ug/Kg
75-25-2	Bromoform	0.69	U	0.69	4.30	ug/Kg
98-82-8	Isopropylbenzene	0.57	U	0.57	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.94	U	0.94	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.63	U	0.63	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.68	U	0.68	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.68	U	0.68	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.67	U	0.67	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.7		70 (50) - 130 (163)	119%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (58) - 130 (134)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.0		70 (29) - 130 (146)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	254000	7.707			
540-36-3	1,4-Difluorobenzene	531000	8.616			
3114-55-4	Chlorobenzene-d5	486000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	182000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-17	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.4
Sample Wt/Vol:	6.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019878.D	1		10/11/24 17:45	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
005989-27-5	D-Limonene	6.10	J		13.3	ug/Kg
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	9.90	J		13.9	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.7
Sample Wt/Vol:	5.46 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019879.D	1		10/11/24 18:08	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	4.90	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.90	ug/Kg
75-01-4	Vinyl Chloride	0.75	U	0.75	4.90	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.90	ug/Kg
75-00-3	Chloroethane	0.99	U	0.99	4.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.89	U	0.89	4.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.76	U	0.76	4.90	ug/Kg
67-64-1	Acetone	6.10	U	6.10	24.4	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	4.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.65	U	0.65	4.90	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	4.90	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	4.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.62	U	0.62	4.90	ug/Kg
110-82-7	Cyclohexane	0.67	U	0.67	4.90	ug/Kg
78-93-3	2-Butanone	5.60	U	5.60	24.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.85	U	0.85	4.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.60	U	0.60	4.90	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	4.90	ug/Kg
67-66-3	Chloroform	0.65	U	0.65	4.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.76	U	0.76	4.90	ug/Kg
108-87-2	Methylcyclohexane	0.85	U	0.85	4.90	ug/Kg
71-43-2	Benzene	0.70	U	0.70	4.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.60	U	0.60	4.90	ug/Kg
79-01-6	Trichloroethene	0.73	U	0.73	4.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.65	U	0.65	4.90	ug/Kg
75-27-4	Bromodichloromethane	0.55	U	0.55	4.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.30	U	4.30	24.4	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.90	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.7
Sample Wt/Vol:	5.46 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019879.D	1		10/11/24 18:08	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	4.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	4.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.82	U	0.82	4.90	ug/Kg
591-78-6	2-Hexanone	4.70	U	4.70	24.4	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	4.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.77	U	0.77	4.90	ug/Kg
127-18-4	Tetrachloroethene	0.87	U	0.87	4.90	ug/Kg
108-90-7	Chlorobenzene	0.72	U	0.72	4.90	ug/Kg
100-41-4	Ethyl Benzene	0.61	U	0.61	4.90	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	9.80	ug/Kg
95-47-6	o-Xylene	0.68	U	0.68	4.90	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.90	ug/Kg
75-25-2	Bromoform	0.79	U	0.79	4.90	ug/Kg
98-82-8	Isopropylbenzene	0.65	U	0.65	4.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.72	U	0.72	4.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.78	U	0.78	4.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.58	U	0.58	4.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.77	U	0.77	4.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.76	U	0.76	4.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.3		70 (50) - 130 (163)	119%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (54) - 130 (147)	101%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.5		70 (29) - 130 (146)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	251000	7.713			
540-36-3	1,4-Difluorobenzene	514000	8.615			
3114-55-4	Chlorobenzene-d5	468000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.346			

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.7
Sample Wt/Vol:	5.46 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019879.D	1		10/11/24 18:08	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4385-01	SP-1	1,2-Dichloroethane-d4	50	56.0	112	70 (50)	130 (163)
		Dibromofluoromethane	50	49.4	99	70 (54)	130 (147)
		Toluene-d8	50	50.3	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	42.9	86	70 (29)	130 (146)
P4385-03	SP-2	1,2-Dichloroethane-d4	50	55.7	111	70 (50)	130 (163)
		Dibromofluoromethane	50	49.3	99	70 (54)	130 (147)
		Toluene-d8	50	49.7	99	70 (58)	130 (134)
		4-Bromofluorobenzene	50	42.0	84	70 (29)	130 (146)
P4385-05	SP-3	1,2-Dichloroethane-d4	50	55.0	110	70 (50)	130 (163)
		Dibromofluoromethane	50	49.0	98	70 (54)	130 (147)
		Toluene-d8	50	50.0	100	70 (58)	130 (134)
		4-Bromofluorobenzene	50	41.7	83	70 (29)	130 (146)
P4385-07	SP-4	1,2-Dichloroethane-d4	50	52.7	105	70 (50)	130 (163)
		Dibromofluoromethane	50	48.4	97	70 (54)	130 (147)
		Toluene-d8	50	49.5	99	70 (58)	130 (134)
		4-Bromofluorobenzene	50	41.3	83	70 (29)	130 (146)
P4385-09	SP-5	1,2-Dichloroethane-d4	50	56.8	114	70 (50)	130 (163)
		Dibromofluoromethane	50	49.9	100	70 (54)	130 (147)
		Toluene-d8	50	50.5	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	44.3	88	70 (29)	130 (146)
P4385-11	SP-6	1,2-Dichloroethane-d4	50	57.0	114	70 (50)	130 (163)
		Dibromofluoromethane	50	50.3	101	70 (54)	130 (147)
		Toluene-d8	50	50.2	100	70 (58)	130 (134)
		4-Bromofluorobenzene	50	43.7	87	70 (29)	130 (146)
P4385-13	SP-7	1,2-Dichloroethane-d4	50	58.8	118	70 (50)	130 (163)
		Dibromofluoromethane	50	50.1	100	70 (54)	130 (147)
		Toluene-d8	50	50.3	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	43.4	87	70 (29)	130 (146)
P4385-15	SP-8	1,2-Dichloroethane-d4	50	54.3	109	70 (50)	130 (163)
		Dibromofluoromethane	50	49.7	99	70 (54)	130 (147)
		Toluene-d8	50	49.3	99	70 (58)	130 (134)
		4-Bromofluorobenzene	50	41.8	84	70 (29)	130 (146)
P4385-17	SP-9	1,2-Dichloroethane-d4	50	59.6	119	70 (50)	130 (163)
		Dibromofluoromethane	50	50.0	100	70 (54)	130 (147)
		Toluene-d8	50	50.0	100	70 (58)	130 (134)
		4-Bromofluorobenzene	50	44.0	88	70 (29)	130 (146)
P4385-19	SP-10	1,2-Dichloroethane-d4	50	59.3	119	70 (50)	130 (163)
		Dibromofluoromethane	50	50.3	101	70 (54)	130 (147)
		Toluene-d8	50	50.5	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	43.5	87	70 (29)	130 (146)
VY1011SBL01	VY1011SBL01	1,2-Dichloroethane-d4	50	51.9	104	70 (50)	130 (163)
		Dibromofluoromethane	50	48.4	97	70 (54)	130 (147)
		Toluene-d8	50	49.5	99	70 (58)	130 (134)
		4-Bromofluorobenzene	50	40.9	82	70 (29)	130 (146)
VY1011SBS01	VY1011SBS01	1,2-Dichloroethane-d4	50	48.8	98	70 (50)	130 (163)
		Dibromofluoromethane	50	48.8	98	70 (54)	130 (147)
		Toluene-d8	50	48.8	98	70 (58)	130 (134)
		4-Bromofluorobenzene	50	47.5	95	70 (29)	130 (146)
VY1011SBSD01	VY1011SBSD01	1,2-Dichloroethane-d4	50	52.3	105	70 (50)	130 (163)
		Dibromofluoromethane	50	52.2	104	70 (54)	130 (147)

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VY1011SBSD01	VY1011SBSD01	Toluene-d8	50	51.5	103	70 (58)	130 (134)
		4-Bromofluorobenzene	50	50.8	102	70 (29)	130 (146)
VY1014SBL01	VY1014SBL01	1,2-Dichloroethane-d4	50	52.0	104	70 (50)	130 (163)
		Dibromofluoromethane	50	48.9	98	70 (54)	130 (147)
		Toluene-d8	50	50.2	100	70 (58)	130 (134)
		4-Bromofluorobenzene	50	40.3	81	70 (29)	130 (146)
VY1014SBS01	VY1014SBS01	1,2-Dichloroethane-d4	50	55.1	110	70 (50)	130 (163)
		Dibromofluoromethane	50	55.0	110	70 (54)	130 (147)
		Toluene-d8	50	52.7	105	70 (58)	130 (134)
		4-Bromofluorobenzene	50	53.3	107	70 (29)	130 (146)

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8260D **Datafile :** VY019864.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1011SBS01	Dichlorodifluoromethane	20	18.8	ug/Kg	94			40 (64)	160 (136)	
	Chloromethane	20	20.0	ug/Kg	100			40 (70)	160 (130)	
	Vinyl chloride	20	19.2	ug/Kg	96			70 (72)	130 (129)	
	Bromomethane	20	19.9	ug/Kg	100			40 (58)	160 (141)	
	Chloroethane	20	19.4	ug/Kg	97			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.7	ug/Kg	99			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.2	ug/Kg	96			70 (79)	130 (121)	
	Acetone	100	100	ug/Kg	100			40 (60)	160 (131)	
	Carbon disulfide	20	17.6	ug/Kg	88			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.3	ug/Kg	97			70 (77)	130 (129)	
	Methyl Acetate	20	19.6	ug/Kg	98			70 (69)	130 (149)	
	Methylene Chloride	20	20.5	ug/Kg	103			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	18.9	ug/Kg	95			70 (80)	130 (123)	
	1,1-Dichloroethane	20	19.8	ug/Kg	99			70 (82)	130 (123)	
	Cyclohexane	20	18.5	ug/Kg	93			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.7	ug/Kg	99			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.1	ug/Kg	96			70 (82)	130 (123)	
	Bromochloromethane	20	19.9	ug/Kg	100			70 (80)	130 (127)	
	Chloroform	20	20.4	ug/Kg	102			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.7	ug/Kg	99			70 (80)	130 (126)	
	Methylcyclohexane	20	18.4	ug/Kg	92			70 (77)	130 (123)	
	Benzene	20	19.7	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.5	ug/Kg	98			70 (81)	130 (126)	
	Trichloroethene	20	19.3	ug/Kg	97			70 (83)	130 (122)	
	1,2-Dichloropropane	20	19.8	ug/Kg	99			70 (83)	130 (122)	
	Bromodichloromethane	20	20.1	ug/Kg	101			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	98.5	ug/Kg	99			40 (70)	160 (135)	
	Toluene	20	19.7	ug/Kg	99			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	18.6	ug/Kg	93			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.2	ug/Kg	96			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.1	ug/Kg	101			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	18.9	ug/Kg	95			70 (79)	130 (125)	
	1,2-Dibromoethane	20	19.5	ug/Kg	98			70 (80)	130 (125)	
	Tetrachloroethene	20	19.1	ug/Kg	96			70 (83)	130 (125)	
	Chlorobenzene	20	19.4	ug/Kg	97			70 (84)	130 (122)	
	Ethyl Benzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	m/p-Xylenes	40	38.5	ug/Kg	96			70 (83)	130 (124)	
	o-Xylene	20	19.3	ug/Kg	97			70 (83)	130 (123)	
	Styrene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	18.9	ug/Kg	95			70 (75)	130 (127)	
	Isopropylbenzene	20	19.6	ug/Kg	98			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	20.0	ug/Kg	100			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.6	ug/Kg	98			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.3	ug/Kg	97			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8260D **Datafile :** VY019864.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1011SBS01	1,2-Dibromo-3-Chloropropane	20	18.6	ug/Kg	93			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.7	ug/Kg	94			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8260D **Datafile :** VY019865.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1011SBSD01	Dichlorodifluoromethane	20	19.6	ug/Kg	98	4		40 (64)	160 (136)	30 (20)
	Chloromethane	20	20.0	ug/Kg	100	0		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	19.7	ug/Kg	99	3		70 (72)	130 (129)	30 (20)
	Bromomethane	20	20.3	ug/Kg	102	2		40 (58)	160 (141)	30 (20)
	Chloroethane	20	19.7	ug/Kg	99	2		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	20.0	ug/Kg	100	1		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.1	ug/Kg	101	1		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	19.5	ug/Kg	98	2		70 (79)	130 (121)	30 (20)
	Acetone	100	110	ug/Kg	110	10		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	17.9	ug/Kg	90	2		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	20.6	ug/Kg	103	6		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	21.0	ug/Kg	105	7		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	22.0	ug/Kg	110	7		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	19.5	ug/Kg	98	3		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.9	ug/Kg	104	5		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.0	ug/Kg	95	2		70 (76)	130 (122)	30 (20)
	2-Butanone	100	110	ug/Kg	110	10		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	19.4	ug/Kg	97	2		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100	4		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	22.0	ug/Kg	110	10		70 (80)	130 (127)	30 (20)
	Chloroform	20	20.8	ug/Kg	104	2		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.0	ug/Kg	100	1		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	18.7	ug/Kg	94	2		70 (77)	130 (123)	30 (20)
	Benzene	20	20.0	ug/Kg	100	1		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.5	ug/Kg	103	5		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	19.1	ug/Kg	96	1		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.1	ug/Kg	101	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.7	ug/Kg	104	3		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	11		40 (70)	160 (135)	30 (20)
	Toluene	20	20.0	ug/Kg	100	1		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97	4		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	19.7	ug/Kg	99	3		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	21.1	ug/Kg	106	5		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	10		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	19.9	ug/Kg	100	5		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	19.6	ug/Kg	98	0		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	19.3	ug/Kg	97	1		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.4	ug/Kg	102	5		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.4	ug/Kg	102	3		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	40.1	ug/Kg	100	4		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.4	ug/Kg	102	5		70 (83)	130 (123)	30 (20)
	Styrene	20	20.2	ug/Kg	101	2		70 (82)	130 (124)	30 (20)
	Bromoform	20	20.4	ug/Kg	102	7		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	19.9	ug/Kg	100	2		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	21.3	ug/Kg	106	6		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	19.8	ug/Kg	99	1		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.2	ug/Kg	101	3		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100	3		70 (83)	130 (124)	30 (20)

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8260D **Datafile :** VY019865.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1011SBSD01	1,2-Dibromo-3-Chloropropane	20	21.3	ug/Kg	106	13		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	19.4	ug/Kg	97	3		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	19.1	ug/Kg	96	1		70 (70)	130 (137)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8260D **Datafile :** VY019884.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1014SBS01	Dichlorodifluoromethane	20	18.0	ug/Kg	90			40 (64)	160 (136)	
	Chloromethane	20	19.8	ug/Kg	99			40 (70)	160 (130)	
	Vinyl chloride	20	19.1	ug/Kg	96			70 (72)	130 (129)	
	Bromomethane	20	19.6	ug/Kg	98			40 (58)	160 (141)	
	Chloroethane	20	19.1	ug/Kg	96			40 (69)	160 (130)	
	Trichlorofluoromethane	20	18.9	ug/Kg	95			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/Kg	99			70 (81)	130 (123)	
	1,1-Dichloroethene	20	18.0	ug/Kg	90			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (60)	160 (131)	
	Carbon disulfide	20	15.6	ug/Kg	78			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102			70 (77)	130 (129)	
	Methyl Acetate	20	22.5	ug/Kg	113			70 (69)	130 (149)	
	Methylene Chloride	20	21.5	ug/Kg	108			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	18.7	ug/Kg	94			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.7	ug/Kg	104			70 (82)	130 (123)	
	Cyclohexane	20	18.0	ug/Kg	90			70 (76)	130 (122)	
	2-Butanone	100	110	ug/Kg	110			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.4	ug/Kg	97			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103			70 (82)	130 (123)	
	Bromochloromethane	20	22.5	ug/Kg	113			70 (80)	130 (127)	
	Chloroform	20	21.0	ug/Kg	105			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.7	ug/Kg	99			70 (80)	130 (126)	
	Methylcyclohexane	20	17.5	ug/Kg	88			70 (77)	130 (123)	
	Benzene	20	19.7	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.8	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	19.1	ug/Kg	96			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.5	ug/Kg	103			70 (83)	130 (122)	
	Bromodichloromethane	20	20.6	ug/Kg	103			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.6	ug/Kg	98			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.4	ug/Kg	102			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	20.0	ug/Kg	100			70 (79)	130 (125)	
	1,2-Dibromoethane	20	19.2	ug/Kg	96			70 (80)	130 (125)	
	Tetrachloroethene	20	17.8	ug/Kg	89			70 (83)	130 (125)	
	Chlorobenzene	20	19.6	ug/Kg	98			70 (84)	130 (122)	
	Ethyl Benzene	20	19.4	ug/Kg	97			70 (82)	130 (124)	
	m/p-Xylenes	40	38.2	ug/Kg	96			70 (83)	130 (124)	
	o-Xylene	20	19.4	ug/Kg	97			70 (83)	130 (123)	
	Styrene	20	19.9	ug/Kg	100			70 (82)	130 (124)	
	Bromoform	20	20.0	ug/Kg	100			70 (75)	130 (127)	
	Isopropylbenzene	20	19.0	ug/Kg	95			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	21.3	ug/Kg	106			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.4	ug/Kg	97			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.9	ug/Kg	100			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8260D **Datafile :** VY019884.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1014SBS01	1,2-Dibromo-3-Chloropropane	20	19.7	ug/Kg	99			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.4	ug/Kg	92			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.1	ug/Kg	91			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1011SBL01

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

Lab File ID: VY019863.D Lab Sample ID: VY1011SBL01

Date Analyzed: 10/11/2024 Time Analyzed: 10:42

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1011SBS01	VY1011SBS01	VY019864.D	10/11/2024
VY1011SBSD01	VY1011SBSD01	VY019865.D	10/11/2024
SP-1	P4385-01	VY019870.D	10/11/2024
SP-2	P4385-03	VY019871.D	10/11/2024
SP-3	P4385-05	VY019872.D	10/11/2024
SP-4	P4385-07	VY019873.D	10/11/2024
SP-5	P4385-09	VY019874.D	10/11/2024
SP-8	P4385-15	VY019877.D	10/11/2024
SP-9	P4385-17	VY019878.D	10/11/2024
SP-10	P4385-19	VY019879.D	10/11/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1014SBL01

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

Lab File ID: VY019883.D Lab Sample ID: VY1014SBL01

Date Analyzed: 10/14/2024 Time Analyzed: 10:31

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1014SBS01	VY1014SBS01	VY019884.D	10/14/2024
SP-6	P4385-11	VY019887.D	10/14/2024
SP-7	P4385-13	VY019888.D	10/14/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

Lab File ID: VY019826.D BFB Injection Date: 10/09/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:33

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.4
75	30.0 - 60.0% of mass 95	56
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	76.9
175	5.0 - 9.0% of mass 174	5.6 (7.3) 1
176	95.0 - 101.0% of mass 174	73.9 (96.2) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY019827.D	10/09/2024	10:18
VSTDICC010	VSTDICC010	VY019828.D	10/09/2024	10:41
VSTDICC020	VSTDICC020	VY019829.D	10/09/2024	11:04
VSTDICCC050	VSTDICCC050	VY019830.D	10/09/2024	11:26
VSTDICC100	VSTDICC100	VY019831.D	10/09/2024	11:49
VSTDICC150	VSTDICC150	VY019832.D	10/09/2024	12:11

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

Lab File ID: VY019861.D BFB Injection Date: 10/11/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:22

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.2
75	30.0 - 60.0% of mass 95	55.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	72.2 (97.1) 1
177	5.0 - 9.0% of mass 176	4.7 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY019862.D	10/11/2024	10:11
VY1011SBL01	VY1011SBL01	VY019863.D	10/11/2024	10:42
VY1011SBS01	VY1011SBS01	VY019864.D	10/11/2024	11:14
VY1011SBSD01	VY1011SBSD01	VY019865.D	10/11/2024	11:37
SP-1	P4385-01	VY019870.D	10/11/2024	14:37
SP-2	P4385-03	VY019871.D	10/11/2024	15:01
SP-3	P4385-05	VY019872.D	10/11/2024	15:24
SP-4	P4385-07	VY019873.D	10/11/2024	15:48
SP-5	P4385-09	VY019874.D	10/11/2024	16:11
SP-8	P4385-15	VY019877.D	10/11/2024	17:21
SP-9	P4385-17	VY019878.D	10/11/2024	17:45
SP-10	P4385-19	VY019879.D	10/11/2024	18:08

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

Lab File ID: VY019881.D BFB Injection Date: 10/14/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:19

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.1
75	30.0 - 60.0% of mass 95	55.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	76.1
175	5.0 - 9.0% of mass 174	5.6 (7.3) 1
176	95.0 - 101.0% of mass 174	72.7 (95.5) 1
177	5.0 - 9.0% of mass 176	4.9 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY019882.D	10/14/2024	09:52
VY1014SBL01	VY1014SBL01	VY019883.D	10/14/2024	10:31
VY1014SBS01	VY1014SBS01	VY019884.D	10/14/2024	11:56
SP-6	P4385-11	VY019887.D	10/14/2024	13:21
SP-7	P4385-13	VY019888.D	10/14/2024	13:45

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

Lab File ID: VY019862.D Date Analyzed: 10/11/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:11

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	363226	7.71	627324	8.62	533709	11.42
UPPER LIMIT	726452	8.213	1254650	9.122	1067420	11.92
LOWER LIMIT	181613	7.213	313662	8.122	266855	10.92
EPA SAMPLE NO.						
SP-1	262732	7.71	539484	8.62	489774	11.41
SP-2	268677	7.71	543592	8.62	485475	11.41
SP-3	233935	7.71	466040	8.62	405476	11.41
SP-4	244456	7.71	504549	8.62	447198	11.41
SP-5	253962	7.71	518599	8.62	474536	11.41
SP-8	248032	7.71	496793	8.62	438194	11.41
SP-9	253892	7.71	530815	8.62	485576	11.41
SP-10	251214	7.71	513613	8.62	467887	11.41
VY1011SBL01	302283	7.71	606631	8.62	532786	11.41
VY1011SBS01	341955	7.71	599010	8.62	509876	11.41
VY1011SBSD01	317435	7.71	562573	8.62	470630	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

Lab File ID: VY019862.D Date Analyzed: 10/11/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:11

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	247612	13.346				
UPPER LIMIT	495224	13.846				
LOWER LIMIT	123806	12.846				
EPA SAMPLE NO.						
SP-1	182418	13.35				
SP-2	173582	13.35				
SP-3	148777	13.35				
SP-4	157772	13.35				
SP-5	175004	13.35				
SP-8	154054	13.35				
SP-9	181975	13.35				
SP-10	170163	13.35				
VY1011SBL01	181683	13.35				
VY1011SBS01	243672	13.35				
VY1011SBSD01	227990	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

Lab File ID: VY019882.D Date Analyzed: 10/14/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:52

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	286716	7.71	498763	8.62	439404	11.41
UPPER LIMIT	573432	8.207	997526	9.116	878808	11.914
LOWER LIMIT	143358	7.207	249382	8.116	219702	10.914
EPA SAMPLE NO.						
SP-6	255373	7.71	522145	8.62	475654	11.41
SP-7	246979	7.71	513227	8.62	465047	11.41
VY1014SBL01	272092	7.71	541333	8.62	470368	11.41
VY1014SBS01	286988	7.71	511012	8.62	442973	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

Lab File ID: VY019882.D Date Analyzed: 10/14/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:52

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	212252	13.347				
UPPER LIMIT	424504	13.847				
LOWER LIMIT	106126	12.847				
EPA SAMPLE NO.						
SP-6	169983	13.35				
SP-7	168651	13.35				
VY1014SBL01	156619	13.35				
VY1014SBS01	215154	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1011SBL01	SDG No.:	P4385
Lab Sample ID:	VY1011SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019863.D	1		10/11/24 10:42	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1011SBL01	SDG No.:	P4385
Lab Sample ID:	VY1011SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019863.D	1		10/11/24 10:42	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.9		70 (50) - 130 (163)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		70 (54) - 130 (147)	97%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (58) - 130 (134)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.9		70 (29) - 130 (146)	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	302000	7.713			
540-36-3	1,4-Difluorobenzene	607000	8.622			
3114-55-4	Chlorobenzene-d5	533000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	182000	13.346			

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1011SBL01	SDG No.:	P4385
Lab Sample ID:	VY1011SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019863.D	1		10/11/24 10:42	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1014SBL01	SDG No.:	P4385
Lab Sample ID:	VY1014SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019883.D	1		10/14/24 10:31	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1014SBL01	SDG No.:	P4385
Lab Sample ID:	VY1014SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019883.D	1		10/14/24 10:31	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		70 (50) - 130 (163)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (58) - 130 (134)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.3		70 (29) - 130 (146)	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	272000	7.713			
540-36-3	1,4-Difluorobenzene	541000	8.616			
3114-55-4	Chlorobenzene-d5	470000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.346			

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1014SBL01	SDG No.:	P4385
Lab Sample ID:	VY1014SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019883.D	1		10/14/24 10:31	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1011SBS01	SDG No.:	P4385
Lab Sample ID:	VY1011SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019864.D	1		10/11/24 11:14	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.8		1.70	5.00	ug/Kg
74-87-3	Chloromethane	20.0		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.2		0.77	5.00	ug/Kg
74-83-9	Bromomethane	19.9		1.00	5.00	ug/Kg
75-00-3	Chloroethane	19.4		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.7		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.2		0.78	5.00	ug/Kg
67-64-1	Acetone	100		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.6		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.3		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	19.6		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.5		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.9		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.8		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.5		0.69	5.00	ug/Kg
78-93-3	2-Butanone	100		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.7		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.1		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.9		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.4		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.7		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.4		0.87	5.00	ug/Kg
71-43-2	Benzene	19.7		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.5		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.3		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.8		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.1		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	98.5		4.40	25.0	ug/Kg
108-88-3	Toluene	19.7		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1011SBS01	SDG No.:	P4385
Lab Sample ID:	VY1011SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019864.D	1		10/11/24 11:14	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.6		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.2		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.1		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	100		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	18.9		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.5		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.1		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.4		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.5		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.3		0.70	5.00	ug/Kg
100-42-5	Styrene	19.8		0.60	5.00	ug/Kg
75-25-2	Bromoform	18.9		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.6		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.0		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.6		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.3		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.6		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.7		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.0		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.8		70 (50) - 130 (163)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (58) - 130 (134)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		70 (29) - 130 (146)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	342000	7.713			
540-36-3	1,4-Difluorobenzene	599000	8.615			
3114-55-4	Chlorobenzene-d5	510000	11.413			
3855-82-1	1,4-Dichlorobenzene-d4	244000	13.346			

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1011SBS01	SDG No.:	P4385
Lab Sample ID:	VY1011SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019864.D	1		10/11/24 11:14	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1014SBS01	SDG No.:	P4385
Lab Sample ID:	VY1014SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019884.D	1		10/14/24 11:56	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.0		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.8		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.1		0.77	5.00	ug/Kg
74-83-9	Bromomethane	19.6		1.00	5.00	ug/Kg
75-00-3	Chloroethane	19.1		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.9		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.0		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	15.6		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.3		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.5		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	21.5		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.7		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.7		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.0		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.4		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.6		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	22.5		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.7		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.5		0.87	5.00	ug/Kg
71-43-2	Benzene	19.7		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.8		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.1		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.6		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	20.0		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1014SBS01	SDG No.:	P4385
Lab Sample ID:	VY1014SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019884.D	1		10/14/24 11:56	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.6		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.6		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.4		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.0		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.2		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	17.8		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.6		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.4		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.2		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.4		0.70	5.00	ug/Kg
100-42-5	Styrene	19.9		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.0		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.0		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.3		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.4		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.9		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.7		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.4		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.1		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		70 (50) - 130 (163)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	55.0		70 (54) - 130 (147)	110%	SPK: 50
2037-26-5	Toluene-d8	52.7		70 (58) - 130 (134)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		70 (29) - 130 (146)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	287000	7.713			
540-36-3	1,4-Difluorobenzene	511000	8.616			
3114-55-4	Chlorobenzene-d5	443000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	215000	13.346			

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1014SBS01	SDG No.:	P4385
Lab Sample ID:	VY1014SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019884.D	1		10/14/24 11:56	VY101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1011SBSD01	SDG No.:	P4385
Lab Sample ID:	VY1011SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019865.D	1		10/11/24 11:37	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.6		1.70	5.00	ug/Kg
74-87-3	Chloromethane	20.0		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.7		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.3		1.00	5.00	ug/Kg
75-00-3	Chloroethane	19.7		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.0		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.1		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.5		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.9		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.6		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	21.0		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	22.0		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.5		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.9		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	19.0		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.4		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.9		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	22.0		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.8		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.0		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.7		0.87	5.00	ug/Kg
71-43-2	Benzene	20.0		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.5		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.1		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.1		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	20.0		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1011SBSD01	SDG No.:	P4385
Lab Sample ID:	VY1011SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019865.D	1		10/11/24 11:37	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.4		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.7		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.1		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.6		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.3		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.4		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.4		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.1		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.4		0.70	5.00	ug/Kg
100-42-5	Styrene	20.2		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.4		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.9		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.3		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.2		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.0		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.3		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.4		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.1		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		70 (50) - 130 (163)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (54) - 130 (147)	104%	SPK: 50
2037-26-5	Toluene-d8	51.5		70 (58) - 130 (134)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		70 (29) - 130 (146)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	317000	7.707			
540-36-3	1,4-Difluorobenzene	563000	8.616			
3114-55-4	Chlorobenzene-d5	471000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	228000	13.346			

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	VY1011SBSD01	SDG No.:	P4385
Lab Sample ID:	VY1011SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019865.D	1		10/11/24 11:37	VY101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: MSVOA_Y Calibration Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:18 12:11

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY019827.D RRF010 = VY019828.D RRF020 = VY019829.D
RRF050 = VY019830.D RRF100 = VY019831.D RRF150 = VY019832.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.500	0.498	0.410	0.458	0.434	0.492	0.465	8.1
Chloromethane	0.643	0.637	0.517	0.616	0.550	0.671	0.606	9.8
Vinyl Chloride	0.707	0.685	0.579	0.688	0.624	0.716	0.667	8
Bromomethane	0.458	0.447	0.357	0.433	0.390	0.447	0.422	9.4
Chloroethane	0.493	0.469	0.390	0.456	0.408	0.472	0.448	8.9
Trichlorofluoromethane	1.101	1.016	0.868	1.000	0.915	1.051	0.992	8.7
1,1,2-Trichlorotrifluoroethane	0.619	0.611	0.509	0.581	0.535	0.606	0.577	7.8
1,1-Dichloroethene	0.588	0.558	0.453	0.550	0.499	0.570	0.536	9.4
Acetone	0.196	0.156	0.134	0.170	0.152	0.153	0.160	12.9
Carbon Disulfide	1.501	1.392	1.193	1.552	1.404	1.586	1.438	10
Methyl tert-butyl Ether	1.719	1.559	1.334	1.574	1.443	1.617	1.541	8.8
Methyl Acetate	0.393	0.334	0.301	0.350	0.321	0.372	0.345	9.7
Methylene Chloride	0.869	0.695	0.551	0.619	0.543	0.603	0.647	18.9
trans-1,2-Dichloroethene	0.630	0.597	0.511	0.605	0.547	0.612	0.584	7.7
1,1-Dichloroethane	1.288	1.219	1.025	1.202	1.084	1.214	1.172	8.3
Cyclohexane	1.262	1.098	0.863	1.009	0.915	1.024	1.029	13.8
2-Butanone	0.251	0.217	0.186	0.222	0.201	0.211	0.215	10.2
Carbon Tetrachloride	0.525	0.505	0.446	0.527	0.495	0.559	0.510	7.5
cis-1,2-Dichloroethene	0.777	0.766	0.628	0.740	0.669	0.749	0.721	8.2
Bromochloromethane	0.607	0.470	0.502	0.529	0.483	0.504	0.516	9.5
Chloroform	1.318	1.238	1.055	1.225	1.102	1.229	1.195	8.1
1,1,1-Trichloroethane	1.118	1.091	0.915	1.067	0.978	1.112	1.047	7.9
Methylcyclohexane	0.629	0.584	0.512	0.629	0.581	0.658	0.599	8.6
Benzene	1.512	1.474	1.283	1.488	1.361	1.514	1.439	6.6
1,2-Dichloroethane	0.448	0.399	0.368	0.430	0.398	0.436	0.413	7.3
Trichloroethene	0.381	0.340	0.300	0.366	0.333	0.370	0.348	8.7
1,2-Dichloropropane	0.390	0.375	0.322	0.366	0.337	0.371	0.360	7.1
Bromodichloromethane	0.549	0.524	0.456	0.543	0.501	0.560	0.522	7.4
4-Methyl-2-Pentanone	0.281	0.247	0.220	0.269	0.254	0.275	0.258	8.7
Toluene	0.930	0.892	0.800	0.940	0.866	0.960	0.898	6.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: MSVOA_Y Calibration Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:18 12:11

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY019827.D RRF010 = VY019828.D RRF020 = VY019829.D
RRF050 = VY019830.D RRF100 = VY019831.D RRF150 = VY019832.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.477	0.448	0.408	0.497	0.464	0.524	0.470	8.6
cis-1,3-Dichloropropene	0.577	0.537	0.489	0.579	0.542	0.603	0.554	7.3
1,1,2-Trichloroethane	0.280	0.257	0.230	0.269	0.248	0.271	0.259	6.9
2-Hexanone	0.193	0.173	0.160	0.197	0.185	0.197	0.184	8.1
Dibromochloromethane	0.348	0.317	0.294	0.344	0.328	0.364	0.333	7.5
1,2-Dibromoethane	0.244	0.234	0.207	0.246	0.226	0.248	0.234	6.7
Tetrachloroethene	0.379	0.366	0.316	0.368	0.328	0.377	0.356	7.6
Chlorobenzene	1.226	1.167	1.032	1.171	1.064	1.202	1.144	6.8
Ethyl Benzene	2.177	2.100	1.861	2.164	1.953	2.209	2.077	6.7
m/p-Xylenes	0.802	0.781	0.691	0.796	0.720	0.813	0.767	6.5
o-Xylene	0.750	0.756	0.665	0.769	0.700	0.783	0.737	6.1
Styrene	1.276	1.238	1.120	1.304	1.191	1.333	1.244	6.3
Bromoform	0.208	0.198	0.180	0.220	0.204	0.232	0.207	8.7
Isopropylbenzene	4.420	4.371	3.794	4.268	3.912	4.470	4.206	6.7
1,1,2,2-Tetrachloroethane	0.796	0.737	0.664	0.763	0.719	0.805	0.747	7
1,3-Dichlorobenzene	1.968	1.892	1.598	1.819	1.651	1.887	1.802	8.1
1,4-Dichlorobenzene	1.928	1.831	1.572	1.801	1.635	1.856	1.771	7.8
1,2-Dichlorobenzene	1.716	1.620	1.416	1.612	1.474	1.663	1.584	7.3
1,2-Dibromo-3-Chloropropane	0.133	0.115	0.100	0.121	0.118	0.129	0.119	9.7
1,2,4-Trichlorobenzene	0.860	0.832	0.758	0.965	0.886	1.027	0.888	10.8
1,2,3-Trichlorobenzene	0.716	0.698	0.634	0.823	0.761	0.872	0.751	11.5
1,2-Dichloroethane-d4	0.701	0.656	0.566	0.581	0.583	0.607	0.616	8.5
Dibromofluoromethane	0.356	0.335	0.300	0.321	0.326	0.341	0.330	5.8
Toluene-d8	1.299	1.254	1.134	1.185	1.191	1.246	1.218	4.9
4-Bromofluorobenzene	0.498	0.438	0.402	0.426	0.427	0.450	0.440	7.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: MSVOA_Y Calibration Date/Time: 10/11/2024 10:11

Lab File ID: VY019862.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.465	0.458		-1.5	20
Chloromethane	0.606	0.624	0.1	2.97	20
Vinyl Chloride	0.667	0.692		3.75	20
Bromomethane	0.422	0.422		0	20
Chloroethane	0.448	0.447		-0.22	20
Trichlorofluoromethane	0.992	0.984		-0.81	20
1,1,2-Trichlorotrifluoroethane	0.577	0.573		-0.69	20
1,1-Dichloroethene	0.536	0.536		0	20
Acetone	0.160	0.178		11.25	20
Carbon Disulfide	1.438	1.506		4.73	20
Methyl tert-butyl Ether	1.541	1.439		-6.62	20
Methyl Acetate	0.345	0.323		-6.38	20
Methylene Chloride	0.647	0.579		-10.51	20
trans-1,2-Dichloroethene	0.584	0.578		-1.03	20
1,1-Dichloroethane	1.172	1.171	0.1	-0.09	20
Cyclohexane	1.029	0.991		-3.69	20
2-Butanone	0.215	0.217		0.93	20
Carbon Tetrachloride	0.510	0.526		3.14	20
cis-1,2-Dichloroethene	0.721	0.716		-0.69	20
Bromochloromethane	0.516	0.467		-9.5	20
Chloroform	1.195	1.196		0.08	20
1,1,1-Trichloroethane	1.047	1.049		0.19	20
Methylcyclohexane	0.599	0.595		-0.67	20
Benzene	1.439	1.447		0.56	20
1,2-Dichloroethane	0.413	0.406		-1.7	20
Trichloroethene	0.348	0.343		-1.44	20
1,2-Dichloropropane	0.360	0.362		0.56	20
Bromodichloromethane	0.522	0.517		-0.96	20
4-Methyl-2-Pentanone	0.258	0.244		-5.43	20
Toluene	0.898	0.918		2.23	20
t-1,3-Dichloropropene	0.470	0.458		-2.55	20
cis-1,3-Dichloropropene	0.554	0.547		-1.26	20
1,1,2-Trichloroethane	0.259	0.248		-4.25	20
2-Hexanone	0.184	0.191		3.8	20
Dibromochloromethane	0.333	0.324		-2.7	20
1,2-Dibromoethane	0.234	0.220		-5.98	20
Tetrachloroethene	0.356	0.339		-4.78	20
Chlorobenzene	1.144	1.138	0.3	-0.52	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: MSVOA_Y Calibration Date/Time: 10/11/2024 10:11

Lab File ID: VY019862.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.077	2.106		1.4	20
m/p-Xylenes	0.767	0.769		0.26	20
o-Xylene	0.737	0.742		0.68	20
Styrene	1.244	1.260		1.29	20
Bromoform	0.207	0.193	0.1	-6.76	20
Isopropylbenzene	4.206	4.265		1.4	20
1,1,2,2-Tetrachloroethane	0.747	0.734	0.3	-1.74	20
1,3-Dichlorobenzene	1.802	1.770		-1.78	20
1,4-Dichlorobenzene	1.771	1.725		-2.6	20
1,2-Dichlorobenzene	1.584	1.557		-1.71	20
1,2-Dibromo-3-Chloropropane	0.119	0.109		-8.4	20
1,2,4-Trichlorobenzene	0.888	0.864		-2.7	20
1,2,3-Trichlorobenzene	0.751	0.705		-6.13	20
1,2-Dichloroethane-d4	0.616	0.572		-7.14	20
Dibromofluoromethane	0.330	0.321		-2.73	20
Toluene-d8	1.218	1.205		-1.07	20
4-Bromofluorobenzene	0.440	0.420		-4.55	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: MSVOA_Y Calibration Date/Time: 10/14/2024 09:52

Lab File ID: VY019882.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.465	0.410		-11.83	20
Chloromethane	0.606	0.563	0.1	-7.1	20
Vinyl Chloride	0.667	0.625		-6.3	20
Bromomethane	0.422	0.395		-6.4	20
Chloroethane	0.448	0.429		-4.24	20
Trichlorofluoromethane	0.992	0.941		-5.14	20
1,1,2-Trichlorotrifluoroethane	0.577	0.556		-3.64	20
1,1-Dichloroethene	0.536	0.492		-8.21	20
Acetone	0.160	0.179		11.88	20
Carbon Disulfide	1.438	1.214		-15.58	20
Methyl tert-butyl Ether	1.541	1.550		0.58	20
Methyl Acetate	0.345	0.359		4.06	20
Methylene Chloride	0.647	0.591		-8.65	20
trans-1,2-Dichloroethene	0.584	0.559		-4.28	20
1,1-Dichloroethane	1.172	1.193	0.1	1.79	20
Cyclohexane	1.029	0.912		-11.37	20
2-Butanone	0.215	0.229		6.51	20
Carbon Tetrachloride	0.510	0.501		-1.76	20
cis-1,2-Dichloroethene	0.721	0.713		-1.11	20
Bromochloromethane	0.516	0.554		7.36	20
Chloroform	1.195	1.236		3.43	20
1,1,1-Trichloroethane	1.047	1.041		-0.57	20
Methylcyclohexane	0.599	0.552		-7.85	20
Benzene	1.439	1.444		0.35	20
1,2-Dichloroethane	0.413	0.422		2.18	20
Trichloroethene	0.348	0.341		-2.01	20
1,2-Dichloropropane	0.360	0.376		4.44	20
Bromodichloromethane	0.522	0.553		5.94	20
4-Methyl-2-Pentanone	0.258	0.275		6.59	20
Toluene	0.898	0.919		2.34	20
t-1,3-Dichloropropene	0.470	0.484		2.98	20
cis-1,3-Dichloropropene	0.554	0.565		1.99	20
1,1,2-Trichloroethane	0.259	0.269		3.86	20
2-Hexanone	0.184	0.198		7.61	20
Dibromochloromethane	0.333	0.350		5.11	20
1,2-Dibromoethane	0.234	0.240		2.56	20
Tetrachloroethene	0.356	0.326		-8.43	20
Chlorobenzene	1.144	1.139	0.3	-0.44	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: MSVOA_Y Calibration Date/Time: 10/14/2024 09:52

Lab File ID: VY019882.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.077	2.048		-1.4	20
m/p-Xylenes	0.767	0.758		-1.17	20
o-Xylene	0.737	0.737		0	20
Styrene	1.244	1.264		1.61	20
Bromoform	0.207	0.205	0.1	-0.97	20
Isopropylbenzene	4.206	4.068		-3.28	20
1,1,2,2-Tetrachloroethane	0.747	0.756	0.3	1.21	20
1,3-Dichlorobenzene	1.802	1.733		-3.83	20
1,4-Dichlorobenzene	1.771	1.732		-2.2	20
1,2-Dichlorobenzene	1.584	1.540		-2.78	20
1,2-Dibromo-3-Chloropropane	0.119	0.112		-5.88	20
1,2,4-Trichlorobenzene	0.888	0.822		-7.43	20
1,2,3-Trichlorobenzene	0.751	0.689		-8.26	20
1,2-Dichloroethane-d4	0.616	0.619		0.49	20
Dibromofluoromethane	0.330	0.343		3.94	20
Toluene-d8	1.218	1.238		1.64	20
4-Bromofluorobenzene	0.440	0.447		1.59	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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LAB CHRONICLE

OrderID:	P4385	**OrderDate:**	10/10/2024 2:00:00 PM
Client:	Scheideler Excavating Co. Inc.	**Project:**	Robbinsville
Contact:	Jim Scheideler	**Location:**	K51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4385-02	**SP-1**	**SOIL**			**10/10/24**			**10/10/24**
			SVOC-TCL BNA -20	8270E		10/11/24	10/22/24	
P4385-04	**SP-2**	**SOIL**			**10/10/24**			**10/10/24**
			SVOC-TCL BNA -20	8270E		10/11/24	10/22/24	
P4385-06	**SP-3**	**SOIL**			**10/10/24**			**10/10/24**
			SVOC-TCL BNA -20	8270E		10/11/24	10/22/24	
P4385-08	**SP-4**	**SOIL**			**10/10/24**			**10/10/24**
			SVOC-TCL BNA -20	8270E		10/11/24	10/22/24	
P4385-10	**SP-5**	**SOIL**			**10/10/24**			**10/10/24**
			SVOC-TCL BNA -20	8270E		10/11/24	10/23/24	
P4385-12	**SP-6**	**SOIL**			**10/10/24**			**10/10/24**
			SVOC-TCL BNA -20	8270E		10/11/24	10/23/24	
P4385-14	**SP-7**	**SOIL**			**10/10/24**			**10/10/24**
			SVOC-TCL BNA -20	8270E		10/11/24	10/24/24	
P4385-16	**SP-8**	**SOIL**			**10/10/24**			**10/10/24**
			SVOC-TCL BNA -20	8270E		10/11/24	10/22/24	
P4385-18	**SP-9**	**SOIL**			**10/10/24**			**10/10/24**
			SVOC-TCL BNA -20	8270E		10/11/24	10/22/24	
P4385-20	**SP-10**	**SOIL**			**10/10/24**			**10/10/24**
			SVOC-TCL BNA -20	8270E		10/11/24	10/23/24	

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Hit Summary Sheet
SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : SP-1									
P4385-02	SP-1	SOIL	.beta.-Sitosterol	*	210.000	J	0	0	ug/Kg
P4385-02	SP-1	SOIL	1-Heneicosanol	*	230.000	J	0	0	ug/Kg
P4385-02	SP-1	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	190.000	AB	0	0	ug/Kg
P4385-02	SP-1	SOIL	5-Eicosene, (E)-	*	300.000	J	0	0	ug/Kg
P4385-02	SP-1	SOIL	Behenic alcohol	*	110.000	J	0	0	ug/Kg
P4385-02	SP-1	SOIL	Benzophenone	*	570.000	J	0	0	ug/Kg
P4385-02	SP-1	SOIL	Butane, 2-methoxy-2-methyl-	*	2,800.000	JB	0	0	ug/Kg
P4385-02	SP-1	SOIL	Eicosane	*	80.900	J	0	0	ug/Kg
P4385-02	SP-1	SOIL	Hexacosane	*	230.000	J	0	0	ug/Kg
P4385-02	SP-1	SOIL	Methanone, (1-hydroxycyclohexy	*	120.000	J	0	0	ug/Kg
P4385-02	SP-1	SOIL	n-Hexadecanoic acid	*	240.000	J	0	0	ug/Kg
P4385-02	SP-1	SOIL	Octadecanal	*	81.300	J	0	0	ug/Kg
P4385-02	SP-1	SOIL	Oxalic acid, isobutyl heptadecyl e	*	77.400	J	0	0	ug/Kg
P4385-02	SP-1	SOIL	Oxirane, hexadecyl-	*	110.000	J	0	0	ug/Kg
P4385-02	SP-1	SOIL	Stigmasterol	*	140.000	J	0	0	ug/Kg
			Total Tics :		**5,489.60**				
			Total Concentration:		**5,489.60**				
Client ID : SP-2									
P4385-04	SP-2	SOIL	.gamma.-Sitosterol	*	280.000	J	0	0	ug/Kg
P4385-04	SP-2	SOIL	1-Heneicosanol	*	240.000	J	0	0	ug/Kg
P4385-04	SP-2	SOIL	1-Heptacosanol	*	290.000	J	0	0	ug/Kg
P4385-04	SP-2	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	140.000	AB	0	0	ug/Kg
P4385-04	SP-2	SOIL	Benzophenone	*	460.000	J	0	0	ug/Kg
P4385-04	SP-2	SOIL	Butane, 2-methoxy-2-methyl-	*	2,200.000	JB	0	0	ug/Kg
P4385-04	SP-2	SOIL	Carbonic acid, octadecyl prop-1-e	*	90.700	J	0	0	ug/Kg
P4385-04	SP-2	SOIL	Hexacosane	*	81.200	J	0	0	ug/Kg
P4385-04	SP-2	SOIL	Methanone, (1-hydroxycyclohexy	*	97.700	J	0	0	ug/Kg
P4385-04	SP-2	SOIL	Octacosanol	*	75.300	J	0	0	ug/Kg
P4385-04	SP-2	SOIL	Octadecanal	*	150.000	J	0	0	ug/Kg
P4385-04	SP-2	SOIL	Oxirane, heptadecyl-	*	75.600	J	0	0	ug/Kg
P4385-04	SP-2	SOIL	Oxirane, hexadecyl-	*	97.300	J	0	0	ug/Kg
P4385-04	SP-2	SOIL	Tetratetracontane	*	210.000	J	0	0	ug/Kg
P4385-04	SP-2	SOIL	unknown17.221	*	170.000	J	0	0	ug/Kg
			Total Tics :		**4,657.80**				
			Total Concentration:		**4,657.80**				
Client ID : SP-3									

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Hit Summary Sheet
SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
P4385-06	SP-3	SOIL	.gamma.-Sitosterol	*	360.000	J	0	0	ug/Kg
P4385-06	SP-3	SOIL	1,3-Propanediol, 2-dodecyl	*	91.200	J	0	0	ug/Kg
P4385-06	SP-3	SOIL	1-Heneicosanol	*	360.000	J	0	0	ug/Kg
P4385-06	SP-3	SOIL	1-Octadecene	*	98.300	J	0	0	ug/Kg
P4385-06	SP-3	SOIL	22-Stigmasten-3-one	*	250.000	J	0	0	ug/Kg
P4385-06	SP-3	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	280.000	AB	0	0	ug/Kg
P4385-06	SP-3	SOIL	3-Penten-2-one, 4-methyl-	*	160.000	A	0	0	ug/Kg
P4385-06	SP-3	SOIL	Behenic alcohol	*	130.000	J	0	0	ug/Kg
P4385-06	SP-3	SOIL	Benzophenone	*	510.000	J	0	0	ug/Kg
P4385-06	SP-3	SOIL	Butane, 2-methoxy-2-methyl-	*	3,500.000	JB	0	0	ug/Kg
P4385-06	SP-3	SOIL	Heptadecane	*	140.000	J	0	0	ug/Kg
P4385-06	SP-3	SOIL	Hexacosane	*	140.000	J	0	0	ug/Kg
P4385-06	SP-3	SOIL	Methanone, (1-hydroxycyclohexy	*	100.000	J	0	0	ug/Kg
P4385-06	SP-3	SOIL	Octacosanol	*	410.000	J	0	0	ug/Kg
P4385-06	SP-3	SOIL	Octadecanal	*	140.000	J	0	0	ug/Kg
P4385-06	SP-3	SOIL	Oxirane, hexadecyl-	*	120.000	J	0	0	ug/Kg
P4385-06	SP-3	SOIL	Pentanedioic acid, dimethyl ester	*	82.000	J	0	0	ug/Kg
P4385-06	SP-3	SOIL	Tetracosanal	*	200.000	J	0	0	ug/Kg
P4385-06	SP-3	SOIL	Tetracosane	*	290.000	J	0	0	ug/Kg
			Total Tics :		**7,361.50**				
			Total Concentration:		**7,361.50**				
Client ID :	**SP-4**								
P4385-08	SP-4	SOIL	1-Heneicosanol	*	170.000	J	0	0	ug/Kg
P4385-08	SP-4	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	160.000	AB	0	0	ug/Kg
P4385-08	SP-4	SOIL	Butane, 2-methoxy-2-methyl-	*	2,200.000	JB	0	0	ug/Kg
			Total Tics :		**2,530.00**				
			Total Concentration:		**2,530.00**				
Client ID :	**SP-5**								
P4385-10	SP-5	SOIL	n-Hexadecanoic acid	*	370.000	J	0	0	ug/Kg
P4385-10	SP-5	SOIL	Octadecanoic acid	*	72.400	J	0	0	ug/Kg
P4385-10	SP-5	SOIL	Pentacosane	*	350.000	J	0	0	ug/Kg
P4385-10	SP-5	SOIL	Tricosane	*	320.000	J	0	0	ug/Kg
P4385-10	SP-5	SOIL	1-Tricosene	*	200.000	J	0	0	ug/Kg
P4385-10	SP-5	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	AB	0	0	ug/Kg
P4385-10	SP-5	SOIL	9-Tricosene, (Z)-	*	320.000	J	0	0	ug/Kg
P4385-10	SP-5	SOIL	Benzophenone	*	120.000	J	0	0	ug/Kg
P4385-10	SP-5	SOIL	Butane, 2-methoxy-2-methyl-	*	2,500.000	JB	0	0	ug/Kg
P4385-10	SP-5	SOIL	Carbonic acid, octadecyl prop-1-e	*	81.300	J	0	0	ug/Kg
			Total Tics :		**4,513.70**				

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Hit Summary Sheet
SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Concentration:		**4,513.70**				
Client ID : SP-6									
P4385-12	SP-6	SOIL	1-Hexacosene	*	280.000	J	0	0	ug/Kg
P4385-12	SP-6	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0	0	ug/Kg
P4385-12	SP-6	SOIL	Benzophenone	*	130.000	J	0	0	ug/Kg
P4385-12	SP-6	SOIL	Butane, 2-methoxy-2-methyl-	*	2,900.000	JB	0	0	ug/Kg
P4385-12	SP-6	SOIL	Heptadecane	*	82.200	J	0	0	ug/Kg
P4385-12	SP-6	SOIL	n-Hexadecanoic acid	*	340.000	J	0	0	ug/Kg
P4385-12	SP-6	SOIL	Octadecane	*	74.700	J	0	0	ug/Kg
P4385-12	SP-6	SOIL	Supraene	*	91.800	J	0	0	ug/Kg
			Total Tics :		**4,108.70**				
			Total Concentration:		**4,108.70**				
Client ID : SP-7									
P4385-14	SP-7	SOIL	Fluoranthene		89.100	J	86.9	180	ug/Kg
			Total Svoc :		**89.10**				
P4385-14	SP-7	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	160.000	AB	0	0	ug/Kg
P4385-14	SP-7	SOIL	Benzophenone	*	110.000	J	0	0	ug/Kg
P4385-14	SP-7	SOIL	Butane, 2-methoxy-2-methyl-	*	2,100.000	JB	0	0	ug/Kg
P4385-14	SP-7	SOIL	Cyclopentadecane	*	200.000	J	0	0	ug/Kg
P4385-14	SP-7	SOIL	Germanicol	*	1,200.000	J	0	0	ug/Kg
P4385-14	SP-7	SOIL	Heneicosane	*	290.000	J	0	0	ug/Kg
P4385-14	SP-7	SOIL	n-Hexadecanoic acid	*	440.000	J	0	0	ug/Kg
P4385-14	SP-7	SOIL	Octadecanoic acid	*	100.000	J	0	0	ug/Kg
P4385-14	SP-7	SOIL	Oxirane, heptadecyl-	*	250.000	J	0	0	ug/Kg
P4385-14	SP-7	SOIL	Oxirane, hexadecyl-	*	360.000	J	0	0	ug/Kg
P4385-14	SP-7	SOIL	Pentacosane	*	330.000	J	0	0	ug/Kg
			Total Tics :		**5,540.00**				
			Total Concentration:		**5,629.10**				
Client ID : SP-8									
P4385-16	SP-8	SOIL	Fluoranthene		95.300	J	86.4	180	ug/Kg
			Total Svoc :		**95.30**				
P4385-16	SP-8	SOIL	n-Hexadecanoic acid	*	480.000	J	0	0	ug/Kg
P4385-16	SP-8	SOIL	Octadecanal	*	110.000	J	0	0	ug/Kg
P4385-16	SP-8	SOIL	Octadecanoic acid	*	88.900	J	0	0	ug/Kg
P4385-16	SP-8	SOIL	Pentadecane, 8-hexyl-	*	180.000	J	0	0	ug/Kg
P4385-16	SP-8	SOIL	Pentanedioic acid, dimethyl ester	*	73.000	J	0	0	ug/Kg
P4385-16	SP-8	SOIL	Tetracosane	*	380.000	J	0	0	ug/Kg
P4385-16	SP-8	SOIL	1-Heneicosanol	*	210.000	J	0	0	ug/Kg
P4385-16	SP-8	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	190.000	AB	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
P4385-16	SP-8	SOIL	9-Tricosene, (Z)-	*	390.000	J	0	0	ug/Kg
P4385-16	SP-8	SOIL	Benzophenone	*	140.000	J	0	0	ug/Kg
P4385-16	SP-8	SOIL	Butane, 2-methoxy-2-methyl-	*	2,500.000	JB	0	0	ug/Kg
P4385-16	SP-8	SOIL	Cyclohexadecane	*	140.000	J	0	0	ug/Kg
			Total Tics :		**4,881.90**				
			Total Concentration:		**4,977.20**				
Client ID : SP-9									
P4385-18	SP-9	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	120.000	AB	0	0	ug/Kg
P4385-18	SP-9	SOIL	5-Eicosene, (E)-	*	210.000	J	0	0	ug/Kg
P4385-18	SP-9	SOIL	Benzophenone	*	90.200	J	0	0	ug/Kg
P4385-18	SP-9	SOIL	Butane, 2-methoxy-2-methyl-	*	2,100.000	JB	0	0	ug/Kg
P4385-18	SP-9	SOIL	Heneicosane	*	99.500	J	0	0	ug/Kg
P4385-18	SP-9	SOIL	n-Hexadecanoic acid	*	190.000	J	0	0	ug/Kg
P4385-18	SP-9	SOIL	Nonadecane	*	140.000	J	0	0	ug/Kg
			Total Tics :		**2,949.70**				
			Total Concentration:		**2,949.70**				
Client ID : SP-10									
P4385-20	SP-10	SOIL	Fluoranthene		99.400	J	86.3	180	ug/Kg
			Total Svoc :		**99.40**				
P4385-20	SP-10	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0	0	ug/Kg
P4385-20	SP-10	SOIL	Benzophenone	*	120.000	J	0	0	ug/Kg
P4385-20	SP-10	SOIL	Butane, 2-methoxy-2-methyl-	*	2,400.000	JB	0	0	ug/Kg
P4385-20	SP-10	SOIL	Cyclopentadecane	*	230.000	J	0	0	ug/Kg
P4385-20	SP-10	SOIL	n-Hexadecanoic acid	*	390.000	J	0	0	ug/Kg
P4385-20	SP-10	SOIL	Nonadecane	*	200.000	J	0	0	ug/Kg
P4385-20	SP-10	SOIL	Octadecanoic acid	*	85.600	J	0	0	ug/Kg
P4385-20	SP-10	SOIL	Oxirane, heptadecyl-	*	170.000	J	0	0	ug/Kg
P4385-20	SP-10	SOIL	Oxirane, hexadecyl-	*	130.000	J	0	0	ug/Kg
P4385-20	SP-10	SOIL	Tricosane, 2-methyl-	*	190.000	J	0	0	ug/Kg
			Total Tics :		**4,125.60**				
			Total Concentration:		**4,225.00**				

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139941.D	1	10/11/24 09:38	10/22/24 21:20	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	88.7	U	88.7	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.5	U	89.5	180	ug/Kg
95-57-8	2-Chlorophenol	89.3	U	89.3	180	ug/Kg
95-48-7	2-Methylphenol	86.2	U	86.2	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.2	U	97.2	180	ug/Kg
98-86-2	Acetophenone	92.9	U	92.9	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.4	U	85.4	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.1	U	43.1	85.6	ug/Kg
67-72-1	Hexachloroethane	88.8	U	88.8	180	ug/Kg
98-95-3	Nitrobenzene	97.1	U	97.1	180	ug/Kg
78-59-1	Isophorone	90.5	U	90.5	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.7	U	99.7	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.8	U	91.8	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.8	U	80.8	180	ug/Kg
91-20-3	Naphthalene	88.3	U	88.3	180	ug/Kg
106-47-8	4-Chloroaniline	88.3	UQ	88.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.1	U	89.1	180	ug/Kg
105-60-2	Caprolactam	92.8	U	92.8	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.9	U	82.9	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.2	U	88.2	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.4	U	76.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.2	U	79.2	180	ug/Kg
92-52-4	1,1-Biphenyl	93.5	U	93.5	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.1	U	89.1	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	87.4	U	87.4	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139941.D	1	10/11/24 09:38	10/22/24 21:20	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	92.5	U	92.5	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.0	U	89.0	180	ug/Kg
99-09-2	3-Nitroaniline	95.4	UQ	95.4	180	ug/Kg
83-32-9	Acenaphthene	86.7	U	86.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	90.3	U	90.3	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.2	U	92.2	180	ug/Kg
84-66-2	Diethylphthalate	85.7	U	85.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.6	U	91.6	180	ug/Kg
86-73-7	Fluorene	91.5	U	91.5	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	UQ	130	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.3	U	87.3	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.4	U	84.4	180	ug/Kg
118-74-1	Hexachlorobenzene	90.9	U	90.9	180	ug/Kg
1912-24-9	Atrazine	97.8	U	97.8	180	ug/Kg
87-86-5	Pentachlorophenol	82.7	U	82.7	350	ug/Kg
85-01-8	Phenanthrene	89.8	U	89.8	180	ug/Kg
120-12-7	Anthracene	90.3	U	90.3	180	ug/Kg
86-74-8	Carbazole	85.9	U	85.9	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.2	U	90.2	180	ug/Kg
206-44-0	Fluoranthene	87.4	U	87.4	180	ug/Kg
129-00-0	Pyrene	88.8	U	88.8	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.3	U	86.3	180	ug/Kg
218-01-9	Chrysene	85.0	U	85.0	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.3	U	97.3	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.7	U	86.7	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139941.D	1	10/11/24 09:38	10/22/24 21:20	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	88.3	U	88.3	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.5	U	99.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.5	U	83.5	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.9	U	86.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.7	U	85.7	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.8	U	92.8	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.9	U	79.9	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	90.0		30 (18) - 130 (112)	60%	SPK: 150
13127-88-3	Phenol-d6	89.6		30 (15) - 130 (107)	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.7		30 (18) - 130 (107)	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.7		30 (20) - 130 (109)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	69.6		30 (10) - 130 (116)	46%	SPK: 150
1718-51-0	Terphenyl-d14	52.0		30 (10) - 130 (105)	52%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	137000	6.887			
1146-65-2	Naphthalene-d8	521000	8.169			
15067-26-2	Acenaphthene-d10	255000	9.922			
1517-22-2	Phenanthrene-d10	372000	11.41			
1719-03-5	Chrysene-d12	303000	14.045			
1520-96-3	Perylene-d12	325000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	2800	JB		2.19	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB		5.11	ug/Kg
000119-61-9	Benzophenone	570	J		10.6	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	120	J		10.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	240	J		11.9	ug/Kg
074685-30-6	5-Eicosene, (E)-	300	J		13.9	ug/Kg
1000309-38-2	Oxalic acid, isobutyl heptadecyl e	77.4	J		14.5	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139941.D	1	10/11/24 09:38	10/22/24 21:20	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
007390-81-0	Oxirane, hexadecyl-	110	J		15.0	ug/Kg
000112-95-8	Eicosane	80.9	J		15.2	ug/Kg
015594-90-8	1-Heneicosanol	230	J		15.2	ug/Kg
000638-66-4	Octadecanal	81.3	J		15.8	ug/Kg
000630-01-3	Hexacosane	230	J		16.0	ug/Kg
000661-19-8	Behenic alcohol	110	J		16.1	ug/Kg
000083-48-7	Stigmasterol	140	J		17.2	ug/Kg
000083-46-5	.beta.-Sitosterol	210	J		17.6	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139937.D	1	10/11/24 09:38	10/22/24 19:25	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	87.1	U	87.1	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	87.9	U	87.9	180	ug/Kg
95-57-8	2-Chlorophenol	87.7	U	87.7	180	ug/Kg
95-48-7	2-Methylphenol	84.6	U	84.6	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	95.5	U	95.5	180	ug/Kg
98-86-2	Acetophenone	91.3	U	91.3	180	ug/Kg
65794-96-9	3+4-Methylphenols	83.8	U	83.8	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.3	U	42.3	84.0	ug/Kg
67-72-1	Hexachloroethane	87.2	U	87.2	180	ug/Kg
98-95-3	Nitrobenzene	95.4	U	95.4	180	ug/Kg
78-59-1	Isophorone	88.8	U	88.8	180	ug/Kg
88-75-5	2-Nitrophenol	99.2	U	99.2	180	ug/Kg
105-67-9	2,4-Dimethylphenol	97.9	U	97.9	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.1	U	90.1	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.3	U	79.3	180	ug/Kg
91-20-3	Naphthalene	86.7	U	86.7	180	ug/Kg
106-47-8	4-Chloroaniline	86.7	UQ	86.7	180	ug/Kg
87-68-3	Hexachlorobutadiene	87.5	U	87.5	180	ug/Kg
105-60-2	Caprolactam	91.2	U	91.2	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.4	U	81.4	180	ug/Kg
91-57-6	2-Methylnaphthalene	86.6	U	86.6	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.0	U	75.0	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.7	U	77.7	180	ug/Kg
92-52-4	1,1-Biphenyl	91.8	U	91.8	180	ug/Kg
91-58-7	2-Chloronaphthalene	87.5	U	87.5	180	ug/Kg
88-74-4	2-Nitroaniline	99.8	U	99.8	180	ug/Kg
131-11-3	Dimethylphthalate	85.8	U	85.8	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139937.D	1	10/11/24 09:38	10/22/24 19:25	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	90.8	U	90.8	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.4	U	87.4	180	ug/Kg
99-09-2	3-Nitroaniline	93.7	UQ	93.7	180	ug/Kg
83-32-9	Acenaphthene	85.2	U	85.2	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	88.6	U	88.6	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.5	U	90.5	180	ug/Kg
84-66-2	Diethylphthalate	84.1	U	84.1	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	89.9	U	89.9	180	ug/Kg
86-73-7	Fluorene	89.8	U	89.8	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	UQ	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.7	U	85.7	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	82.9	U	82.9	180	ug/Kg
118-74-1	Hexachlorobenzene	89.3	U	89.3	180	ug/Kg
1912-24-9	Atrazine	96.0	U	96.0	180	ug/Kg
87-86-5	Pentachlorophenol	81.2	U	81.2	350	ug/Kg
85-01-8	Phenanthrene	88.2	U	88.2	180	ug/Kg
120-12-7	Anthracene	88.6	U	88.6	180	ug/Kg
86-74-8	Carbazole	84.3	U	84.3	180	ug/Kg
84-74-2	Di-n-butylphthalate	88.5	U	88.5	180	ug/Kg
206-44-0	Fluoranthene	85.8	U	85.8	180	ug/Kg
129-00-0	Pyrene	87.2	U	87.2	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	84.7	U	84.7	180	ug/Kg
218-01-9	Chrysene	83.5	U	83.5	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.6	U	95.6	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.2	U	85.2	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139937.D	1	10/11/24 09:38	10/22/24 19:25	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	86.7	U	86.7	180	ug/Kg
50-32-8	Benzo(a)pyrene	97.7	U	97.7	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.0	U	82.0	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85.3	U	85.3	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	84.1	U	84.1	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.2	U	91.2	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	78.4	U	78.4	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	73.0		30 (18) - 130 (112)	49%	SPK: 150
13127-88-3	Phenol-d6	71.0		30 (15) - 130 (107)	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.7		30 (18) - 130 (107)	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.1		30 (20) - 130 (109)	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	47.4		30 (10) - 130 (116)	32%	SPK: 150
1718-51-0	Terphenyl-d14	43.0		30 (10) - 130 (105)	43%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	152000	6.887			
1146-65-2	Naphthalene-d8	581000	8.169			
15067-26-2	Acenaphthene-d10	305000	9.922			
1517-22-2	Phenanthrene-d10	450000	11.41			
1719-03-5	Chrysene-d12	326000	14.045			
1520-96-3	Perylene-d12	360000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	2200	JB		2.18	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	AB		5.10	ug/Kg
000119-61-9	Benzophenone	460	J		10.6	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	97.7	J		10.9	ug/Kg
015594-90-8	1-Heneicosanol	240	J		13.9	ug/Kg
1000383-11-5	Carbonic acid, octadecyl prop-1-en	90.7	J		14.5	ug/Kg
000638-66-4	Octadecanal	150	J		15.0	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139937.D	1	10/11/24 09:38	10/22/24 19:25	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000630-01-3	Hexacosane	81.2	J		15.2	ug/Kg
002004-39-9	1-Heptacosanol	290	J		15.2	ug/Kg
007390-81-0	Oxirane, hexadecyl-	97.3	J		15.8	ug/Kg
007098-22-8	Tetratetracontane	210	J		16.0	ug/Kg
000557-61-9	Octacosanol	75.3	J		16.1	ug/Kg
067860-04-2	Oxirane, heptadecyl-	75.6	J		16.8	ug/Kg
	unknown17.221	170	J		17.2	ug/Kg
000083-47-6	.gamma.-Sitosterol	280	J		17.6	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139938.D	1	10/11/24 09:38	10/22/24 19:54	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	87.9	U	87.9	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.8	U	88.8	180	ug/Kg
95-57-8	2-Chlorophenol	88.6	U	88.6	180	ug/Kg
95-48-7	2-Methylphenol	85.5	U	85.5	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.4	U	96.4	180	ug/Kg
98-86-2	Acetophenone	92.2	U	92.2	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.6	U	84.6	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.7	U	42.7	84.8	ug/Kg
67-72-1	Hexachloroethane	88.0	U	88.0	180	ug/Kg
98-95-3	Nitrobenzene	96.3	U	96.3	180	ug/Kg
78-59-1	Isophorone	89.7	U	89.7	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	98.8	U	98.8	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.0	U	91.0	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.1	U	80.1	180	ug/Kg
91-20-3	Naphthalene	87.6	U	87.6	180	ug/Kg
106-47-8	4-Chloroaniline	87.6	UQ	87.6	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.3	U	88.3	180	ug/Kg
105-60-2	Caprolactam	92.1	U	92.1	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.2	U	82.2	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.5	U	87.5	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.7	U	75.7	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.5	U	78.5	180	ug/Kg
92-52-4	1,1-Biphenyl	92.7	U	92.7	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.3	U	88.3	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	86.6	U	86.6	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139938.D	1	10/11/24 09:38	10/22/24 19:54	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	91.7	U	91.7	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.2	U	88.2	180	ug/Kg
99-09-2	3-Nitroaniline	94.6	UQ	94.6	180	ug/Kg
83-32-9	Acenaphthene	86.0	U	86.0	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	89.5	U	89.5	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.4	U	91.4	180	ug/Kg
84-66-2	Diethylphthalate	85.0	U	85.0	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.8	U	90.8	180	ug/Kg
86-73-7	Fluorene	90.7	U	90.7	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	UQ	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.5	U	86.5	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.7	U	83.7	180	ug/Kg
118-74-1	Hexachlorobenzene	90.1	U	90.1	180	ug/Kg
1912-24-9	Atrazine	96.9	U	96.9	180	ug/Kg
87-86-5	Pentachlorophenol	82.0	U	82.0	350	ug/Kg
85-01-8	Phenanthrene	89.1	U	89.1	180	ug/Kg
120-12-7	Anthracene	89.5	U	89.5	180	ug/Kg
86-74-8	Carbazole	85.2	U	85.2	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.4	U	89.4	180	ug/Kg
206-44-0	Fluoranthene	86.6	U	86.6	180	ug/Kg
129-00-0	Pyrene	88.0	U	88.0	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	85.6	U	85.6	180	ug/Kg
218-01-9	Chrysene	84.3	U	84.3	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.5	U	96.5	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.0	U	86.0	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139938.D	1	10/11/24 09:38	10/22/24 19:54	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	87.6	U	87.6	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.6	U	98.6	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.8	U	82.8	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.1	U	86.1	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.0	U	85.0	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.1	U	92.1	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.2	U	79.2	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	112		30 (18) - 130 (112)	75%	SPK: 150
13127-88-3	Phenol-d6	110		30 (15) - 130 (107)	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.2		30 (18) - 130 (107)	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.9		30 (20) - 130 (109)	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.8		30 (10) - 130 (116)	55%	SPK: 150
1718-51-0	Terphenyl-d14	65.9		30 (10) - 130 (105)	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	134000	6.887			
1146-65-2	Naphthalene-d8	526000	8.169			
15067-26-2	Acenaphthene-d10	268000	9.922			
1517-22-2	Phenanthrene-d10	400000	11.41			
1719-03-5	Chrysene-d12	295000	14.051			
1520-96-3	Perylene-d12	332000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	3500	JB		2.19	ug/Kg
000141-79-7	3-Penten-2-one, 4-methyl-	160	A		4.50	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	AB		5.12	ug/Kg
001119-40-0	Pentanedioic acid, dimethyl ester	82.0	J		7.70	ug/Kg
000119-61-9	Benzophenone	510	J		10.6	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	100	J		10.9	ug/Kg
000112-88-9	1-Octadecene	98.3	J		12.5	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139938.D	1	10/11/24 09:38	10/22/24 19:54	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
010395-09-2	1,3-Propanediol, 2-dodecyl	91.2	J		13.2	ug/Kg
000557-61-9	Octacosanol	410	J		13.9	ug/Kg
000629-78-7	Heptadecane	140	J		14.5	ug/Kg
057866-08-7	Tetracosanal	200	J		15.0	ug/Kg
000630-01-3	Hexacosane	140	J		15.2	ug/Kg
015594-90-8	1-Heneicosanol	360	J		15.2	ug/Kg
000638-66-4	Octadecanal	140	J		15.8	ug/Kg
000646-31-1	Tetracosane	290	J		16.0	ug/Kg
000661-19-8	Behenic alcohol	130	J		16.1	ug/Kg
007390-81-0	Oxirane, hexadecyl-	120	J		16.8	ug/Kg
004736-95-2	22-Stigmasten-3-one	250	J		17.2	ug/Kg
000083-47-6	.gamma.-Sitosterol	360	J		17.6	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	99.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139936.D	1	10/11/24 09:38	10/22/24 18:56	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
108-95-2	Phenol	83.5	U	83.5	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	84.3	U	84.3	170	ug/Kg
95-57-8	2-Chlorophenol	84.1	U	84.1	170	ug/Kg
95-48-7	2-Methylphenol	81.2	U	81.2	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	91.6	U	91.6	170	ug/Kg
98-86-2	Acetophenone	87.6	U	87.6	170	ug/Kg
65794-96-9	3+4-Methylphenols	80.4	U	80.4	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.6	U	40.6	80.6	ug/Kg
67-72-1	Hexachloroethane	83.6	U	83.6	170	ug/Kg
98-95-3	Nitrobenzene	91.5	U	91.5	170	ug/Kg
78-59-1	Isophorone	85.3	U	85.3	170	ug/Kg
88-75-5	2-Nitrophenol	95.2	U	95.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.9	U	93.9	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	86.5	U	86.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	76.1	U	76.1	170	ug/Kg
91-20-3	Naphthalene	83.2	U	83.2	170	ug/Kg
106-47-8	4-Chloroaniline	83.2	UQ	83.2	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.9	U	83.9	170	ug/Kg
105-60-2	Caprolactam	87.5	U	87.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	78.1	U	78.1	170	ug/Kg
91-57-6	2-Methylnaphthalene	83.1	U	83.1	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.0	U	72.0	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.6	U	74.6	170	ug/Kg
92-52-4	1,1-Biphenyl	88.1	U	88.1	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.9	U	83.9	170	ug/Kg
88-74-4	2-Nitroaniline	95.7	U	95.7	170	ug/Kg
131-11-3	Dimethylphthalate	82.3	U	82.3	170	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	99.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139936.D	1	10/11/24 09:38	10/22/24 18:56	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	87.2	U	87.2	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.8	U	83.8	170	ug/Kg
99-09-2	3-Nitroaniline	89.9	UQ	89.9	170	ug/Kg
83-32-9	Acenaphthene	81.7	U	81.7	170	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	330	ug/Kg
132-64-9	Dibenzofuran	85.1	U	85.1	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.9	U	86.9	170	ug/Kg
84-66-2	Diethylphthalate	80.7	U	80.7	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	86.3	U	86.3	170	ug/Kg
86-73-7	Fluorene	86.2	U	86.2	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	UQ	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	82.2	U	82.2	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	79.5	U	79.5	170	ug/Kg
118-74-1	Hexachlorobenzene	85.7	U	85.7	170	ug/Kg
1912-24-9	Atrazine	92.1	U	92.1	170	ug/Kg
87-86-5	Pentachlorophenol	77.9	U	77.9	330	ug/Kg
85-01-8	Phenanthrene	84.7	U	84.7	170	ug/Kg
120-12-7	Anthracene	85.1	U	85.1	170	ug/Kg
86-74-8	Carbazole	80.9	U	80.9	170	ug/Kg
84-74-2	Di-n-butylphthalate	85.0	U	85.0	170	ug/Kg
206-44-0	Fluoranthene	82.3	U	82.3	170	ug/Kg
129-00-0	Pyrene	83.6	U	83.6	170	ug/Kg
85-68-7	Butylbenzylphthalate	97.5	U	97.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	99.4	U	99.4	330	ug/Kg
56-55-3	Benzo(a)anthracene	81.3	U	81.3	170	ug/Kg
218-01-9	Chrysene	80.1	U	80.1	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91.7	U	91.7	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.7	U	81.7	170	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	99.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139936.D	1	10/11/24 09:38	10/22/24 18:56	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	83.2	U	83.2	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.7	U	93.7	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.7	U	78.7	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.8	U	81.8	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.7	U	80.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	87.5	U	87.5	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	75.3	U	75.3	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.5		30 (18) - 130 (112)	55%	SPK: 150
13127-88-3	Phenol-d6	82.0		30 (15) - 130 (107)	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.6		30 (18) - 130 (107)	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.4		30 (20) - 130 (109)	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	40.2	*	30 (10) - 130 (116)	27%	SPK: 150
1718-51-0	Terphenyl-d14	51.7		30 (10) - 130 (105)	52%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	137000	6.886			
1146-65-2	Naphthalene-d8	530000	8.169			
15067-26-2	Acenaphthene-d10	284000	9.922			
1517-22-2	Phenanthrene-d10	435000	11.41			
1719-03-5	Chrysene-d12	297000	14.051			
1520-96-3	Perylene-d12	339000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	2200	JB		2.19	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	AB		5.11	ug/Kg
015594-90-8	1-Heneicosanol	170	J		13.9	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.			Date Collected:	10/10/24
Project:	Robbinsville			Date Received:	10/10/24
Client Sample ID:	SP-4			SDG No.:	P4385
Lab Sample ID:	P4385-08			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	99.1
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139936.D	1	10/11/24 09:38	10/22/24 18:56	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139949.D	1	10/11/24 09:38	10/23/24 01:08	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	88.7	U	88.7	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.5	U	89.5	180	ug/Kg
95-57-8	2-Chlorophenol	89.3	U	89.3	180	ug/Kg
95-48-7	2-Methylphenol	86.2	U	86.2	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.2	U	97.2	180	ug/Kg
98-86-2	Acetophenone	92.9	U	92.9	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.4	U	85.4	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.1	U	43.1	85.6	ug/Kg
67-72-1	Hexachloroethane	88.8	U	88.8	180	ug/Kg
98-95-3	Nitrobenzene	97.1	U	97.1	180	ug/Kg
78-59-1	Isophorone	90.5	U	90.5	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.7	U	99.7	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.8	U	91.8	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.8	U	80.8	180	ug/Kg
91-20-3	Naphthalene	88.3	U	88.3	180	ug/Kg
106-47-8	4-Chloroaniline	88.3	UQ	88.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.1	U	89.1	180	ug/Kg
105-60-2	Caprolactam	92.8	U	92.8	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.9	U	82.9	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.2	U	88.2	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.4	U	76.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.2	U	79.2	180	ug/Kg
92-52-4	1,1-Biphenyl	93.5	U	93.5	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.1	U	89.1	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	87.4	U	87.4	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139949.D	1	10/11/24 09:38	10/23/24 01:08	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	92.5	U	92.5	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.0	U	89.0	180	ug/Kg
99-09-2	3-Nitroaniline	95.4	UQ	95.4	180	ug/Kg
83-32-9	Acenaphthene	86.7	U	86.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	90.3	U	90.3	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.2	U	92.2	180	ug/Kg
84-66-2	Diethylphthalate	85.7	U	85.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.6	U	91.6	180	ug/Kg
86-73-7	Fluorene	91.5	U	91.5	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	UQ	130	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.3	U	87.3	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.4	U	84.4	180	ug/Kg
118-74-1	Hexachlorobenzene	90.9	U	90.9	180	ug/Kg
1912-24-9	Atrazine	97.8	U	97.8	180	ug/Kg
87-86-5	Pentachlorophenol	82.7	U	82.7	350	ug/Kg
85-01-8	Phenanthrene	89.8	U	89.8	180	ug/Kg
120-12-7	Anthracene	90.3	U	90.3	180	ug/Kg
86-74-8	Carbazole	85.9	U	85.9	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.2	U	90.2	180	ug/Kg
206-44-0	Fluoranthene	87.4	U	87.4	180	ug/Kg
129-00-0	Pyrene	88.8	U	88.8	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.3	U	86.3	180	ug/Kg
218-01-9	Chrysene	85.0	U	85.0	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.3	U	97.3	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.7	U	86.7	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139949.D	1	10/11/24 09:38	10/23/24 01:08	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	88.3	U	88.3	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.5	U	99.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.5	U	83.5	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.9	U	86.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.7	U	85.7	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.8	U	92.8	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.9	U	79.9	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	84.1		30 (18) - 130 (112)	56%	SPK: 150
13127-88-3	Phenol-d6	76.1		30 (15) - 130 (107)	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.3		30 (18) - 130 (107)	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.1		30 (20) - 130 (109)	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	101		30 (10) - 130 (116)	67%	SPK: 150
1718-51-0	Terphenyl-d14	54.7		30 (10) - 130 (105)	55%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	108000	6.893			
1146-65-2	Naphthalene-d8	355000	8.169			
15067-26-2	Acenaphthene-d10	171000	9.928			
1517-22-2	Phenanthrene-d10	337000	11.41			
1719-03-5	Chrysene-d12	293000	14.051			
1520-96-3	Perylene-d12	206000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	2500	JB		2.17	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB		5.11	ug/Kg
000119-61-9	Benzophenone	120	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	370	J		11.9	ug/Kg
000057-11-4	Octadecanoic acid	72.4	J		12.7	ug/Kg
027519-02-4	9-Tricosene, (Z)-	320	J		13.9	ug/Kg
1000383-11-5	Carbonic acid, octadecyl prop-1-en	81.3	J		14.5	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.			Date Collected:	10/10/24
Project:	Robbinsville			Date Received:	10/10/24
Client Sample ID:	SP-5			SDG No.:	P4385
Lab Sample ID:	P4385-10			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	93.4
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139949.D	1	10/11/24 09:38	10/23/24 01:08	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000638-67-5	Tricosane	320	J		15.2	ug/Kg
000629-99-2	Pentacosane	350	J		16.0	ug/Kg
018835-32-0	1-Tricosene	200	J		16.1	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-12	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139947.D	1	10/11/24 09:38	10/23/24 00:11	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	350	ug/Kg
108-95-2	Phenol	88.9	U	88.9	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.7	U	89.7	180	ug/Kg
95-57-8	2-Chlorophenol	89.5	U	89.5	180	ug/Kg
95-48-7	2-Methylphenol	86.4	U	86.4	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.4	U	97.4	180	ug/Kg
98-86-2	Acetophenone	93.2	U	93.2	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.5	U	85.5	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.2	U	43.2	85.8	ug/Kg
67-72-1	Hexachloroethane	89.0	U	89.0	180	ug/Kg
98-95-3	Nitrobenzene	97.3	U	97.3	180	ug/Kg
78-59-1	Isophorone	90.7	U	90.7	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.9	U	99.9	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	92.0	U	92.0	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.9	U	80.9	180	ug/Kg
91-20-3	Naphthalene	88.6	U	88.6	180	ug/Kg
106-47-8	4-Chloroaniline	88.6	UQ	88.6	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.3	U	89.3	180	ug/Kg
105-60-2	Caprolactam	93.1	U	93.1	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	83.1	U	83.1	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.4	U	88.4	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.5	U	76.5	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.3	U	79.3	180	ug/Kg
92-52-4	1,1-Biphenyl	93.7	U	93.7	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.3	U	89.3	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	87.6	U	87.6	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-12	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139947.D	1	10/11/24 09:38	10/23/24 00:11	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	92.7	U	92.7	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.2	U	89.2	180	ug/Kg
99-09-2	3-Nitroaniline	95.6	UQ	95.6	180	ug/Kg
83-32-9	Acenaphthene	86.9	U	86.9	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	90.5	U	90.5	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.4	U	92.4	180	ug/Kg
84-66-2	Diethylphthalate	85.9	U	85.9	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.8	U	91.8	180	ug/Kg
86-73-7	Fluorene	91.7	U	91.7	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	UQ	130	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.5	U	87.5	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.6	U	84.6	180	ug/Kg
118-74-1	Hexachlorobenzene	91.1	U	91.1	180	ug/Kg
1912-24-9	Atrazine	98.0	U	98.0	180	ug/Kg
87-86-5	Pentachlorophenol	82.9	U	82.9	350	ug/Kg
85-01-8	Phenanthrene	90.1	U	90.1	180	ug/Kg
120-12-7	Anthracene	90.5	U	90.5	180	ug/Kg
86-74-8	Carbazole	86.1	U	86.1	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.4	U	90.4	180	ug/Kg
206-44-0	Fluoranthene	87.6	U	87.6	180	ug/Kg
129-00-0	Pyrene	89.0	U	89.0	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.5	U	86.5	180	ug/Kg
218-01-9	Chrysene	85.2	U	85.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.6	U	97.6	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.9	U	86.9	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-12	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139947.D	1	10/11/24 09:38	10/23/24 00:11	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	88.6	U	88.6	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.7	U	99.7	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.7	U	83.7	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	87.1	U	87.1	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.9	U	85.9	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.1	U	93.1	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	80.1	U	80.1	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	94.3		30 (18) - 130 (112)	63%	SPK: 150
13127-88-3	Phenol-d6	86.4		30 (15) - 130 (107)	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.5		30 (18) - 130 (107)	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.8		30 (20) - 130 (109)	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	105		30 (10) - 130 (116)	70%	SPK: 150
1718-51-0	Terphenyl-d14	57.4		30 (10) - 130 (105)	57%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	114000	6.892			
1146-65-2	Naphthalene-d8	384000	8.169			
15067-26-2	Acenaphthene-d10	173000	9.927			
1517-22-2	Phenanthrene-d10	309000	11.41			
1719-03-5	Chrysene-d12	295000	14.051			
1520-96-3	Perylene-d12	215000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	2900	JB		2.18	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		5.11	ug/Kg
000119-61-9	Benzophenone	130	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	340	J		11.9	ug/Kg
018835-33-1	1-Hexacosene	280	J		13.9	ug/Kg
007683-64-9	Supraene	91.8	J		14.9	ug/Kg
000593-45-3	Octadecane	74.7	J		15.2	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.			Date Collected:	10/10/24
Project:	Robbinsville			Date Received:	10/10/24
Client Sample ID:	SP-6			SDG No.:	P4385
Lab Sample ID:	P4385-12			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	93
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139947.D	1	10/11/24 09:38	10/23/24 00:11	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000629-78-7	Heptadecane	82.2	J		16.0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139983.D	1	10/11/24 09:38	10/24/24 00:11	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	88.2	U	88.2	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.1	U	89.1	180	ug/Kg
95-57-8	2-Chlorophenol	88.8	U	88.8	180	ug/Kg
95-48-7	2-Methylphenol	85.8	U	85.8	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.7	U	96.7	180	ug/Kg
98-86-2	Acetophenone	92.5	U	92.5	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.9	U	84.9	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.9	U	42.9	85.1	ug/Kg
67-72-1	Hexachloroethane	88.3	U	88.3	180	ug/Kg
98-95-3	Nitrobenzene	96.6	U	96.6	180	ug/Kg
78-59-1	Isophorone	90.0	U	90.0	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.2	U	99.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.3	U	91.3	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.3	U	80.3	180	ug/Kg
91-20-3	Naphthalene	87.9	U	87.9	180	ug/Kg
106-47-8	4-Chloroaniline	87.9	UQ	87.9	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.6	U	88.6	180	ug/Kg
105-60-2	Caprolactam	92.4	U	92.4	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.5	U	82.5	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.8	U	87.8	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.0	U	76.0	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.7	U	78.7	180	ug/Kg
92-52-4	1,1-Biphenyl	93.0	U	93.0	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.6	U	88.6	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	86.9	U	86.9	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139983.D	1	10/11/24 09:38	10/24/24 00:11	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	92.0	U	92.0	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.5	U	88.5	180	ug/Kg
99-09-2	3-Nitroaniline	94.9	UQ	94.9	180	ug/Kg
83-32-9	Acenaphthene	86.3	U	86.3	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	89.8	U	89.8	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.7	U	91.7	180	ug/Kg
84-66-2	Diethylphthalate	85.2	U	85.2	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.1	U	91.1	180	ug/Kg
86-73-7	Fluorene	91.0	U	91.0	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	UQ	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.8	U	86.8	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.9	U	83.9	180	ug/Kg
118-74-1	Hexachlorobenzene	90.4	U	90.4	180	ug/Kg
1912-24-9	Atrazine	97.2	U	97.2	180	ug/Kg
87-86-5	Pentachlorophenol	82.2	U	82.2	350	ug/Kg
85-01-8	Phenanthrene	89.4	U	89.4	180	ug/Kg
120-12-7	Anthracene	89.8	U	89.8	180	ug/Kg
86-74-8	Carbazole	85.4	U	85.4	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.7	U	89.7	180	ug/Kg
206-44-0	Fluoranthene	89.1	J	86.9	180	ug/Kg
129-00-0	Pyrene	88.3	U	88.3	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	85.9	U	85.9	180	ug/Kg
218-01-9	Chrysene	84.6	U	84.6	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.8	U	96.8	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.3	U	86.3	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139983.D	1	10/11/24 09:38	10/24/24 00:11	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	87.9	U	87.9	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.9	U	98.9	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.1	U	83.1	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.4	U	86.4	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.2	U	85.2	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.4	U	92.4	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.5	U	79.5	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	85.3		30 (18) - 130 (112)	57%	SPK: 150
13127-88-3	Phenol-d6	80.0		30 (15) - 130 (107)	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.5		30 (18) - 130 (107)	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.6		30 (20) - 130 (109)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.2		30 (10) - 130 (116)	55%	SPK: 150
1718-51-0	Terphenyl-d14	47.9		30 (10) - 130 (105)	48%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.893			
1146-65-2	Naphthalene-d8	443000	8.169			
15067-26-2	Acenaphthene-d10	205000	9.922			
1517-22-2	Phenanthrene-d10	329000	11.41			
1719-03-5	Chrysene-d12	309000	14.051			
1520-96-3	Perylene-d12	243000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	2100	JB		2.19	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	AB		5.11	ug/Kg
000119-61-9	Benzophenone	110	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	440	J		11.9	ug/Kg
000057-11-4	Octadecanoic acid	100	J		12.7	ug/Kg
000295-48-7	Cyclopentadecane	200	J		13.9	ug/Kg
000629-99-2	Pentacosane	330	J		15.2	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139983.D	1	10/11/24 09:38	10/24/24 00:11	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
067860-04-2	Oxirane, heptadecyl-	250	J		15.8	ug/Kg
000629-94-7	Heneicosane	290	J		16.0	ug/Kg
007390-81-0	Oxirane, hexadecyl-	360	J		16.8	ug/Kg
000465-02-1	Germanicol	1200	J		17.4	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139945.D	1	10/11/24 09:38	10/22/24 23:14	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	87.7	U	87.7	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.6	U	88.6	180	ug/Kg
95-57-8	2-Chlorophenol	88.3	U	88.3	180	ug/Kg
95-48-7	2-Methylphenol	85.3	U	85.3	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.2	U	96.2	180	ug/Kg
98-86-2	Acetophenone	91.9	U	91.9	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.4	U	84.4	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.6	U	42.6	84.6	ug/Kg
67-72-1	Hexachloroethane	87.8	U	87.8	180	ug/Kg
98-95-3	Nitrobenzene	96.1	U	96.1	180	ug/Kg
78-59-1	Isophorone	89.5	U	89.5	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	98.6	U	98.6	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.8	U	90.8	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.9	U	79.9	180	ug/Kg
91-20-3	Naphthalene	87.4	U	87.4	180	ug/Kg
106-47-8	4-Chloroaniline	87.4	UQ	87.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.1	U	88.1	180	ug/Kg
105-60-2	Caprolactam	91.8	U	91.8	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.0	U	82.0	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.3	U	87.3	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.5	U	75.5	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.3	U	78.3	180	ug/Kg
92-52-4	1,1-Biphenyl	92.5	U	92.5	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.1	U	88.1	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	86.4	U	86.4	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139945.D	1	10/11/24 09:38	10/22/24 23:14	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	91.5	U	91.5	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.0	U	88.0	180	ug/Kg
99-09-2	3-Nitroaniline	94.4	UQ	94.4	180	ug/Kg
83-32-9	Acenaphthene	85.8	U	85.8	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	89.3	U	89.3	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.2	U	91.2	180	ug/Kg
84-66-2	Diethylphthalate	84.7	U	84.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.6	U	90.6	180	ug/Kg
86-73-7	Fluorene	90.5	U	90.5	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	UQ	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.3	U	86.3	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.5	U	83.5	180	ug/Kg
118-74-1	Hexachlorobenzene	89.9	U	89.9	180	ug/Kg
1912-24-9	Atrazine	96.7	U	96.7	180	ug/Kg
87-86-5	Pentachlorophenol	81.8	U	81.8	350	ug/Kg
85-01-8	Phenanthrene	88.9	U	88.9	180	ug/Kg
120-12-7	Anthracene	89.3	U	89.3	180	ug/Kg
86-74-8	Carbazole	85.0	U	85.0	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.2	U	89.2	180	ug/Kg
206-44-0	Fluoranthene	95.3	J	86.4	180	ug/Kg
129-00-0	Pyrene	87.8	U	87.8	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	85.4	U	85.4	180	ug/Kg
218-01-9	Chrysene	84.1	U	84.1	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.3	U	96.3	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.8	U	85.8	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139945.D	1	10/11/24 09:38	10/22/24 23:14	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	87.4	U	87.4	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.4	U	98.4	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.6	U	82.6	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85.9	U	85.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	84.7	U	84.7	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.8	U	91.8	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.0	U	79.0	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	95.3		30 (18) - 130 (112)	64%	SPK: 150
13127-88-3	Phenol-d6	86.2		30 (15) - 130 (107)	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.1		30 (18) - 130 (107)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.7		30 (20) - 130 (109)	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	102		30 (10) - 130 (116)	68%	SPK: 150
1718-51-0	Terphenyl-d14	56.6		30 (10) - 130 (105)	57%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	119000	6.893			
1146-65-2	Naphthalene-d8	400000	8.169			
15067-26-2	Acenaphthene-d10	182000	9.928			
1517-22-2	Phenanthrene-d10	308000	11.41			
1719-03-5	Chrysene-d12	298000	14.051			
1520-96-3	Perylene-d12	223000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	2500	JB		2.18	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB		5.11	ug/Kg
001119-40-0	Pentanedioic acid, dimethyl ester	73.0	J		7.70	ug/Kg
000119-61-9	Benzophenone	140	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	480	J		11.9	ug/Kg
000057-11-4	Octadecanoic acid	88.9	J		12.7	ug/Kg
027519-02-4	9-Tricosene, (Z)-	390	J		13.9	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139945.D	1	10/11/24 09:38	10/22/24 23:14	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000295-65-8	Cyclohexadecane	140	J		14.5	ug/Kg
000646-31-1	Tetracosane	380	J		15.2	ug/Kg
000638-66-4	Octadecanal	110	J		15.8	ug/Kg
013475-75-7	Pentadecane, 8-hexyl-	180	J		16.0	ug/Kg
015594-90-8	1-Heneicosanol	210	J		16.1	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139946.D	1	10/11/24 09:38	10/22/24 23:43	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	88.7	U	88.7	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.6	U	89.6	180	ug/Kg
95-57-8	2-Chlorophenol	89.3	U	89.3	180	ug/Kg
95-48-7	2-Methylphenol	86.2	U	86.2	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.3	U	97.3	180	ug/Kg
98-86-2	Acetophenone	93.0	U	93.0	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.4	U	85.4	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.1	U	43.1	85.6	ug/Kg
67-72-1	Hexachloroethane	88.8	U	88.8	180	ug/Kg
98-95-3	Nitrobenzene	97.2	U	97.2	180	ug/Kg
78-59-1	Isophorone	90.5	U	90.5	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.7	U	99.7	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.8	U	91.8	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.8	U	80.8	180	ug/Kg
91-20-3	Naphthalene	88.4	U	88.4	180	ug/Kg
106-47-8	4-Chloroaniline	88.4	UQ	88.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.1	U	89.1	180	ug/Kg
105-60-2	Caprolactam	92.9	U	92.9	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.9	U	82.9	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.3	U	88.3	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.4	U	76.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.2	U	79.2	180	ug/Kg
92-52-4	1,1-Biphenyl	93.5	U	93.5	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.1	U	89.1	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	87.4	U	87.4	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139946.D	1	10/11/24 09:38	10/22/24 23:43	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	92.6	U	92.6	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.0	U	89.0	180	ug/Kg
99-09-2	3-Nitroaniline	95.4	UQ	95.4	180	ug/Kg
83-32-9	Acenaphthene	86.8	U	86.8	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	90.3	U	90.3	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.2	U	92.2	180	ug/Kg
84-66-2	Diethylphthalate	85.7	U	85.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.6	U	91.6	180	ug/Kg
86-73-7	Fluorene	91.5	U	91.5	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	UQ	130	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.3	U	87.3	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.4	U	84.4	180	ug/Kg
118-74-1	Hexachlorobenzene	90.9	U	90.9	180	ug/Kg
1912-24-9	Atrazine	97.8	U	97.8	180	ug/Kg
87-86-5	Pentachlorophenol	82.7	U	82.7	350	ug/Kg
85-01-8	Phenanthrene	89.9	U	89.9	180	ug/Kg
120-12-7	Anthracene	90.3	U	90.3	180	ug/Kg
86-74-8	Carbazole	85.9	U	85.9	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.2	U	90.2	180	ug/Kg
206-44-0	Fluoranthene	87.4	U	87.4	180	ug/Kg
129-00-0	Pyrene	88.8	U	88.8	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.3	U	86.3	180	ug/Kg
218-01-9	Chrysene	85.1	U	85.1	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.4	U	97.4	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.8	U	86.8	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139946.D	1	10/11/24 09:38	10/22/24 23:43	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	88.4	U	88.4	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.5	U	99.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.6	U	83.6	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.9	U	86.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.7	U	85.7	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.9	U	92.9	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.9	U	79.9	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	56.0		30 (18) - 130 (112)	37%	SPK: 150
13127-88-3	Phenol-d6	51.0		30 (15) - 130 (107)	34%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.9		30 (18) - 130 (107)	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.2		30 (20) - 130 (109)	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	60.7		30 (10) - 130 (116)	40%	SPK: 150
1718-51-0	Terphenyl-d14	34.2		30 (10) - 130 (105)	34%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	125000	6.893			
1146-65-2	Naphthalene-d8	413000	8.169			
15067-26-2	Acenaphthene-d10	188000	9.922			
1517-22-2	Phenanthrene-d10	327000	11.41			
1719-03-5	Chrysene-d12	323000	14.051			
1520-96-3	Perylene-d12	235000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	2100	JB		2.17	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	120	AB		5.10	ug/Kg
000119-61-9	Benzophenone	90.2	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	190	J		11.9	ug/Kg
074685-30-6	5-Eicosene, (E)-	210	J		13.9	ug/Kg
000629-92-5	Nonadecane	140	J		15.2	ug/Kg
000629-94-7	Heneicosane	99.5	J		16.0	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139946.D	1	10/11/24 09:38	10/22/24 23:43	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139982.D	1	10/11/24 09:38	10/23/24 23:43	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	U	190	350	ug/Kg
108-95-2	Phenol	87.6	U	87.6	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.4	U	88.4	180	ug/Kg
95-57-8	2-Chlorophenol	88.2	U	88.2	180	ug/Kg
95-48-7	2-Methylphenol	85.2	U	85.2	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.0	U	96.0	180	ug/Kg
98-86-2	Acetophenone	91.8	U	91.8	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.3	U	84.3	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.6	U	42.6	84.5	ug/Kg
67-72-1	Hexachloroethane	87.7	U	87.7	180	ug/Kg
98-95-3	Nitrobenzene	95.9	U	95.9	180	ug/Kg
78-59-1	Isophorone	89.4	U	89.4	180	ug/Kg
88-75-5	2-Nitrophenol	99.8	U	99.8	180	ug/Kg
105-67-9	2,4-Dimethylphenol	98.5	U	98.5	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.6	U	90.6	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.8	U	79.8	180	ug/Kg
91-20-3	Naphthalene	87.3	U	87.3	180	ug/Kg
106-47-8	4-Chloroaniline	87.3	UQ	87.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.0	U	88.0	180	ug/Kg
105-60-2	Caprolactam	91.7	U	91.7	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.9	U	81.9	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.2	U	87.2	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.4	U	75.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.2	U	78.2	180	ug/Kg
92-52-4	1,1-Biphenyl	92.3	U	92.3	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.0	U	88.0	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	86.3	U	86.3	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139982.D	1	10/11/24 09:38	10/23/24 23:43	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	91.4	U	91.4	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.9	U	87.9	180	ug/Kg
99-09-2	3-Nitroaniline	94.2	UQ	94.2	180	ug/Kg
83-32-9	Acenaphthene	85.7	U	85.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	89.2	U	89.2	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.1	U	91.1	180	ug/Kg
84-66-2	Diethylphthalate	84.6	U	84.6	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.4	U	90.4	180	ug/Kg
86-73-7	Fluorene	90.3	U	90.3	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	UQ	120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.2	U	86.2	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.4	U	83.4	180	ug/Kg
118-74-1	Hexachlorobenzene	89.8	U	89.8	180	ug/Kg
1912-24-9	Atrazine	96.6	U	96.6	180	ug/Kg
87-86-5	Pentachlorophenol	81.7	U	81.7	350	ug/Kg
85-01-8	Phenanthrene	88.7	U	88.7	180	ug/Kg
120-12-7	Anthracene	89.2	U	89.2	180	ug/Kg
86-74-8	Carbazole	84.8	U	84.8	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.1	U	89.1	180	ug/Kg
206-44-0	Fluoranthene	99.4	J	86.3	180	ug/Kg
129-00-0	Pyrene	87.7	U	87.7	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	350	ug/Kg
56-55-3	Benzo(a)anthracene	85.3	U	85.3	180	ug/Kg
218-01-9	Chrysene	84.0	U	84.0	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.1	U	96.1	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.7	U	85.7	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139982.D	1	10/11/24 09:38	10/23/24 23:43	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	87.3	U	87.3	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.3	U	98.3	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.5	U	82.5	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85.8	U	85.8	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	84.6	U	84.6	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.7	U	91.7	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	78.9	U	78.9	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	103		30 (18) - 130 (112)	68%	SPK: 150
13127-88-3	Phenol-d6	96.6		30 (15) - 130 (107)	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.3		30 (18) - 130 (107)	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.9		30 (20) - 130 (109)	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	97.6		30 (10) - 130 (116)	65%	SPK: 150
1718-51-0	Terphenyl-d14	56.8		30 (10) - 130 (105)	57%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	133000	6.893			
1146-65-2	Naphthalene-d8	486000	8.169			
15067-26-2	Acenaphthene-d10	229000	9.922			
1517-22-2	Phenanthrene-d10	357000	11.41			
1719-03-5	Chrysene-d12	325000	14.051			
1520-96-3	Perylene-d12	261000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	2400	JB		2.21	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		5.12	ug/Kg
000119-61-9	Benzophenone	120	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	390	J		11.9	ug/Kg
000057-11-4	Octadecanoic acid	85.6	J		12.7	ug/Kg
000295-48-7	Cyclopentadecane	230	J		13.9	ug/Kg
000629-92-5	Nonadecane	200	J		15.2	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139982.D	1	10/11/24 09:38	10/23/24 23:43	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
007390-81-0	Oxirane, hexadecyl-	130	J		15.8	ug/Kg
001928-30-9	Tricosane, 2-methyl-	190	J		16.0	ug/Kg
067860-04-2	Oxirane, heptadecyl-	170	J		16.8	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4385-02	SP-1	2-Fluorophenol	150	90.0	60		30 (18)	130 (112)
		Phenol-d6	150	89.6	60		30 (15)	130 (107)
		Nitrobenzene-d5	100	68.7	69		30 (18)	130 (107)
		2-Fluorobiphenyl	100	73.7	74		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	69.6	46		30 (10)	130 (116)
		Terphenyl-d14	100	52.0	52		30 (10)	130 (105)
P4385-04	SP-2	2-Fluorophenol	150	73.0	49		30 (18)	130 (112)
		Phenol-d6	150	71.0	47		30 (15)	130 (107)
		Nitrobenzene-d5	100	53.7	54		30 (18)	130 (107)
		2-Fluorobiphenyl	100	57.1	57		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	47.4	32		30 (10)	130 (116)
		Terphenyl-d14	100	43.0	43		30 (10)	130 (105)
P4385-06	SP-3	2-Fluorophenol	150	112	75		30 (18)	130 (112)
		Phenol-d6	150	110	73		30 (15)	130 (107)
		Nitrobenzene-d5	100	83.2	83		30 (18)	130 (107)
		2-Fluorobiphenyl	100	85.9	86		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	81.8	55		30 (10)	130 (116)
		Terphenyl-d14	100	65.9	66		30 (10)	130 (105)
P4385-06MS	SP-3MS	2-Fluorophenol	150	115	77		30 (18)	130 (112)
		Phenol-d6	150	113	75		30 (15)	130 (107)
		Nitrobenzene-d5	100	86.1	86		30 (18)	130 (107)
		2-Fluorobiphenyl	100	83.1	83		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	122	81		30 (10)	130 (116)
		Terphenyl-d14	100	84.2	84		30 (10)	130 (105)
P4385-06MSD	SP-3MSD	2-Fluorophenol	150	117	78		30 (18)	130 (112)
		Phenol-d6	150	116	77		30 (15)	130 (107)
		Nitrobenzene-d5	100	87.2	87		30 (18)	130 (107)
		2-Fluorobiphenyl	100	83.0	83		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	123	82		30 (10)	130 (116)
		Terphenyl-d14	100	82.8	83		30 (10)	130 (105)
P4385-08	SP-4	2-Fluorophenol	150	82.5	55		30 (18)	130 (112)
		Phenol-d6	150	82.0	55		30 (15)	130 (107)
		Nitrobenzene-d5	100	62.6	63		30 (18)	130 (107)
		2-Fluorobiphenyl	100	65.4	65		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	40.2	27	*	30 (10)	130 (116)
		Terphenyl-d14	100	51.7	52		30 (10)	130 (105)
P4385-10	SP-5	2-Fluorophenol	150	84.1	56		30 (18)	130 (112)
		Phenol-d6	150	76.1	51		30 (15)	130 (107)
		Nitrobenzene-d5	100	65.3	65		30 (18)	130 (107)
		2-Fluorobiphenyl	100	70.1	70		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	101	67		30 (10)	130 (116)
		Terphenyl-d14	100	54.7	55		30 (10)	130 (105)
P4385-12	SP-6	2-Fluorophenol	150	94.3	63		30 (18)	130 (112)
		Phenol-d6	150	86.4	58		30 (15)	130 (107)
		Nitrobenzene-d5	100	73.5	74		30 (18)	130 (107)
		2-Fluorobiphenyl	100	80.8	81		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	105	70		30 (10)	130 (116)
		Terphenyl-d14	100	57.4	57		30 (10)	130 (105)
P4385-14	SP-7	2-Fluorophenol	150	85.3	57		30 (18)	130 (112)
		Phenol-d6	150	80.0	53		30 (15)	130 (107)
		Nitrobenzene-d5	100	63.5	63		30 (18)	130 (107)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4385-14	SP-7	2-Fluorobiphenyl	100	70.6	71		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	82.2	55		30 (10)	130 (116)
		Terphenyl-d14	100	47.9	48		30 (10)	130 (105)
P4385-16	SP-8	2-Fluorophenol	150	95.3	64		30 (18)	130 (112)
		Phenol-d6	150	86.2	57		30 (15)	130 (107)
		Nitrobenzene-d5	100	76.1	76		30 (18)	130 (107)
		2-Fluorobiphenyl	100	81.7	82		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	102	68		30 (10)	130 (116)
		Terphenyl-d14	100	56.6	57		30 (10)	130 (105)
P4385-18	SP-9	2-Fluorophenol	150	56.0	37		30 (18)	130 (112)
		Phenol-d6	150	51.0	34		30 (15)	130 (107)
		Nitrobenzene-d5	100	45.9	46		30 (18)	130 (107)
		2-Fluorobiphenyl	100	48.2	48		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	60.7	40		30 (10)	130 (116)
		Terphenyl-d14	100	34.2	34		30 (10)	130 (105)
P4385-20	SP-10	2-Fluorophenol	150	103	68		30 (18)	130 (112)
		Phenol-d6	150	96.6	64		30 (15)	130 (107)
		Nitrobenzene-d5	100	77.3	77		30 (18)	130 (107)
		2-Fluorobiphenyl	100	82.9	83		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	97.6	65		30 (10)	130 (116)
		Terphenyl-d14	100	56.8	57		30 (10)	130 (105)
PB164071BL	PB164071BL	2-Fluorophenol	150	135	90		30 (18)	130 (112)
		Phenol-d6	150	132	88		30 (15)	130 (107)
		Nitrobenzene-d5	100	98.9	99		30 (18)	130 (107)
		2-Fluorobiphenyl	100	93.6	94		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	150	100		30 (10)	130 (116)
		Terphenyl-d14	100	90.0	90		30 (10)	130 (105)
PB164071BS	PB164071BS	2-Fluorophenol	150	135	90		30 (18)	130 (112)
		Phenol-d6	150	132	88		30 (15)	130 (107)
		Nitrobenzene-d5	100	98.9	99		30 (18)	130 (107)
		2-Fluorobiphenyl	100	93.3	93		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	154	103		30 (10)	130 (116)
		Terphenyl-d14	100	113	113		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4385-06MS		**Client Sample ID: SP-3MS**						**DataFile: BF139902.D**			
Benzaldehyde	1800	0	760	ug/Kg	42				20 (10)	160 (86)	
Phenol	1800	0	1900	ug/Kg	106				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1800	0	1800	ug/Kg	100				70 (54)	130 (125)	
2-Chlorophenol	1800	0	1900	ug/Kg	106				70 (79)	130 (107)	
2-Methylphenol	1800	0	1900	ug/Kg	106				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1800	0	1800	ug/Kg	100				70 (65)	130 (110)	
Acetophenone	1800	0	1800	ug/Kg	100				70 (75)	130 (111)	
3+4-Methylphenols	1800	0	1800	ug/Kg	100				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	1800	0	1800	ug/Kg	100				70 (59)	130 (119)	
Hexachloroethane	1800	0	1800	ug/Kg	100				20 (65)	160 (117)	
Nitrobenzene	1800	0	1700	ug/Kg	94				70 (70)	130 (119)	
Isophorone	1800	0	1800	ug/Kg	100				70 (76)	130 (122)	
2-Nitrophenol	1800	0	2100	ug/Kg	117				70 (54)	130 (145)	
2,4-Dimethylphenol	1800	0	2000	ug/Kg	111				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	1800	0	1800	ug/Kg	100				70 (68)	130 (112)	
2,4-Dichlorophenol	1800	0	1800	ug/Kg	100				70 (72)	130 (118)	
Naphthalene	1800	0	1700	ug/Kg	94				70 (72)	130 (110)	
4-Chloroaniline	1800	0	370	ug/Kg	21	*			70 (10)	130 (91)	
Hexachlorobutadiene	1800	0	1700	ug/Kg	94				70 (66)	130 (114)	
Caprolactam	1800	0	1900	ug/Kg	106				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1800	0	1800	ug/Kg	100				70 (57)	130 (132)	
2-Methylnaphthalene	1800	0	1800	ug/Kg	100				70 (59)	130 (123)	
Hexachlorocyclopentadiene	3500	0	5400	ug/Kg	154				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1800	0	1900	ug/Kg	106				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100				70 (72)	130 (117)	
1,1-Biphenyl	1800	0	1800	ug/Kg	100				70 (75)	130 (113)	
2-Chloronaphthalene	1800	0	1800	ug/Kg	100				70 (67)	130 (118)	
2-Nitroaniline	1800	0	2000	ug/Kg	111				70 (69)	130 (127)	
Dimethylphthalate	1800	0	1900	ug/Kg	106				70 (70)	130 (113)	
Acenaphthylene	1800	0	1900	ug/Kg	106				70 (79)	130 (118)	
2,6-Dinitrotoluene	1800	0	1900	ug/Kg	106				70 (70)	130 (125)	
3-Nitroaniline	1800	0	1100	ug/Kg	61	*			70 (30)	130 (99)	
Acenaphthene	1800	0	2000	ug/Kg	111				70 (70)	130 (121)	
2,4-Dinitrophenol	3500	0	4200	ug/Kg	120				20 (10)	160 (155)	
4-Nitrophenol	3500	0	3600	ug/Kg	103				20 (45)	160 (133)	
Dibenzofuran	1800	0	1800	ug/Kg	100				70 (72)	130 (110)	
2,4-Dinitrotoluene	1800	0	2000	ug/Kg	111				70 (55)	130 (128)	
Diethylphthalate	1800	0	1800	ug/Kg	100				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1800	0	1700	ug/Kg	94				70 (71)	130 (108)	
Fluorene	1800	0	1700	ug/Kg	94				70 (68)	130 (116)	
4-Nitroaniline	1800	0	1800	ug/Kg	100				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1800	0	2400	ug/Kg	133	*			70 (10)	130 (160)	
N-Nitrosodiphenylamine	1800	0	1800	ug/Kg	100				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1800	0	1900	ug/Kg	106				70 (65)	130 (121)	
Hexachlorobenzene	1800	0	1800	ug/Kg	100				70 (67)	130 (118)	
Atrazine	1800	0	2200	ug/Kg	122				70 (79)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	3500	0	3400	ug/Kg	97				20 (47)	160 (128)	
Phenanthrene	1800	0	1800	ug/Kg	100				70 (52)	130 (128)	
Anthracene	1800	0	1800	ug/Kg	100				70 (62)	130 (124)	
Carbazole	1800	0	1700	ug/Kg	94				70 (59)	130 (119)	
Di-n-butylphthalate	1800	0	1800	ug/Kg	100				70 (69)	130 (118)	
Fluoranthene	1800	0	1700	ug/Kg	94				70 (44)	130 (125)	
Pyrene	1800	0	1700	ug/Kg	94				70 (26)	130 (142)	
Butylbenzylphthalate	1800	0	2200	ug/Kg	122				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1800	0	970	ug/Kg	54	*			70 (33)	130 (116)	
Benzo(a)anthracene	1800	0	1900	ug/Kg	106				70 (71)	130 (114)	
Chrysene	1800	0	1900	ug/Kg	106				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1800	0	2500	ug/Kg	139	*			70 (42)	130 (169)	
Di-n-octyl phthalate	1800	0	2300	ug/Kg	128				70 (23)	130 (175)	
Benzo(b)fluoranthene	1800	0	1900	ug/Kg	106				70 (67)	130 (121)	
Benzo(k)fluoranthene	1800	0	1700	ug/Kg	94				70 (57)	130 (134)	
Benzo(a)pyrene	1800	0	2000	ug/Kg	111				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1800	0	1700	ug/Kg	94				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1800	0	1700	ug/Kg	94				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1800	0	1500	ug/Kg	83				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1800	0	1800	ug/Kg	100				70 (69)	130 (124)	
1,4-Dioxane	1800	0	1700	ug/Kg	94				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1800	0	1900	ug/Kg	106				70 (69)	130 (112)	

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4385-06MSD		**Client Sample ID: SP-3MSD**						**DataFile: BF139903.D**			
Benzaldehyde	1800	0	780	ug/Kg	43		2		20 (10)	160 (86)	30 (20)
Phenol	1800	0	1900	ug/Kg	106		0		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1800	0	1900	ug/Kg	106		6		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1800	0	1900	ug/Kg	106		0		70 (79)	130 (107)	30 (20)
2-Methylphenol	1800	0	1900	ug/Kg	106		0		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1800	0	1900	ug/Kg	106		6		70 (65)	130 (110)	30 (20)
Acetophenone	1800	0	1700	ug/Kg	94		6		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1800	0	1800	ug/Kg	100		0		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1800	0	1800	ug/Kg	100		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	1800	0	1800	ug/Kg	100		0		20 (65)	160 (117)	30 (20)
Nitrobenzene	1800	0	1800	ug/Kg	100		6		70 (70)	130 (119)	30 (20)
Isophorone	1800	0	1800	ug/Kg	100		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1800	0	2200	ug/Kg	122		4		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1800	0	2100	ug/Kg	117		5		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1800	0	1800	ug/Kg	100		0		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1800	0	1800	ug/Kg	100		0		70 (72)	130 (118)	30 (20)
Naphthalene	1800	0	1800	ug/Kg	100		6		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1800	0	340	ug/Kg	19	*	10		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1800	0	1800	ug/Kg	100		6		70 (66)	130 (114)	30 (20)
Caprolactam	1800	0	1900	ug/Kg	106		0		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1800	0	1800	ug/Kg	100		0		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1800	0	1800	ug/Kg	100		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3500	0	5600	ug/Kg	160		4		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1800	0	2000	ug/Kg	111		5		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100		0		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1800	0	1800	ug/Kg	100		0		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1800	0	1800	ug/Kg	100		0		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1800	0	2000	ug/Kg	111		0		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1800	0	1900	ug/Kg	106		0		70 (70)	130 (113)	30 (20)
Acenaphthylene	1800	0	1900	ug/Kg	106		0		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1800	0	1900	ug/Kg	106		0		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1800	0	1100	ug/Kg	61	*	0		70 (30)	130 (99)	30 (20)
Acenaphthene	1800	0	2000	ug/Kg	111		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	3500	0	4400	ug/Kg	126		5		20 (10)	160 (155)	30 (20)
4-Nitrophenol	3500	0	3700	ug/Kg	106		3		20 (45)	160 (133)	30 (20)
Dibenzofuran	1800	0	1800	ug/Kg	100		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1800	0	2000	ug/Kg	111		0		70 (55)	130 (128)	30 (20)
Diethylphthalate	1800	0	1800	ug/Kg	100		0		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1800	0	1700	ug/Kg	94		0		70 (71)	130 (108)	30 (20)
Fluorene	1800	0	1700	ug/Kg	94		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1800	0	1800	ug/Kg	100		0		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1800	0	2500	ug/Kg	139	*	4		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1800	0	1900	ug/Kg	106		6		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1800	0	1900	ug/Kg	106		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1800	0	1800	ug/Kg	100		0		70 (67)	130 (118)	30 (20)
Atrazine	1800	0	2200	ug/Kg	122		0		70 (79)	130 (127)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	3500	0	3500	ug/Kg	100		3		20 (47)	160 (128)	30 (20)
Phenanthrene	1800	0	1800	ug/Kg	100		0		70 (52)	130 (128)	30 (20)
Anthracene	1800	0	1800	ug/Kg	100		0		70 (62)	130 (124)	30 (20)
Carbazole	1800	0	1700	ug/Kg	94		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1800	0	1800	ug/Kg	100		0		70 (69)	130 (118)	30 (20)
Fluoranthene	1800	0	1700	ug/Kg	94		0		70 (44)	130 (125)	30 (20)
Pyrene	1800	0	1700	ug/Kg	94		0		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1800	0	2200	ug/Kg	122		0		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1800	0	970	ug/Kg	54	*	0		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1800	0	1900	ug/Kg	106		0		70 (71)	130 (114)	30 (20)
Chrysene	1800	0	1900	ug/Kg	106		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1800	0	2500	ug/Kg	139	*	0		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1800	0	2300	ug/Kg	128		0		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1800	0	1900	ug/Kg	106		0		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1800	0	1800	ug/Kg	100		6		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1800	0	2000	ug/Kg	111		0		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1800	0	1600	ug/Kg	89		5		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1800	0	1600	ug/Kg	89		5		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1800	0	1400	ug/Kg	78		6		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1800	0	1800	ug/Kg	100		0		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1800	0	1700	ug/Kg	94		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1800	0	1900	ug/Kg	106		0		70 (69)	130 (112)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8270E **DataFile:** BF139921.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164071BS	Benzaldehyde	1700	640	ug/Kg	38				20 (10)	160 (133)	
	Phenol	1700	1600	ug/Kg	94				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				70 (60)	130 (101)	
	2-Chlorophenol	1700	1700	ug/Kg	100				70 (65)	130 (112)	
	2-Methylphenol	1700	1700	ug/Kg	100				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				70 (51)	130 (100)	
	Acetophenone	1700	1600	ug/Kg	94				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1600	ug/Kg	94				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				70 (63)	130 (95)	
	Hexachloroethane	1700	1600	ug/Kg	94				20 (72)	160 (108)	
	Nitrobenzene	1700	1600	ug/Kg	94				70 (57)	130 (101)	
	Isophorone	1700	1700	ug/Kg	100				70 (59)	130 (99)	
	2-Nitrophenol	1700	1900	ug/Kg	112				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1900	ug/Kg	112				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				70 (62)	130 (107)	
	Naphthalene	1700	1600	ug/Kg	94				70 (62)	130 (100)	
	4-Chloroaniline	1700	670	ug/Kg	39		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				70 (53)	130 (98)	
	Caprolactam	1700	1700	ug/Kg	100				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	6200	ug/Kg	188		*		20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1600	ug/Kg	94				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				70 (58)	130 (99)	
	2-Nitroaniline	1700	1800	ug/Kg	106				70 (66)	130 (101)	
	Dimethylphthalate	1700	1700	ug/Kg	100				70 (61)	130 (99)	
	Acenaphthylene	1700	1700	ug/Kg	100				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				70 (61)	130 (104)	
	3-Nitroaniline	1700	1100	ug/Kg	65		*		70 (28)	130 (100)	
	Acenaphthene	1700	1800	ug/Kg	106				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	4200	ug/Kg	127				20 (37)	160 (128)	
	4-Nitrophenol	3300	3600	ug/Kg	109				20 (48)	160 (119)	
	Dibenzofuran	1700	1600	ug/Kg	94				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1900	ug/Kg	112				70 (60)	130 (106)	
	Diethylphthalate	1700	1600	ug/Kg	94				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				70 (58)	130 (98)	
	Fluorene	1700	1600	ug/Kg	94				70 (61)	130 (101)	
	4-Nitroaniline	1700	1700	ug/Kg	100				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	2400	ug/Kg	141		*		70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1700	ug/Kg	100				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1700	ug/Kg	100				70 (66)	130 (102)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8270E **DataFile:** BF139921.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164071BS	Hexachlorobenzene	1700	1700	ug/Kg	100				70 (64)	130 (98)	
	Atrazine	1700	1900	ug/Kg	112				70 (47)	130 (152)	
	Pentachlorophenol	3300	3400	ug/Kg	103				20 (67)	160 (105)	
	Phenanthrene	1700	1700	ug/Kg	100				70 (59)	130 (103)	
	Anthracene	1700	1700	ug/Kg	100				70 (61)	130 (105)	
	Carbazole	1700	1600	ug/Kg	94				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				70 (58)	130 (104)	
	Fluoranthene	1700	1600	ug/Kg	94				70 (57)	130 (107)	
	Pyrene	1700	1900	ug/Kg	112				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1900	ug/Kg	112				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1800	ug/Kg	106				70 (60)	130 (102)	
	Chrysene	1700	1800	ug/Kg	106				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	2000	ug/Kg	118				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	2000	ug/Kg	118				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1900	ug/Kg	112				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	2000	ug/Kg	118				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1900	ug/Kg	112				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1800	ug/Kg	106				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				70 (53)	130 (101)	
	1,4-Dioxane	1700	1300	ug/Kg	76				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				70 (59)	130 (108)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164071BL

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

Lab File ID: BF139920.D Lab Sample ID: PB164071BL

Instrument ID: BNA_F Date Extracted: 10/11/2024

Matrix: (soil/water) SOIL Date Analyzed: 10/22/2024

Level: (low/med) LOW Time Analyzed: 11:05

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164071BS	PB164071BS	BF139921.D	10/22/2024
SP-8	P4385-16	BF139945.D	10/22/2024
SP-9	P4385-18	BF139946.D	10/22/2024
SP-6	P4385-12	BF139947.D	10/23/2024
SP-5	P4385-10	BF139949.D	10/23/2024
SP-10	P4385-20	BF139982.D	10/23/2024
SP-7	P4385-14	BF139983.D	10/24/2024
SP-3MS	P4385-06MS	BF139902.D	10/21/2024
SP-3MSD	P4385-06MSD	BF139903.D	10/21/2024
SP-4	P4385-08	BF139936.D	10/22/2024
SP-2	P4385-04	BF139937.D	10/22/2024
SP-3	P4385-06	BF139938.D	10/22/2024
SP-1	P4385-02	BF139941.D	10/22/2024

COMMENTS:

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM SAS No.: P4385 SDG NO.: P4385

Lab File ID: BF139843.D DFTPP Injection Date: 10/18/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	46.9
197	Less than 2.0% of mass 198	0.8
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	26.9
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	93.1
443	15.0 - 24.0% of mass 442	17.9 (19.2) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF139844.D	10/18/2024	10:27
SSTDICC005	SSTDICC005	BF139845.D	10/18/2024	10:55
SSTDICC010	SSTDICC010	BF139846.D	10/18/2024	11:23
SSTDICC020	SSTDICC020	BF139847.D	10/18/2024	11:52
SSTDICCC040	SSTDICCC040	BF139848.D	10/18/2024	12:20
SSTDICC050	SSTDICC050	BF139849.D	10/18/2024	12:49
SSTDICC060	SSTDICC060	BF139850.D	10/18/2024	13:17
SSTDICC080	SSTDICC080	BF139851.D	10/18/2024	13:46

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM SAS No.: P4385 SDG NO.: P4385

Lab File ID: BF139891.D DFTPP Injection Date: 10/21/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.9
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	38.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	98.4
443	15.0 - 24.0% of mass 442	19 (19.4) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139892.D	10/21/2024	09:57
SP-3MS	P4385-06MS	BF139902.D	10/21/2024	14:47
SP-3MSD	P4385-06MSD	BF139903.D	10/21/2024	15:15

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM SAS No.: P4385 SDG NO.: P4385

Lab File ID: BF139916.D DFTPP Injection Date: 10/22/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.1
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	42.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.8
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139917.D	10/22/2024	09:39
PB164071BL	PB164071BL	BF139920.D	10/22/2024	11:05
PB164071BS	PB164071BS	BF139921.D	10/22/2024	11:34

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM SAS No.: P4385 SDG NO.: P4385

Lab File ID: BF139926.D DFTPP Injection Date: 10/22/2024

Instrument ID: BNA_F DFTPP Injection Time: 14:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.4
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	31
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	39.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.9
275	10.0 - 60.0% of mass 198	25.3
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139927.D	10/22/2024	14:28
SP-4	P4385-08	BF139936.D	10/22/2024	18:56
SP-2	P4385-04	BF139937.D	10/22/2024	19:25
SP-3	P4385-06	BF139938.D	10/22/2024	19:54
SP-1	P4385-02	BF139941.D	10/22/2024	21:20
SP-8	P4385-16	BF139945.D	10/22/2024	23:14
SP-9	P4385-18	BF139946.D	10/22/2024	23:43
SP-6	P4385-12	BF139947.D	10/23/2024	00:11
SP-5	P4385-10	BF139949.D	10/23/2024	01:08

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM SAS No.: P4385 SDG NO.: P4385

Lab File ID: BF139964.D DFTPP Injection Date: 10/23/2024

Instrument ID: BNA_F DFTPP Injection Time: 15:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.1
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	30.6
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	39
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.1
275	10.0 - 60.0% of mass 198	25.4
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139965.D	10/23/2024	15:30
SP-10	P4385-20	BF139982.D	10/23/2024	23:43
SP-7	P4385-14	BF139983.D	10/24/2024	00:11

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/21/2024

Lab File ID: BF139892.D Time Analyzed: 09:57

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	170135	6.892	645389	8.18	355580	9.93
	UPPER LIMIT	340270	7.392	1290780	8.675	711160	10.427
	LOWER LIMIT	85067.5	6.392	322695	7.675	177790	9.427
	EPA SAMPLE NO.						
01	SP-3MS	159111	6.89	617785	8.18	335465	9.93
02	SP-3MSD	163321	6.89	638402	8.18	343933	9.93

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/21/2024

Lab File ID: BF139892.D Time Analyzed: 09:57

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	607097	11.416	292847	14.057	323975	15.533
	UPPER LIMIT	1214190	11.916	585694	14.557	647950	16.033
	LOWER LIMIT	303549	10.916	146424	13.557	161988	15.033
	EPA SAMPLE NO.						
01	SP-3MS	563658	11.42	294671	14.06	343985	15.53
02	SP-3MSD	570576	11.42	298930	14.06	341306	15.53

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/22/2024

Lab File ID: BF139917.D Time Analyzed: 09:39

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	157034	6.892	594103	8.18	330233	9.93
	UPPER LIMIT	314068	7.392	1188210	8.675	660466	10.433
	LOWER LIMIT	78517	6.392	297052	7.675	165117	9.433
	EPA SAMPLE NO.						
01	PB164071BL	150261	6.89	593957	8.17	338069	9.93
02	PB164071BS	149304	6.89	587812	8.18	331508	9.93

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/22/2024

Lab File ID: BF139917.D Time Analyzed: 09:39

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	578135	11.416	280536	14.057	304746	15.533
	UPPER LIMIT	1156270	11.916	561072	14.557	609492	16.033
	LOWER LIMIT	289068	10.916	140268	13.557	152373	15.033
	EPA SAMPLE NO.						
01	PB164071BL	611789	11.41	390858	14.05	293996	15.53
02	PB164071BS	575136	11.42	270065	14.06	308770	15.53

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/22/2024

Lab File ID: BF139927.D Time Analyzed: 14:28

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	169434	6.893	628861	8.18	340877	9.93
	UPPER LIMIT	338868	7.393	1257720	8.675	681754	10.428
	LOWER LIMIT	84717	6.393	314431	7.675	170439	9.428
	EPA SAMPLE NO.						
01	SP-1	136890	6.89	521113	8.17	254785	9.92
02	SP-2	151716	6.89	581488	8.17	304861	9.92
03	SP-3	133976	6.89	526107	8.17	267934	9.92
04	SP-4	137459	6.89	530285	8.17	284175	9.92
05	SP-5	108490	6.89	354595	8.17	170918	9.93
06	SP-6	114279	6.89	384129	8.17	173441	9.93
07	SP-8	119007	6.89	400056	8.17	182483	9.93
08	SP-9	125462	6.89	412661	8.17	187614	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/22/2024

Lab File ID: BF139927.D Time Analyzed: 14:28

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	576195	11.416	272427	14.051	340524	15.533
	UPPER LIMIT	1152390	11.916	544854	14.551	681048	16.033
	LOWER LIMIT	288098	10.916	136214	13.551	170262	15.033
	EPA SAMPLE NO.						
01	SP-1	372133	11.41	303301	14.05	324928	15.53
02	SP-2	449838	11.41	325843	14.05	359851	15.53
03	SP-3	399571	11.41	295422	14.05	332333	15.53
04	SP-4	435012	11.41	296989	14.05	339367	15.53
05	SP-5	337324	11.41	293042	14.05	205540	15.53
06	SP-6	309030	11.41	295313	14.05	215288	15.53
07	SP-8	307887	11.41	297752	14.05	223198	15.53
08	SP-9	327445	11.41	323147	14.05	234771	15.53

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139965.D Time Analyzed: 15:30

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	159858	6.892	611382	8.18	340124	9.93
	UPPER LIMIT	319716	7.392	1222760	8.675	680248	10.428
	LOWER LIMIT	79929	6.392	305691	7.675	170062	9.428
	EPA SAMPLE NO.						
01	SP-7	123541	6.89	443226	8.17	204877	9.92
02	SP-10	133316	6.89	485669	8.17	228899	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139965.D Time Analyzed: 15:30

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	597021	11.416	306092	14.057	358871	15.533
	UPPER LIMIT	1194040	11.916	612184	14.557	717742	16.033
	LOWER LIMIT	298511	10.916	153046	13.557	179436	15.033
	EPA SAMPLE NO.						
01	SP-7	329287	11.41	309239	14.05	243467	15.53
02	SP-10	357369	11.41	325119	14.05	261481	15.53

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164071BL	SDG No.:	P4385
Lab Sample ID:	PB164071BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139920.D	1	10/11/24 09:38	10/22/24 11:05	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
108-95-2	Phenol	82.9	U	82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	170	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	83.0	U	83.0	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	170	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	170	ug/Kg
105-60-2	Caprolactam	86.8	U	86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.0	U	74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	170	ug/Kg
88-74-4	2-Nitroaniline	95.0	U	95.0	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	170	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164071BL	SDG No.:	P4385
Lab Sample ID:	PB164071BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139920.D	1	10/11/24 09:38	10/22/24 11:05	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	86.5	U	86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	170	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	85.0	U	85.0	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	170	ug/Kg
87-86-5	Pentachlorophenol	77.3	U	77.3	330	ug/Kg
85-01-8	Phenanthrene	84.0	U	84.0	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	170	ug/Kg
129-00-0	Pyrene	83.0	U	83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91.0	U	91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	170	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164071BL	SDG No.:	P4385
Lab Sample ID:	PB164071BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139920.D	1	10/11/24 09:38	10/22/24 11:05	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	135		30 (18) - 130 (112)	90%	SPK: 150
13127-88-3	Phenol-d6	132		30 (15) - 130 (107)	88%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.9		30 (18) - 130 (107)	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.6		30 (20) - 130 (109)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	150		30 (10) - 130 (116)	100%	SPK: 150
1718-51-0	Terphenyl-d14	90.0		30 (10) - 130 (105)	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	150000	6.892			
1146-65-2	Naphthalene-d8	594000	8.169			
15067-26-2	Acenaphthene-d10	338000	9.928			
1517-22-2	Phenanthrene-d10	612000	11.41			
1719-03-5	Chrysene-d12	391000	14.051			
1520-96-3	Perylene-d12	294000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	120	J		2.24	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	A		5.13	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.			Date Collected:	
Project:	Robbinsville			Date Received:	
Client Sample ID:	PB164071BL			SDG No.:	P4385
Lab Sample ID:	PB164071BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139920.D	1	10/11/24 09:38	10/22/24 11:05	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164071BS	SDG No.:	P4385
Lab Sample ID:	PB164071BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139921.D	1	10/11/24 09:38	10/22/24 11:34	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	640		180	330	ug/Kg
108-95-2	Phenol	1600		82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		83.6	170	ug/Kg
95-57-8	2-Chlorophenol	1700		83.4	170	ug/Kg
95-48-7	2-Methylphenol	1700		80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		90.8	170	ug/Kg
98-86-2	Acetophenone	1600		86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		82.9	170	ug/Kg
98-95-3	Nitrobenzene	1600		90.7	170	ug/Kg
78-59-1	Isophorone	1700		84.5	170	ug/Kg
88-75-5	2-Nitrophenol	1900		94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		75.4	170	ug/Kg
91-20-3	Naphthalene	1600		82.5	170	ug/Kg
106-47-8	4-Chloroaniline	670		82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	170	ug/Kg
105-60-2	Caprolactam	1700		86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6200	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		73.9	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.2	170	ug/Kg
88-74-4	2-Nitroaniline	1800		94.9	170	ug/Kg
131-11-3	Dimethylphthalate	1700		81.6	170	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164071BS	SDG No.:	P4385
Lab Sample ID:	PB164071BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139921.D	1	10/11/24 09:38	10/22/24 11:34	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1700		86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		83.1	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.1	170	ug/Kg
83-32-9	Acenaphthene	1800		81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	4200	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3600	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1600		84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		86.1	170	ug/Kg
84-66-2	Diethylphthalate	1600		80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.5	170	ug/Kg
86-73-7	Fluorene	1600		85.4	170	ug/Kg
100-01-6	4-Nitroaniline	1700		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2400		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		84.9	170	ug/Kg
1912-24-9	Atrazine	1900		91.3	170	ug/Kg
87-86-5	Pentachlorophenol	3400	E	77.2	330	ug/Kg
85-01-8	Phenanthrene	1700		83.9	170	ug/Kg
120-12-7	Anthracene	1700		84.3	170	ug/Kg
86-74-8	Carbazole	1600		80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.2	170	ug/Kg
206-44-0	Fluoranthene	1600		81.6	170	ug/Kg
129-00-0	Pyrene	1900		82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	1900		96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1800		80.6	170	ug/Kg
218-01-9	Chrysene	1800		79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81.0	170	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164071BS	SDG No.:	P4385
Lab Sample ID:	PB164071BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139921.D	1	10/11/24 09:38	10/22/24 11:34	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2000		78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		74.6	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	135		30 (18) - 130 (112)	90%	SPK: 150
13127-88-3	Phenol-d6	132		30 (15) - 130 (107)	88%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.9		30 (18) - 130 (107)	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.3		30 (20) - 130 (109)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		30 (10) - 130 (116)	103%	SPK: 150
1718-51-0	Terphenyl-d14	113		30 (10) - 130 (105)	113%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	149000	6.893			
1146-65-2	Naphthalene-d8	588000	8.175			
15067-26-2	Acenaphthene-d10	332000	9.934			
1517-22-2	Phenanthrene-d10	575000	11.416			
1719-03-5	Chrysene-d12	270000	14.057			
1520-96-3	Perylene-d12	309000	15.533			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3MS	SDG No.:	P4385
Lab Sample ID:	P4385-06MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139902.D	1	10/11/24 09:38	10/21/24 14:47	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	760		190	350	ug/Kg
108-95-2	Phenol	1900		88.1	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800		88.9	180	ug/Kg
95-57-8	2-Chlorophenol	1900		88.7	180	ug/Kg
95-48-7	2-Methylphenol	1900		85.6	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		96.6	180	ug/Kg
98-86-2	Acetophenone	1800		92.3	180	ug/Kg
65794-96-9	3+4-Methylphenols	1800		84.8	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		42.8	85.0	ug/Kg
67-72-1	Hexachloroethane	1800		88.2	180	ug/Kg
98-95-3	Nitrobenzene	1700		96.5	180	ug/Kg
78-59-1	Isophorone	1800		89.9	180	ug/Kg
88-75-5	2-Nitrophenol	2100		100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		99.0	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		91.1	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		80.2	180	ug/Kg
91-20-3	Naphthalene	1700		87.7	180	ug/Kg
106-47-8	4-Chloroaniline	370		87.7	180	ug/Kg
87-68-3	Hexachlorobutadiene	1700		88.5	180	ug/Kg
105-60-2	Caprolactam	1900		92.2	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		82.3	180	ug/Kg
91-57-6	2-Methylnaphthalene	1800		87.6	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5400	E	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		75.9	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		78.6	180	ug/Kg
92-52-4	1,1-Biphenyl	1800		92.8	180	ug/Kg
91-58-7	2-Chloronaphthalene	1800		88.5	180	ug/Kg
88-74-4	2-Nitroaniline	2000		100	180	ug/Kg
131-11-3	Dimethylphthalate	1900		86.8	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3MS	SDG No.:	P4385
Lab Sample ID:	P4385-06MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139902.D	1	10/11/24 09:38	10/21/24 14:47	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1900		91.9	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		88.4	180	ug/Kg
99-09-2	3-Nitroaniline	1100		94.8	180	ug/Kg
83-32-9	Acenaphthene	2000		86.2	180	ug/Kg
51-28-5	2,4-Dinitrophenol	4200	E	260	350	ug/Kg
100-02-7	4-Nitrophenol	3600	E	120	350	ug/Kg
132-64-9	Dibenzofuran	1800		89.7	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		91.6	180	ug/Kg
84-66-2	Diethylphthalate	1800		85.1	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		90.9	180	ug/Kg
86-73-7	Fluorene	1700		90.8	180	ug/Kg
100-01-6	4-Nitroaniline	1800		110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2400		120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		86.7	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		83.8	180	ug/Kg
118-74-1	Hexachlorobenzene	1800		90.3	180	ug/Kg
1912-24-9	Atrazine	2200		97.1	180	ug/Kg
87-86-5	Pentachlorophenol	3400	E	82.1	350	ug/Kg
85-01-8	Phenanthrene	1800		89.2	180	ug/Kg
120-12-7	Anthracene	1800		89.7	180	ug/Kg
86-74-8	Carbazole	1700		85.3	180	ug/Kg
84-74-2	Di-n-butylphthalate	1800		89.6	180	ug/Kg
206-44-0	Fluoranthene	1700		86.8	180	ug/Kg
129-00-0	Pyrene	1700		88.2	180	ug/Kg
85-68-7	Butylbenzylphthalate	2200		100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	970		100	350	ug/Kg
56-55-3	Benzo(a)anthracene	1900		85.7	180	ug/Kg
218-01-9	Chrysene	1900		84.5	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2500		96.7	180	ug/Kg
117-84-0	Di-n-octyl phthalate	2300		120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		86.2	180	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3MS	SDG No.:	P4385
Lab Sample ID:	P4385-06MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139902.D	1	10/11/24 09:38	10/21/24 14:47	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		87.7	180	ug/Kg
50-32-8	Benzo(a)pyrene	2000		98.8	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		83.0	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		86.3	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		85.1	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		92.2	180	ug/Kg
123-91-1	1,4-Dioxane	1700		120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		79.4	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	115		30 (18) - 130 (112)	77%	SPK: 150
13127-88-3	Phenol-d6	113		30 (15) - 130 (107)	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.1		30 (18) - 130 (107)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.1		30 (20) - 130 (109)	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		30 (10) - 130 (116)	81%	SPK: 150
1718-51-0	Terphenyl-d14	84.2		30 (10) - 130 (105)	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	159000	6.892			
1146-65-2	Naphthalene-d8	618000	8.175			
15067-26-2	Acenaphthene-d10	335000	9.927			
1517-22-2	Phenanthrene-d10	564000	11.416			
1719-03-5	Chrysene-d12	295000	14.057			
1520-96-3	Perylene-d12	344000	15.533			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3MSD	SDG No.:	P4385
Lab Sample ID:	P4385-06MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139903.D	1	10/11/24 09:38	10/21/24 15:15	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	780		190	350	ug/Kg
108-95-2	Phenol	1900		88.0	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		88.8	180	ug/Kg
95-57-8	2-Chlorophenol	1900		88.6	180	ug/Kg
95-48-7	2-Methylphenol	1900		85.5	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		96.4	180	ug/Kg
98-86-2	Acetophenone	1700		92.2	180	ug/Kg
65794-96-9	3+4-Methylphenols	1800		84.7	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		42.8	84.9	ug/Kg
67-72-1	Hexachloroethane	1800		88.1	180	ug/Kg
98-95-3	Nitrobenzene	1800		96.3	180	ug/Kg
78-59-1	Isophorone	1800		89.8	180	ug/Kg
88-75-5	2-Nitrophenol	2200		100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		98.9	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		91.0	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		80.1	180	ug/Kg
91-20-3	Naphthalene	1800		87.6	180	ug/Kg
106-47-8	4-Chloroaniline	340		87.6	180	ug/Kg
87-68-3	Hexachlorobutadiene	1800		88.4	180	ug/Kg
105-60-2	Caprolactam	1900		92.1	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		82.2	180	ug/Kg
91-57-6	2-Methylnaphthalene	1800		87.5	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5600	E	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		75.8	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		78.5	180	ug/Kg
92-52-4	1,1-Biphenyl	1800		92.7	180	ug/Kg
91-58-7	2-Chloronaphthalene	1800		88.4	180	ug/Kg
88-74-4	2-Nitroaniline	2000		100	180	ug/Kg
131-11-3	Dimethylphthalate	1900		86.7	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3MSD	SDG No.:	P4385
Lab Sample ID:	P4385-06MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139903.D	1	10/11/24 09:38	10/21/24 15:15	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1900		91.8	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		88.3	180	ug/Kg
99-09-2	3-Nitroaniline	1100		94.6	180	ug/Kg
83-32-9	Acenaphthene	2000		86.0	180	ug/Kg
51-28-5	2,4-Dinitrophenol	4400	E	260	350	ug/Kg
100-02-7	4-Nitrophenol	3700	E	120	350	ug/Kg
132-64-9	Dibenzofuran	1800		89.5	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		91.5	180	ug/Kg
84-66-2	Diethylphthalate	1800		85.0	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		90.8	180	ug/Kg
86-73-7	Fluorene	1700		90.7	180	ug/Kg
100-01-6	4-Nitroaniline	1800		110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2500		120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		86.6	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		83.7	180	ug/Kg
118-74-1	Hexachlorobenzene	1800		90.2	180	ug/Kg
1912-24-9	Atrazine	2200		97.0	180	ug/Kg
87-86-5	Pentachlorophenol	3500	E	82.0	350	ug/Kg
85-01-8	Phenanthrene	1800		89.1	180	ug/Kg
120-12-7	Anthracene	1800		89.5	180	ug/Kg
86-74-8	Carbazole	1700		85.2	180	ug/Kg
84-74-2	Di-n-butylphthalate	1800		89.4	180	ug/Kg
206-44-0	Fluoranthene	1700		86.7	180	ug/Kg
129-00-0	Pyrene	1700		88.1	180	ug/Kg
85-68-7	Butylbenzylphthalate	2200		100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	970		100	350	ug/Kg
56-55-3	Benzo(a)anthracene	1900		85.6	180	ug/Kg
218-01-9	Chrysene	1900		84.3	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2500		96.5	180	ug/Kg
117-84-0	Di-n-octyl phthalate	2300		120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		86.0	180	ug/Kg

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3MSD	SDG No.:	P4385
Lab Sample ID:	P4385-06MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139903.D	1	10/11/24 09:38	10/21/24 15:15	PB164071

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		87.6	180	ug/Kg
50-32-8	Benzo(a)pyrene	2000		98.7	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		82.9	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		86.1	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		85.0	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		92.1	180	ug/Kg
123-91-1	1,4-Dioxane	1700		120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		79.3	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	117		30 (18) - 130 (112)	78%	SPK: 150
13127-88-3	Phenol-d6	116		30 (15) - 130 (107)	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.2		30 (18) - 130 (107)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.0		30 (20) - 130 (109)	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		30 (10) - 130 (116)	82%	SPK: 150
1718-51-0	Terphenyl-d14	82.8		30 (10) - 130 (105)	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	163000	6.893			
1146-65-2	Naphthalene-d8	638000	8.175			
15067-26-2	Acenaphthene-d10	344000	9.928			
1517-22-2	Phenanthrene-d10	571000	11.416			
1719-03-5	Chrysene-d12	299000	14.057			
1520-96-3	Perylene-d12	341000	15.533			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF139844.D 5 =BF139845.D 10 =BF139846.D 20 =BF139847.D 40 =BF139848.D 50 =BF139849.D 60 =BF139850.D 80 =BF1398
51.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.651	0.625	0.603	0.591	0.571	0.581	0.548	0.596	5.74
3)		Pyridine		1.622	1.570	1.522	1.504	1.386	1.406	1.326	1.476	7.26
4)		n-Nitrosodimet...		0.815	0.800	0.799	0.806	0.782	0.794	0.757	0.793	2.39
5)	S	2-Fluorophenol		1.465	1.398	1.331	1.278	1.179	1.186	1.106	1.278	10.10
6)		Aniline		1.673	1.649	1.618	1.582	1.471	1.479	1.324	1.542	8.05
7)	S	Phenol-d6		1.900	1.818	1.709	1.647	1.538	1.539	1.432	1.655	10.06
8)		2-Chlorophenol		1.503	1.422	1.358	1.310	1.212	1.221	1.116	1.306	10.24
9)		Benzaldehyde			1.137	1.042	0.940	0.873	0.853	0.740	0.931	15.22
10)	C	Phenol		1.952	1.832	1.760	1.712	1.583	1.601	1.502	1.706	9.19
11)		bis(2-Chloroet...		1.470	1.423	1.359	1.294	1.251	1.249	1.183	1.319	7.82
12)		1,3-Dichlorobe...		1.718	1.656	1.544	1.499	1.392	1.391	1.294	1.499	10.19
13)	C	1,4-Dichlorobe...		1.723	1.641	1.558	1.487	1.392	1.391	1.291	1.498	10.19
14)		1,2-Dichlorobe...		1.660	1.579	1.478	1.379	1.273	1.267	1.149	1.398	13.15
15)		Benzyl Alcohol		1.355	1.299	1.257	1.213	1.154	1.146	1.071	1.214	8.07
16)		2,2'-oxybis(1-...		2.524	2.409	2.353	2.255	2.117	2.115	1.964	2.248	8.69
17)		2-Methylphenol		1.264	1.164	1.134	1.114	1.053	1.063	1.004	1.114	7.69
18)		Hexachloroethane		0.583	0.571	0.549	0.541	0.507	0.511	0.477	0.534	7.06
19)	P	n-Nitroso-di-n...	1.105	1.141	1.066	1.025	0.974	0.921	0.927	0.869	1.004	9.63
20)		3+4-Methylphenols		1.678	1.573	1.520	1.418	1.309	1.300	1.173	1.424	12.41
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.578	0.533	0.516	0.481	0.452	0.454	0.414	0.490	11.43
23)	S	Nitrobenzene-d5		0.365	0.365	0.372	0.371	0.354	0.357	0.342	0.361	2.92
24)		Nitrobenzene		0.417	0.402	0.408	0.403	0.383	0.388	0.370	0.396	4.10
25)		Isophorone		0.755	0.709	0.702	0.679	0.652	0.660	0.637	0.685	5.90
26)	C	2-Nitrophenol		0.124	0.137	0.150	0.157	0.158	0.161	0.157	0.149	9.22
27)		2,4-Dimethylph...		0.285	0.259	0.256	0.248	0.237	0.234	0.223	0.249	8.07
28)		bis(2-Chloroet...		0.468	0.440	0.432	0.412	0.394	0.390	0.369	0.415	8.22
29)	C	2,4-Dichloroph...		0.308	0.297	0.293	0.283	0.272	0.274	0.257	0.283	6.17
30)		1,2,4-Trichlor...		0.351	0.331	0.325	0.315	0.298	0.298	0.279	0.314	7.68
31)		Naphthalene		1.209	1.121	1.091	1.023	0.958	0.944	0.875	1.031	11.23
32)		Benzoic acid			0.175	0.207	0.220	0.231	0.235	0.235	0.217	10.69
33)		4-Chloroaniline		0.397	0.382	0.368	0.351	0.332	0.326	0.306	0.352	9.26
34)	C	Hexachlorobuta...		0.224	0.206	0.203	0.197	0.185	0.187	0.177	0.197	7.96
35)		Caprolactam		0.092	0.092	0.092	0.092	0.088	0.088	0.086	0.090	2.85
36)	C	4-Chloro-3-met...		0.341	0.328	0.324	0.315	0.299	0.303	0.287	0.314	6.03
37)		2-Methylnaphth...		0.740	0.689	0.666	0.621	0.587	0.583	0.537	0.632	11.11
38)		1-Methylnaphth...		0.726	0.683	0.655	0.612	0.569	0.567	0.526	0.620	11.55

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.609	0.579	0.562	0.537	0.512	0.506	0.472	0.540	8.72
41)	P	Hexachlorocycl...	0.185	0.193	0.198	0.198	0.186	0.185	0.169	0.188	5.28
42)	S	2,4,6-Tribromo...	0.201	0.196	0.193	0.188	0.179	0.180	0.173	0.187	5.47
43)	C	2,4,6-Trichlor...	0.405	0.382	0.400	0.387	0.363	0.383	0.354	0.382	4.80
44)		2,4,5-Trichlor...	0.426	0.425	0.398	0.401	0.381	0.369	0.359	0.394	6.58
45)	S	2-Fluorobiphenyl	1.512	1.396	1.280	1.162	1.088	1.060	0.973	1.210	16.05
46)		1,1'-Biphenyl	1.640	1.536	1.483	1.379	1.285	1.262	1.161	1.392	12.18
47)		2-Chloronaphth...	1.288	1.225	1.164	1.111	1.048	1.040	0.973	1.121	9.95
48)		2-Nitroaniline	0.299	0.318	0.353	0.365	0.354	0.362	0.349	0.343	7.20
49)		Acenaphthylene	1.854	1.756	1.717	1.615	1.507	1.505	1.394	1.621	10.06
50)		Dimethylphthalate	1.410	1.344	1.283	1.237	1.172	1.163	1.110	1.246	8.60
51)		2,6-Dinitrotol...	0.256	0.266	0.278	0.280	0.273	0.274	0.260	0.270	3.41
52)	C	Acenaphthene	1.200	1.136	1.089	1.044	0.977	0.983	0.913	1.049	9.55
53)		3-Nitroaniline	0.270	0.275	0.296	0.292	0.276	0.282	0.256	0.278	4.84
54)	P	2,4-Dinitrophenol		0.056	0.077	0.101	0.101	0.113	0.112	0.093	23.89
55)		Dibenzofuran	1.767	1.659	1.579	1.486	1.389	1.375	1.278	1.505	11.52
56)	P	4-Nitrophenol	0.187	0.207	0.225	0.232	0.219	0.220	0.208	0.214	6.84
57)		2,4-Dinitrotol...	0.280	0.314	0.337	0.356	0.344	0.351	0.338	0.332	7.94
58)		Fluorene	1.409	1.309	1.201	1.110	1.029	1.021	0.944	1.146	14.68
59)		2,3,4,6-Tetrac...	0.334	0.322	0.326	0.310	0.296	0.293	0.281	0.309	6.33
60)		Diethylphthalate	1.366	1.308	1.267	1.214	1.165	1.161	1.080	1.223	7.99
61)		4-Chlorophenyl...	0.698	0.638	0.617	0.569	0.526	0.520	0.484	0.579	13.14
62)		4-Nitroaniline	0.249	0.259	0.270	0.275	0.263	0.269	0.254	0.263	3.65
63)		Azobenzene	1.459	1.385	1.355	1.306	1.216	1.212	1.143	1.297	8.62
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.055	0.072	0.087	0.090	0.092	0.093	0.082	18.60
66)	c	n-Nitrosodiphe...	0.672	0.641	0.621	0.595	0.568	0.561	0.533	0.599	8.14
67)		4-Bromophenyl-...	0.230	0.217	0.211	0.202	0.197	0.196	0.189	0.206	6.98
68)		Hexachlorobenzene	0.258	0.245	0.237	0.231	0.217	0.221	0.212	0.232	7.20
69)		Atrazine	0.189	0.175	0.156	0.175	0.135	0.153	0.151	0.162	11.36
70)	C	Pentachlorophenol	0.118	0.137	0.148	0.152	0.145	0.144	0.140	0.141	8.04
71)		Phenanthrene	1.121	1.035	0.994	0.933	0.863	0.860	0.807	0.945	11.79
72)		Anthracene	1.082	1.014	0.972	0.913	0.851	0.833	0.787	0.922	11.53
73)		Carbazole	1.002	0.964	0.923	0.846	0.776	0.772	0.717	0.857	12.64
74)		Di-n-butylphth...	1.104	1.071	1.062	1.014	0.923	0.909	0.850	0.990	9.77
75)	C	Fluoranthene	1.149	1.108	1.036	0.943	0.842	0.835	0.772	0.955	15.34
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.457	0.461	0.293	0.366	0.276	0.203	0.246	0.329	30.86
78)		Pyrene	1.892	1.828	1.900	1.805	1.685	1.649	1.496	1.751	8.43
79)	S	Terphenyl-d14	1.381	1.335	1.340	1.244	1.154	1.121	1.018	1.227	10.96
80)		Butylbenzylpht...	0.490	0.513	0.536	0.555	0.535	0.531	0.514	0.525	3.99
81)		Benzo(a)anthra...	1.425	1.355	1.329	1.331	1.267	1.237	1.169	1.302	6.48
82)		3,3'-Dichlorob...	0.368	0.372	0.390	0.387	0.374	0.382	0.384	0.380	2.15
83)		Chrysene	1.325	1.244	1.234	1.167	1.134	1.151	1.101	1.194	6.52
84)		Bis(2-ethylhex...	0.520	0.539	0.577	0.626	0.620	0.626	0.614	0.589	7.48
85)	c	Di-n-octyl pht...		0.786	0.930	1.135	1.182	1.207	1.186	1.071	16.14

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.209	1.261	1.307	1.352	1.299	1.326	1.253	1.287	3.77
88)		Benzo(b)fluora...	1.317	1.240	1.319	1.196	1.105	1.239	1.111	1.218	7.15
89)		Benzo(k)fluora...	1.213	1.177	0.992	1.066	1.030	0.929	0.947	1.051	10.42
90)	C	Benzo(a)pyrene	1.030	1.024	1.018	1.025	0.974	0.999	0.947	1.002	3.12
91)		Dibenzo(a,h)an...	1.021	1.064	1.103	1.120	1.083	1.085	1.036	1.073	3.31
92)		Benzo(g,h,i)pe...	1.030	1.046	1.090	1.128	1.081	1.095	1.035	1.072	3.37

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date/Time: 10/21/2024 09:57

Lab File ID: BF139892.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.253		-2.0	
Benzaldehyde	0.931	0.814		-12.6	
Phenol-d6	1.655	1.618		-2.2	
Phenol	1.706	1.701		-0.3	20.0
bis(2-Chloroethyl)ether	1.319	1.298		-1.6	
2-Chlorophenol	1.306	1.302		-0.3	
2-Methylphenol	1.114	1.099		-1.3	
2,2-oxybis(1-Chloropropane)	2.248	2.201		-2.1	
Acetophenone	0.490	0.481		-1.8	
3+4-Methylphenols	1.424	1.398		-1.8	
n-Nitroso-di-n-propylamine	1.004	0.965	0.050	-3.9	
Nitrobenzene-d5	0.361	0.370		2.5	
Hexachloroethane	0.534	0.539		0.9	
Nitrobenzene	0.396	0.395		-0.3	
Isophorone	0.685	0.677		-1.2	
2-Nitrophenol	0.149	0.157		5.4	20.0
2,4-Dimethylphenol	0.249	0.243		-2.4	
bis(2-Chloroethoxy)methane	0.415	0.418		0.7	
2,4-Dichlorophenol	0.283	0.286		1.1	20.0
Naphthalene	1.031	1.026		-0.5	
4-Chloroaniline	0.352	0.354		0.6	
Hexachlorobutadiene	0.197	0.202		2.5	20.0
Caprolactam	0.090	0.085		-5.6	
4-Chloro-3-methylphenol	0.314	0.311		-1.0	20.0
2-Methylnaphthalene	0.632	0.627		-0.8	
Hexachlorocyclopentadiene	0.188	0.209	0.050	11.2	
2,4,6-Trichlorophenol	0.382	0.378		-1.0	20.0
2-Fluorobiphenyl	1.210	1.182		-2.3	
2,4,5-Trichlorophenol	0.394	0.415		5.3	
1,1-Biphenyl	1.392	1.400		0.6	
2-Chloronaphthalene	1.121	1.125		0.4	
2-Nitroaniline	0.343	0.354		3.2	
Dimethylphthalate	1.246	1.237		-0.7	
Acenaphthylene	1.621	1.614		-0.4	
2,6-Dinitrotoluene	0.270	0.275		1.9	
3-Nitroaniline	0.278	0.282		1.4	
Acenaphthene	1.049	1.050		0.1	20.0
2,4-Dinitrophenol	0.093	0.104	0.050	11.8	
4-Nitrophenol	0.214	0.218	0.050	1.9	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date/Time: 10/21/2024 09:57

Lab File ID: BF139892.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.506		0.1	
2,4-Dinitrotoluene	0.332	0.343		3.3	
Diethylphthalate	1.223	1.206		-1.4	
4-Chlorophenyl-phenylether	0.579	0.575		-0.7	
Fluorene	1.146	1.118		-2.4	
4-Nitroaniline	0.263	0.269		2.3	
4,6-Dinitro-2-methylphenol	0.082	0.091		11.0	
n-Nitrosodiphenylamine	0.599	0.601		0.3	20.0
2,4,6-Tribromophenol	0.187	0.195		4.3	
4-Bromophenyl-phenylether	0.206	0.215		4.4	
Hexachlorobenzene	0.232	0.240		3.4	
Atrazine	0.162	0.162		0.0	
Pentachlorophenol	0.141	0.155		9.9	20.0
Phenanthrene	0.945	0.931		-1.5	
Anthracene	0.922	0.920		-0.2	
Carbazole	0.857	0.827		-3.5	
Di-n-butylphthalate	0.990	0.946		-4.4	
Fluoranthene	0.955	0.907		-5.0	20.0
Pyrene	1.751	1.911		9.1	
Terphenyl-d14	1.227	1.303		6.2	
Butylbenzylphthalate	0.525	0.537		2.3	
3,3-Dichlorobenzidine	0.380	0.390		2.6	
Benzo(a)anthracene	1.302	1.326		1.8	
Chrysene	1.194	1.209		1.3	
Bis(2-ethylhexyl)phthalate	0.589	0.666		13.1	
Di-n-octyl phthalate	1.071	1.261		17.7	20.0
Benzo(b)fluoranthene	1.218	1.234		1.3	
Benzo(k)fluoranthene	1.051	0.938		-10.8	
Benzo(a)pyrene	1.002	1.009		0.7	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.495		16.2	
Dibenzo(a,h)anthracene	1.073	1.250		16.5	
Benzo(g,h,i)perylene	1.072	1.278		19.2	
1,2,4,5-Tetrachlorobenzene	0.540	0.552		2.2	
1,4-Dioxane	0.596	0.584		-2.0	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.313		1.3	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date/Time: 10/22/2024 09:39

Lab File ID: BF139917.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.261		-1.3	
Benzaldehyde	0.931	0.912		-2.0	
Phenol-d6	1.655	1.609		-2.8	
Phenol	1.706	1.663		-2.5	20.0
bis(2-Chloroethyl)ether	1.319	1.282		-2.8	
2-Chlorophenol	1.306	1.309		0.2	
2-Methylphenol	1.114	1.094		-1.8	
2,2-oxybis(1-Chloropropane)	2.248	2.110		-6.1	
Acetophenone	0.490	0.478		-2.4	
3+4-Methylphenols	1.424	1.403		-1.5	
n-Nitroso-di-n-propylamine	1.004	0.945	0.050	-5.9	
Nitrobenzene-d5	0.361	0.380		5.3	
Hexachloroethane	0.534	0.540		1.1	
Nitrobenzene	0.396	0.402		1.5	
Isophorone	0.685	0.670		-2.2	
2-Nitrophenol	0.149	0.173		16.1	20.0
2,4-Dimethylphenol	0.249	0.244		-2.0	
bis(2-Chloroethoxy)methane	0.415	0.406		-2.2	
2,4-Dichlorophenol	0.283	0.288		1.8	20.0
Naphthalene	1.031	1.032		0.1	
4-Chloroaniline	0.352	0.351		-0.3	
Hexachlorobutadiene	0.197	0.204		3.6	20.0
Caprolactam	0.090	0.089		-1.1	
4-Chloro-3-methylphenol	0.314	0.312		-0.6	20.0
2-Methylnaphthalene	0.632	0.628		-0.6	
Hexachlorocyclopentadiene	0.188	0.217	0.050	15.4	
2,4,6-Trichlorophenol	0.382	0.408		6.8	20.0
2-Fluorobiphenyl	1.210	1.182		-2.3	
2,4,5-Trichlorophenol	0.394	0.398		1.0	
1,1-Biphenyl	1.392	1.379		-0.9	
2-Chloronaphthalene	1.121	1.123		0.2	
2-Nitroaniline	0.343	0.368		7.3	
Dimethylphthalate	1.246	1.243		-0.2	
Acenaphthylene	1.621	1.606		-0.9	
2,6-Dinitrotoluene	0.270	0.288		6.7	
3-Nitroaniline	0.278	0.290		4.3	
Acenaphthene	1.049	1.063		1.3	20.0
2,4-Dinitrophenol	0.093	0.135	0.050	45.2	
4-Nitrophenol	0.214	0.236	0.050	10.3	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date/Time: 10/22/2024 09:39

Lab File ID: BF139917.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.486		-1.3	
2,4-Dinitrotoluene	0.332	0.383		15.4	
Diethylphthalate	1.223	1.207		-1.3	
4-Chlorophenyl-phenylether	0.579	0.588		1.6	
Fluorene	1.146	1.131		-1.3	
4-Nitroaniline	0.263	0.284		8.0	
4,6-Dinitro-2-methylphenol	0.082	0.110		34.1	
n-Nitrosodiphenylamine	0.599	0.590		-1.5	20.0
2,4,6-Tribromophenol	0.187	0.203		8.6	
4-Bromophenyl-phenylether	0.206	0.210		1.9	
Hexachlorobenzene	0.232	0.234		0.9	
Atrazine	0.162	0.167		3.1	
Pentachlorophenol	0.141	0.161		14.2	20.0
Phenanthrene	0.945	0.922		-2.4	
Anthracene	0.922	0.911		-1.2	
Carbazole	0.857	0.835		-2.6	
Di-n-butylphthalate	0.990	0.962		-2.8	
Fluoranthene	0.955	0.943		-1.3	20.0
Pyrene	1.751	1.947		11.2	
Terphenyl-d14	1.227	1.333		8.6	
Butylbenzylphthalate	0.525	0.554		5.5	
3,3-Dichlorobenzidine	0.380	0.418		10.0	
Benzo(a)anthracene	1.302	1.298		-0.3	
Chrysene	1.194	1.200		0.5	
Bis(2-ethylhexyl)phthalate	0.589	0.653		10.9	
Di-n-octyl phthalate	1.071	1.174		9.6	20.0
Benzo(b)fluoranthene	1.218	1.212		-0.5	
Benzo(k)fluoranthene	1.051	0.968		-7.9	
Benzo(a)pyrene	1.002	1.008		0.6	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.475		14.6	
Dibenzo(a,h)anthracene	1.073	1.220		13.7	
Benzo(g,h,i)perylene	1.072	1.265		18.0	
1,2,4,5-Tetrachlorobenzene	0.540	0.546		1.1	
1,4-Dioxane	0.596	0.558		-6.4	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.325		5.2	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date/Time: 10/22/2024 14:28

Lab File ID: BF139927.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.238		-3.1	
Benzaldehyde	0.931	0.957		2.8	
Phenol-d6	1.655	1.570		-5.1	
Phenol	1.706	1.639		-3.9	20.0
bis(2-Chloroethyl)ether	1.319	1.272		-3.6	
2-Chlorophenol	1.306	1.287		-1.5	
2-Methylphenol	1.114	1.070		-4.0	
2,2-oxybis(1-Chloropropane)	2.248	2.090		-7.0	
Acetophenone	0.490	0.474		-3.3	
3+4-Methylphenols	1.424	1.367		-4.0	
n-Nitroso-di-n-propylamine	1.004	0.934	0.050	-7.0	
Nitrobenzene-d5	0.361	0.377		4.4	
Hexachloroethane	0.534	0.531		-0.6	
Nitrobenzene	0.396	0.401		1.3	
Isophorone	0.685	0.658		-3.9	
2-Nitrophenol	0.149	0.178		19.5	20.0
2,4-Dimethylphenol	0.249	0.243		-2.4	
bis(2-Chloroethoxy)methane	0.415	0.406		-2.2	
2,4-Dichlorophenol	0.283	0.285		0.7	20.0
Naphthalene	1.031	1.017		-1.4	
4-Chloroaniline	0.352	0.346		-1.7	
Hexachlorobutadiene	0.197	0.204		3.6	20.0
Caprolactam	0.090	0.086		-4.4	
4-Chloro-3-methylphenol	0.314	0.306		-2.5	20.0
2-Methylnaphthalene	0.632	0.625		-1.1	
Hexachlorocyclopentadiene	0.188	0.217	0.050	15.4	
2,4,6-Trichlorophenol	0.382	0.396		3.7	20.0
2-Fluorobiphenyl	1.210	1.202		-0.7	
2,4,5-Trichlorophenol	0.394	0.423		7.4	
1,1-Biphenyl	1.392	1.411		1.4	
2-Chloronaphthalene	1.121	1.140		1.7	
2-Nitroaniline	0.343	0.368		7.3	
Dimethylphthalate	1.246	1.230		-1.3	
Acenaphthylene	1.621	1.627		0.4	
2,6-Dinitrotoluene	0.270	0.289		7.0	
3-Nitroaniline	0.278	0.287		3.2	
Acenaphthene	1.049	1.066		1.6	20.0
2,4-Dinitrophenol	0.093	0.132	0.050	41.9	
4-Nitrophenol	0.214	0.223	0.050	4.2	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date/Time: 10/22/2024 14:28

Lab File ID: BF139927.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.499		-0.4	
2,4-Dinitrotoluene	0.332	0.373		12.3	
Diethylphthalate	1.223	1.185		-3.1	
4-Chlorophenyl-phenylether	0.579	0.580		0.2	
Fluorene	1.146	1.117		-2.5	
4-Nitroaniline	0.263	0.268		1.9	
4,6-Dinitro-2-methylphenol	0.082	0.112		36.6	
n-Nitrosodiphenylamine	0.599	0.598		-0.2	20.0
2,4,6-Tribromophenol	0.187	0.201		7.5	
4-Bromophenyl-phenylether	0.206	0.216		4.9	
Hexachlorobenzene	0.232	0.239		3.0	
Atrazine	0.162	0.155		-4.3	
Pentachlorophenol	0.141	0.160		13.5	20.0
Phenanthrene	0.945	0.925		-2.1	
Anthracene	0.922	0.916		-0.7	
Carbazole	0.857	0.810		-5.5	
Di-n-butylphthalate	0.990	0.919		-7.2	
Fluoranthene	0.955	0.875		-8.5	20.0
Pyrene	1.751	1.852		5.8	
Terphenyl-d14	1.227	1.269		3.4	
Butylbenzylphthalate	0.525	0.539		2.7	
3,3-Dichlorobenzidine	0.380	0.452		18.9	
Benzo(a)anthracene	1.302	1.303		0.1	
Chrysene	1.194	1.167		-2.3	
Bis(2-ethylhexyl)phthalate	0.589	0.693		17.7	
Di-n-octyl phthalate	1.071	1.312		22.5	20.0
Benzo(b)fluoranthene	1.218	1.229		0.9	
Benzo(k)fluoranthene	1.051	0.899		-14.5	
Benzo(a)pyrene	1.002	1.008		0.6	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.437		11.7	
Dibenzo(a,h)anthracene	1.073	1.186		10.5	
Benzo(g,h,i)perylene	1.072	1.213		13.2	
1,2,4,5-Tetrachlorobenzene	0.540	0.557		3.1	
1,4-Dioxane	0.596	0.561		-5.9	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.321		3.9	

All other compounds must meet a minimum RRF of 0.010.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date/Time: 10/23/2024 15:30

Lab File ID: BF139965.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.233		-3.5	
Benzaldehyde	0.931	0.939		0.9	
Phenol-d6	1.655	1.579		-4.6	
Phenol	1.706	1.663		-2.5	20.0
bis(2-Chloroethyl)ether	1.319	1.273		-3.5	
2-Chlorophenol	1.306	1.291		-1.1	
2-Methylphenol	1.114	1.099		-1.3	
2,2-oxybis(1-Chloropropane)	2.248	2.018		-10.2	
Acetophenone	0.490	0.467		-4.7	
3+4-Methylphenols	1.424	1.388		-2.5	
n-Nitroso-di-n-propylamine	1.004	0.918	0.050	-8.6	
Nitrobenzene-d5	0.361	0.370		2.5	
Hexachloroethane	0.534	0.530		-0.7	
Nitrobenzene	0.396	0.391		-1.3	
Isophorone	0.685	0.651		-5.0	
2-Nitrophenol	0.149	0.175		17.5	20.0
2,4-Dimethylphenol	0.249	0.239		-4.0	
bis(2-Chloroethoxy)methane	0.415	0.397		-4.3	
2,4-Dichlorophenol	0.283	0.283		0.0	20.0
Naphthalene	1.031	1.011		-1.9	
4-Chloroaniline	0.352	0.340		-3.4	
Hexachlorobutadiene	0.197	0.199		1.0	20.0
Caprolactam	0.090	0.092		2.2	
4-Chloro-3-methylphenol	0.314	0.308		-1.9	20.0
2-Methylnaphthalene	0.632	0.618		-2.2	
Hexachlorocyclopentadiene	0.188	0.193	0.050	2.7	
2,4,6-Trichlorophenol	0.382	0.381		-0.3	20.0
2-Fluorobiphenyl	1.210	1.169		-3.4	
2,4,5-Trichlorophenol	0.394	0.415		5.3	
1,1-Biphenyl	1.392	1.351		-2.9	
2-Chloronaphthalene	1.121	1.097		-2.1	
2-Nitroaniline	0.343	0.369		7.6	
Dimethylphthalate	1.246	1.226		-1.6	
Acenaphthylene	1.621	1.588		-2.0	
2,6-Dinitrotoluene	0.270	0.289		7.0	
3-Nitroaniline	0.278	0.292		5.0	
Acenaphthene	1.049	1.051		0.2	20.0
2,4-Dinitrophenol	0.093	0.139	0.050	49.5	
4-Nitrophenol	0.214	0.228	0.050	6.5	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date/Time: 10/23/2024 15:30

Lab File ID: BF139965.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.458		-3.1	
2,4-Dinitrotoluene	0.332	0.379		14.2	
Diethylphthalate	1.223	1.211		-1.0	
4-Chlorophenyl-phenylether	0.579	0.574		-0.9	
Fluorene	1.146	1.118		-2.4	
4-Nitroaniline	0.263	0.280		6.5	
4,6-Dinitro-2-methylphenol	0.082	0.112		36.6	
n-Nitrosodiphenylamine	0.599	0.583		-2.7	20.0
2,4,6-Tribromophenol	0.187	0.204		9.1	
4-Bromophenyl-phenylether	0.206	0.211		2.4	
Hexachlorobenzene	0.232	0.234		0.9	
Atrazine	0.162	0.166		2.5	
Pentachlorophenol	0.141	0.157		11.3	20.0
Phenanthrene	0.945	0.920		-2.6	
Anthracene	0.922	0.894		-3.0	
Carbazole	0.857	0.815		-4.9	
Di-n-butylphthalate	0.990	0.956		-3.4	
Fluoranthene	0.955	0.893		-6.5	20.0
Pyrene	1.751	1.731		-1.1	
Terphenyl-d14	1.227	1.227		0.0	
Butylbenzylphthalate	0.525	0.540		2.9	
3,3-Dichlorobenzidine	0.380	0.447		17.6	
Benzo(a)anthracene	1.302	1.293		-0.7	
Chrysene	1.194	1.157		-3.1	
Bis(2-ethylhexyl)phthalate	0.589	0.666		13.1	
Di-n-octyl phthalate	1.071	1.198		11.9	20.0
Benzo(b)fluoranthene	1.218	1.083		-11.1	
Benzo(k)fluoranthene	1.051	1.048		-0.3	
Benzo(a)pyrene	1.002	0.978		-2.4	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.280		-0.5	
Dibenzo(a,h)anthracene	1.073	1.060		-1.2	
Benzo(g,h,i)perylene	1.072	1.053		-1.8	
1,2,4,5-Tetrachlorobenzene	0.540	0.540		0.0	
1,4-Dioxane	0.596	0.581		-2.5	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.324		4.9	

All other compounds must meet a minimum RRF of 0.010.

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LAB CHRONICLE

OrderID:	P4385	**OrderDate:**	10/10/2024 2:00:00 PM
Client:	Scheideler Excavating Co. Inc.	**Project:**	Robbinsville
Contact:	Jim Scheideler	**Location:**	K51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4385-02	**SP-1**	**SOIL**			**10/10/24**			**10/10/24**
			PCB	8082A		10/11/24	10/11/24	
			Pesticide-TCL	8081B		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-04	**SP-2**	**SOIL**			**10/10/24**			**10/10/24**
			PCB	8082A		10/11/24	10/11/24	
			Pesticide-TCL	8081B		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-06	**SP-3**	**SOIL**			**10/10/24**			**10/10/24**
			PCB	8082A		10/11/24	10/11/24	
			Pesticide-TCL	8081B		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-08	**SP-4**	**SOIL**			**10/10/24**			**10/10/24**
			PCB	8082A		10/11/24	10/11/24	
			Pesticide-TCL	8081B		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-10	**SP-5**	**SOIL**			**10/10/24**			**10/10/24**
			PCB	8082A		10/11/24	10/11/24	
			Pesticide-TCL	8081B		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-12	**SP-6**	**SOIL**			**10/10/24**			**10/10/24**
			PCB	8082A		10/11/24	10/11/24	
			Pesticide-TCL	8081B		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-14	**SP-7**	**SOIL**			**10/10/24**			**10/10/24**
			PCB	8082A		10/11/24	10/11/24	

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LAB CHRONICLE

			Pesticide-TCL	8081B		10/11/24	10/11/24
			EPH_NF	NJEPH		10/11/24	10/11/24
P4385-16	**SP-8**	**SOIL**			**10/10/24**		**10/10/24**
			PCB	8082A		10/11/24	10/11/24
			Pesticide-TCL	8081B		10/11/24	10/11/24
			EPH_NF	NJEPH		10/11/24	10/11/24
P4385-18	**SP-9**	**SOIL**			**10/10/24**		**10/10/24**
			PCB	8082A		10/11/24	10/11/24
			Pesticide-TCL	8081B		10/11/24	10/11/24
			EPH_NF	NJEPH		10/11/24	10/11/24
P4385-20	**SP-10**	**SOIL**			**10/10/24**		**10/10/24**
			PCB	8082A		10/11/24	10/11/24
			Pesticide-TCL	8081B		10/11/24	10/11/24
			EPH_NF	NJEPH		10/11/24	10/11/24

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Hit Summary Sheet
SW-846

SDG No.: P4385 **Order ID:** P4385

Client: Scheideler Excavating Co. Inc. **Project ID:** Robbinsville

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SP-1								
P4385-02	SP-1	SOIL	Dieldrin	0.48	J	0.16	1.80	ug/kg
P4385-02	SP-1	SOIL	4,4-DDE	12.9		0.14	1.80	ug/kg
P4385-02	SP-1	SOIL	4,4-DDD	1.80		0.20	1.80	ug/kg
P4385-02	SP-1	SOIL	4,4-DDT	10.7		0.18	1.80	ug/kg
			Total Concentration:	**25.880**				
Client ID : SP-2								
P4385-04	SP-2	SOIL	Dieldrin	0.94	J	0.16	1.80	ug/kg
P4385-04	SP-2	SOIL	4,4-DDE	30.6		0.14	1.80	ug/kg
P4385-04	SP-2	SOIL	4,4-DDD	4.00		0.20	1.80	ug/kg
P4385-04	SP-2	SOIL	4,4-DDT	26.0		0.18	1.80	ug/kg
			Total Concentration:	**61.540**				
Client ID : SP-3								
P4385-06	SP-3	SOIL	Dieldrin	0.80	J	0.16	1.80	ug/kg
P4385-06	SP-3	SOIL	4,4-DDE	23.0		0.14	1.80	ug/kg
P4385-06	SP-3	SOIL	4,4-DDD	4.30		0.20	1.80	ug/kg
P4385-06	SP-3	SOIL	4,4-DDT	19.7		0.18	1.80	ug/kg
			Total Concentration:	**47.800**				
Client ID : SP-4								
P4385-08	SP-4	SOIL	Dieldrin	0.26	JP	0.15	1.70	ug/kg
P4385-08	SP-4	SOIL	4,4-DDE	5.60		0.13	1.70	ug/kg
P4385-08	SP-4	SOIL	4,4-DDD	0.95	JP	0.19	1.70	ug/kg
P4385-08	SP-4	SOIL	4,4-DDT	6.70		0.17	1.70	ug/kg
			Total Concentration:	**13.510**				
Client ID : SP-5								
P4385-10	SP-5	SOIL	4,4-DDE	8.20		0.14	1.80	ug/kg
P4385-10	SP-5	SOIL	4,4-DDD	0.73	J	0.20	1.80	ug/kg
P4385-10	SP-5	SOIL	4,4-DDT	5.40		0.18	1.80	ug/kg
			Total Concentration:	**14.330**				
Client ID : SP-6								
P4385-12	SP-6	SOIL	Dieldrin	0.54	J	0.16	1.80	ug/kg
P4385-12	SP-6	SOIL	4,4-DDE	12.7		0.14	1.80	ug/kg
P4385-12	SP-6	SOIL	4,4-DDD	1.90		0.20	1.80	ug/kg
P4385-12	SP-6	SOIL	4,4-DDT	12.7		0.18	1.80	ug/kg
P4385-12	SP-6	SOIL	alpha-Chlordane	0.23	J	0.18	1.80	ug/kg

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P4385 **Order ID:** P4385

Client: Scheideler Excavating Co. Inc. **Project ID:** Robbinsville

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Concentration:	**28.070**				
Client ID :	**SP-7**							
P4385-14	SP-7	SOIL	4,4-DDE	10.0		0.14	1.80	ug/kg
P4385-14	SP-7	SOIL	4,4-DDD	1.20	J	0.20	1.80	ug/kg
P4385-14	SP-7	SOIL	4,4-DDT	5.10		0.18	1.80	ug/kg
P4385-14	SP-7	SOIL	alpha-Chlordane	0.67	JP	0.18	1.80	ug/kg
P4385-14	SP-7	SOIL	gamma-Chlordane	0.27	J	0.20	1.80	ug/kg
			Total Concentration:	**17.240**				
Client ID :	**SP-8**							
P4385-16	SP-8	SOIL	4,4-DDE	10.1		0.14	1.80	ug/kg
P4385-16	SP-8	SOIL	4,4-DDD	0.92	J	0.20	1.80	ug/kg
P4385-16	SP-8	SOIL	4,4-DDT	5.60		0.18	1.80	ug/kg
P4385-16	SP-8	SOIL	alpha-Chlordane	0.57	JP	0.18	1.80	ug/kg
P4385-16	SP-8	SOIL	gamma-Chlordane	0.20	J	0.20	1.80	ug/kg
			Total Concentration:	**17.390**				
Client ID :	**SP-9**							
P4385-18	SP-9	SOIL	Heptachlor epoxide	0.55	JP	0.25	1.80	ug/kg
P4385-18	SP-9	SOIL	Dieldrin	1.80	P	0.16	1.80	ug/kg
P4385-18	SP-9	SOIL	4,4-DDE	14.9	P	0.14	1.80	ug/kg
P4385-18	SP-9	SOIL	4,4-DDD	5.40	P	0.20	1.80	ug/kg
P4385-18	SP-9	SOIL	4,4-DDT	13.5		0.18	1.80	ug/kg
P4385-18	SP-9	SOIL	alpha-Chlordane	0.98	JP	0.18	1.80	ug/kg
P4385-18	SP-9	SOIL	gamma-Chlordane	0.87	J	0.20	1.80	ug/kg
			Total Concentration:	**38.000**				
Client ID :	**SP-10**							
P4385-20	SP-10	SOIL	4,4-DDE	10.4		0.14	1.80	ug/kg
P4385-20	SP-10	SOIL	4,4-DDD	0.98	J	0.20	1.80	ug/kg
P4385-20	SP-10	SOIL	4,4-DDT	6.00		0.18	1.80	ug/kg
P4385-20	SP-10	SOIL	alpha-Chlordane	0.72	JP	0.18	1.80	ug/kg
P4385-20	SP-10	SOIL	gamma-Chlordane	0.38	JP	0.20	1.80	ug/kg
			Total Concentration:	**18.480**				

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092334.D	1	10/11/24 09:00	10/11/24 14:04	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.19	U	0.19	1.80	ug/kg
319-85-7	beta-BHC	0.52	U	0.52	1.80	ug/kg
319-86-8	delta-BHC	0.50	U	0.50	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.20	U	0.20	1.80	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	1.80	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	1.80	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	1.80	ug/kg
60-57-1	Dieldrin	0.48	J	0.16	1.80	ug/kg
72-55-9	4,4-DDE	12.9		0.14	1.80	ug/kg
72-20-8	Endrin	0.17	U	0.17	1.80	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.80	ug/kg
72-54-8	4,4-DDD	1.80		0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	10.7		0.18	1.80	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.80	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.18	U	0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.20	U	0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.60	U	5.60	35.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.6		30 (10) - 150 (148)	63%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.2		30 (10) - 150 (159)	66%	SPK: 20

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092334.D	1	10/11/24 09:00	10/11/24 14:04	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092335.D	1	10/11/24 09:00	10/11/24 14:17	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.19	U	0.19	1.80	ug/kg
319-85-7	beta-BHC	0.51	U	0.51	1.80	ug/kg
319-86-8	delta-BHC	0.49	U	0.49	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.20	U	0.20	1.80	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	1.80	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	1.80	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	1.80	ug/kg
60-57-1	Dieldrin	0.94	J	0.16	1.80	ug/kg
72-55-9	4,4-DDE	30.6		0.14	1.80	ug/kg
72-20-8	Endrin	0.17	U	0.17	1.80	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.80	ug/kg
72-54-8	4,4-DDD	4.00		0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	26.0		0.18	1.80	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.80	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.18	U	0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.20	U	0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.50	U	5.50	34.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.7		30 (10) - 150 (148)	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.1		30 (10) - 150 (159)	101%	SPK: 20

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092335.D	1	10/11/24 09:00	10/11/24 14:17	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	94.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092343.D	1	10/11/24 09:00	10/11/24 16:32	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.19	U	0.19	1.80	ug/kg
319-85-7	beta-BHC	0.52	U	0.52	1.80	ug/kg
319-86-8	delta-BHC	0.50	U	0.50	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.20	U	0.20	1.80	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	1.80	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	1.80	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	1.80	ug/kg
60-57-1	Dieldrin	0.80	J	0.16	1.80	ug/kg
72-55-9	4,4-DDE	23.0		0.14	1.80	ug/kg
72-20-8	Endrin	0.17	U	0.17	1.80	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.80	ug/kg
72-54-8	4,4-DDD	4.30		0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	19.7		0.18	1.80	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.80	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.18	U	0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.20	U	0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.50	U	5.50	35.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.1		30 (10) - 150 (148)	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		30 (10) - 150 (159)	100%	SPK: 20

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	94.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092343.D	1	10/11/24 09:00	10/11/24 16:32	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-08	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	99.1 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092338.D	1	10/11/24 09:00	10/11/24 14:58	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.49	U	0.49	1.70	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.26	JP	0.15	1.70	ug/kg
72-55-9	4,4-DDE	5.60		0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.70	ug/kg
72-54-8	4,4-DDD	0.95	JP	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	6.70		0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.38	U	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.17	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.30	U	5.30	33.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.3		30 (10) - 150 (148)	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		30 (10) - 150 (159)	104%	SPK: 20

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-08	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	99.1 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092338.D	1	10/11/24 09:00	10/11/24 14:58	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092339.D	1	10/11/24 09:00	10/11/24 15:11	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.19	U	0.19	1.80	ug/kg
319-85-7	beta-BHC	0.52	U	0.52	1.80	ug/kg
319-86-8	delta-BHC	0.50	U	0.50	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.20	U	0.20	1.80	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	1.80	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	1.80	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	1.80	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.80	ug/kg
72-55-9	4,4-DDE	8.20		0.14	1.80	ug/kg
72-20-8	Endrin	0.17	U	0.17	1.80	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.80	ug/kg
72-54-8	4,4-DDD	0.73	J	0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	5.40		0.18	1.80	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.80	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.18	U	0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.20	U	0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.60	U	5.60	35.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.3		30 (10) - 150 (148)	67%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.6		30 (10) - 150 (159)	63%	SPK: 20

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092339.D	1	10/11/24 09:00	10/11/24 15:11	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-12	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092345.D	1	10/11/24 09:00	10/11/24 17:18	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.19	U	0.19	1.80	ug/kg
319-85-7	beta-BHC	0.53	U	0.53	1.80	ug/kg
319-86-8	delta-BHC	0.50	U	0.50	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.20	U	0.20	1.80	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	1.80	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	1.80	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	1.80	ug/kg
60-57-1	Dieldrin	0.54	J	0.16	1.80	ug/kg
72-55-9	4,4-DDE	12.7		0.14	1.80	ug/kg
72-20-8	Endrin	0.17	U	0.17	1.80	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.80	ug/kg
72-54-8	4,4-DDD	1.90		0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	12.7		0.18	1.80	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.80	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.23	J	0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.20	U	0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.60	U	5.60	35.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.7		30 (10) - 150 (148)	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		30 (10) - 150 (159)	100%	SPK: 20

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-12	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092345.D	1	10/11/24 09:00	10/11/24 17:18	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.8 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092340.D	1	10/11/24 09:00	10/11/24 15:25	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.19	U	0.19	1.80	ug/kg
319-85-7	beta-BHC	0.52	U	0.52	1.80	ug/kg
319-86-8	delta-BHC	0.50	U	0.50	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.20	U	0.20	1.80	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	1.80	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	1.80	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	1.80	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.80	ug/kg
72-55-9	4,4-DDE	10.0		0.14	1.80	ug/kg
72-20-8	Endrin	0.17	U	0.17	1.80	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.80	ug/kg
72-54-8	4,4-DDD	1.20	J	0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	5.10		0.18	1.80	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.80	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.67	JP	0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.27	J	0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.60	U	5.60	35.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.2		30 (10) - 150 (148)	71%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.0		30 (10) - 150 (159)	70%	SPK: 20

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.8 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092340.D	1	10/11/24 09:00	10/11/24 15:25	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	94.3 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092341.D	1	10/11/24 09:00	10/11/24 15:38	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.19	U	0.19	1.80	ug/kg
319-85-7	beta-BHC	0.52	U	0.52	1.80	ug/kg
319-86-8	delta-BHC	0.50	U	0.50	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.20	U	0.20	1.80	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	1.80	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	1.80	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	1.80	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.80	ug/kg
72-55-9	4,4-DDE	10.1		0.14	1.80	ug/kg
72-20-8	Endrin	0.17	U	0.17	1.80	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.80	ug/kg
72-54-8	4,4-DDD	0.92	J	0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	5.60		0.18	1.80	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.80	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.57	JP	0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.20	J	0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.50	U	5.50	34.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.7		30 (10) - 150 (148)	69%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.3		30 (10) - 150 (159)	66%	SPK: 20

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	94.3 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092341.D	1	10/11/24 09:00	10/11/24 15:38	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092344.D	1	10/11/24 09:00	10/11/24 16:59	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.19	U	0.19	1.80	ug/kg
319-85-7	beta-BHC	0.52	U	0.52	1.80	ug/kg
319-86-8	delta-BHC	0.50	U	0.50	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.20	U	0.20	1.80	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	1.80	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.55	JP	0.25	1.80	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	1.80	ug/kg
60-57-1	Dieldrin	1.80	P	0.16	1.80	ug/kg
72-55-9	4,4-DDE	14.9	P	0.14	1.80	ug/kg
72-20-8	Endrin	0.17	U	0.17	1.80	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.80	ug/kg
72-54-8	4,4-DDD	5.40	P	0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	13.5		0.18	1.80	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.80	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.98	JP	0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.87	J	0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.60	U	5.60	35.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.5		30 (10) - 150 (148)	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		30 (10) - 150 (159)	100%	SPK: 20

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092344.D	1	10/11/24 09:00	10/11/24 16:59	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	94.4 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092342.D	1	10/11/24 09:00	10/11/24 15:52	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.19	U	0.19	1.80	ug/kg
319-85-7	beta-BHC	0.52	U	0.52	1.80	ug/kg
319-86-8	delta-BHC	0.50	U	0.50	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.20	U	0.20	1.80	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	1.80	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	1.80	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	1.80	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.80	ug/kg
72-55-9	4,4-DDE	10.4		0.14	1.80	ug/kg
72-20-8	Endrin	0.17	U	0.17	1.80	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.80	ug/kg
72-54-8	4,4-DDD	0.98	J	0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	6.00		0.18	1.80	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.80	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.72	JP	0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.38	JP	0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.50	U	5.50	34.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.2		30 (10) - 150 (148)	71%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.4		30 (10) - 150 (159)	67%	SPK: 20

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	94.4 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092342.D	1	10/11/24 09:00	10/11/24 15:52	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

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Surrogate Summary

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL091953.D	PIBLK-PL091953.D	Decachlorobiphenyl	1	20	19.6	98		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.0	95		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	18.7	94		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	18.3	92		30 (77)	150 (126)
I.BLK-PL092329.D	PIBLK-PL092329.D	Decachlorobiphenyl	1	20	23.8	119		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.3	107		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.1	110		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.6	103		30 (77)	150 (126)
PB164067BL	PB164067BL	Decachlorobiphenyl	1	20	19.6	98		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	19.0	95		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	19.6	98		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	18.1	90		30 (10)	150 (159)
PB164067BS	PB164067BS	Decachlorobiphenyl	1	20	22.0	110		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	20.7	103		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	21.3	106		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	19.9	100		30 (10)	150 (159)
P4385-02	SP-1	Decachlorobiphenyl	1	20	12.6	63		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	13.2	66		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	11.8	59		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	12.9	64		30 (10)	150 (159)
P4385-04	SP-2	Decachlorobiphenyl	1	20	19.7	98		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	20.0	100		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	18.0	90		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	20.1	101		30 (10)	150 (159)
P4385-04MS	SP-2MS	Decachlorobiphenyl	1	20	16.9	85		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	16.4	82		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	15.7	78		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	16.3	81		30 (10)	150 (159)
P4385-04MSD	SP-2MSD	Decachlorobiphenyl	1	20	16.8	84		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	16.6	83		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	15.6	78		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	15.9	79		30 (10)	150 (159)
P4385-08	SP-4	Decachlorobiphenyl	1	20	21.3	106		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	20.9	104		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	20.0	100		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	20.4	102		30 (10)	150 (159)
P4385-10	SP-5	Decachlorobiphenyl	1	20	13.3	67		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	12.6	63		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	12.8	64		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	12.1	60		30 (10)	150 (159)
P4385-14	SP-7	Decachlorobiphenyl	1	20	14.2	71		30 (10)	150 (148)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
P4385-14	SP-7	Tetrachloro-m-xylene	1	20	14.0	70		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	13.3	66		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	13.1	65		30 (10)	150 (159)
P4385-16	SP-8	Decachlorobiphenyl	1	20	13.7	69		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	13.3	66		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	12.2	61		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	12.5	62		30 (10)	150 (159)
P4385-20	SP-10	Decachlorobiphenyl	1	20	14.2	71		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	13.4	67		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	12.8	64		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	13.1	66		30 (10)	150 (159)
P4385-06	SP-3	Decachlorobiphenyl	1	20	19.1	95		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	20.0	100		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	17.3	86		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	19.5	97		30 (10)	150 (159)
P4385-18	SP-9	Decachlorobiphenyl	1	20	19.5	97		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	20.0	100		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	17.3	86		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	19.7	99		30 (10)	150 (159)
P4385-12	SP-6	Decachlorobiphenyl	1	20	18.7	93		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	20.0	100		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	16.4	82		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	19.5	98		30 (10)	150 (159)
I.BLK-PL092346.D	PIBLK-PL092346.D	Decachlorobiphenyl	1	20	21.1	105		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.4	107		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	19.7	99		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.2	106		30 (77)	150 (126)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8081B **DataFile :** PL092336.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**SP-2MS**											
P4385-04MS	alpha-BHC	17.5	0	15.6	ug/kg	89				30 (60)	150 (144)	
	beta-BHC	17.5	0	16.0	ug/kg	91				30 (54)	150 (143)	
	delta-BHC	17.5	0	14.7	ug/kg	84				30 (47)	150 (144)	
	gamma-BHC (Lindane)	17.5	0	15.2	ug/kg	87				30 (61)	150 (140)	
	Heptachlor	17.5	0	16.0	ug/kg	91				30 (63)	150 (135)	
	Aldrin	17.5	0	15.3	ug/kg	87				30 (49)	150 (139)	
	Heptachlor epoxide	17.5	0	15.5	ug/kg	89				30 (32)	150 (180)	
	Endosulfan I	17.5	0	15.6	ug/kg	89				30 (56)	150 (142)	
	Dieldrin	17.5	0.94	16.7	ug/kg	90				30 (47)	150 (161)	
	4,4'-DDE	17.5	30.6	43.0	ug/kg	71				30 (55)	150 (136)	
	Endrin	17.5	0	16.9	ug/kg	97				30 (57)	150 (139)	
	Endosulfan II	17.5	0	16.0	ug/kg	91				30 (40)	150 (163)	
	4,4'-DDD	17.5	4	19.2	ug/kg	87				30 (37)	150 (192)	
	Endosulfan sulfate	17.5	0	16.1	ug/kg	92				30 (62)	150 (139)	
	4,4'-DDT	17.5	26	39.9	ug/kg	79				30 (51)	150 (146)	
	Methoxychlor	17.5	0	16.3	ug/kg	93				30 (54)	150 (136)	
	Endrin ketone	17.5	0	21.2	ug/kg	121				30 (60)	150 (129)	
	Endrin aldehyde	17.5	0	16.3	ug/kg	93				30 (59)	150 (132)	
	alpha-Chlordane	17.5	0	15.9	ug/kg	91				30 (30)	150 (192)	
	gamma-Chlordane	17.5	0	16.4	ug/kg	94				30 (44)	150 (175)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8081B **DataFile :** PL092337.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**SP-2MSD**											
P4385-04MSD	alpha-BHC	17.51	0	15.5	ug/kg	89		0		30 (60)	150 (144)	30 (20)
	beta-BHC	17.51	0	15.8	ug/kg	90		1		30 (54)	150 (143)	30 (20)
	delta-BHC	17.51	0	14.6	ug/kg	83		1		30 (47)	150 (144)	30 (20)
	gamma-BHC (Lindane)	17.51	0	15.1	ug/kg	86		1		30 (61)	150 (140)	30 (20)
	Heptachlor	17.51	0	15.9	ug/kg	91		0		30 (63)	150 (135)	30 (20)
	Aldrin	17.51	0	15.2	ug/kg	87		0		30 (49)	150 (139)	30 (20)
	Heptachlor epoxide	17.51	0	15.5	ug/kg	89		0		30 (32)	150 (180)	30 (20)
	Endosulfan I	17.51	0	15.5	ug/kg	89		0		30 (56)	150 (142)	30 (20)
	Dieldrin	17.51	0.94	16.6	ug/kg	89		1		30 (47)	150 (161)	30 (20)
	4,4'-DDE	17.51	30.6	43.3	ug/kg	73		3		30 (55)	150 (136)	30 (20)
	Endrin	17.51	0	16.8	ug/kg	96		1		30 (57)	150 (139)	30 (20)
	Endosulfan II	17.51	0	16.0	ug/kg	91		0		30 (40)	150 (163)	30 (20)
	4,4'-DDD	17.51	4	18.9	ug/kg	85		2		30 (37)	150 (192)	30 (20)
	Endosulfan sulfate	17.51	0	16.1	ug/kg	92		0		30 (62)	150 (139)	30 (20)
	4,4'-DDT	17.51	26	39.7	ug/kg	78		1		30 (51)	150 (146)	30 (20)
	Methoxychlor	17.51	0	16.2	ug/kg	93		0		30 (54)	150 (136)	30 (20)
	Endrin ketone	17.51	0	22.6	ug/kg	129		6		30 (60)	150 (129)	30 (20)
	Endrin aldehyde	17.51	0	16.2	ug/kg	93		0		30 (59)	150 (132)	30 (20)
	alpha-Chlordane	17.51	0	15.9	ug/kg	91		0		30 (30)	150 (192)	30 (20)
	gamma-Chlordane	17.51	0	16.2	ug/kg	93		1		30 (44)	150 (175)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8081B **Datafile :** PL092332.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164067BS	alpha-BHC	16.66	16.8	ug/kg	101				40 (84)	140 (123)	
	beta-BHC	16.66	16.8	ug/kg	101				40 (82)	140 (123)	
	delta-BHC	16.66	16.4	ug/kg	98				40 (83)	140 (126)	
	gamma-BHC (Lindane)	16.66	16.2	ug/kg	97				40 (83)	140 (125)	
	Heptachlor	16.66	16.7	ug/kg	100				40 (83)	140 (122)	
	Aldrin	16.66	16.2	ug/kg	97				40 (82)	140 (124)	
	Heptachlor epoxide	16.66	17.3	ug/kg	104				40 (83)	140 (120)	
	Endosulfan I	16.66	17.2	ug/kg	103				40 (81)	140 (124)	
	Dieldrin	16.66	17.3	ug/kg	104				40 (85)	140 (121)	
	4,4'-DDE	16.66	17.6	ug/kg	106				40 (81)	140 (123)	
	Endrin	16.66	16.3	ug/kg	98				40 (76)	140 (130)	
	Endosulfan II	16.66	17.5	ug/kg	105				40 (80)	140 (125)	
	4,4'-DDD	16.66	18.9	ug/kg	113				40 (80)	140 (131)	
	Endosulfan sulfate	16.66	17.1	ug/kg	103				40 (81)	140 (122)	
	4,4'-DDT	16.66	16.2	ug/kg	97				40 (70)	140 (129)	
	Methoxychlor	16.66	16.3	ug/kg	98				40 (60)	140 (119)	
	Endrin ketone	16.66	17.4	ug/kg	104				40 (77)	140 (132)	
	Endrin aldehyde	16.66	16.6	ug/kg	100				40 (79)	140 (124)	
	alpha-Chlordane	16.66	17.2	ug/kg	103				40 (84)	140 (120)	
	gamma-Chlordane	16.66	17.4	ug/kg	104				40 (83)	140 (122)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164067BL

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

Lab Sample ID: PB164067BL Lab File ID: PL092331.D

Matrix: (soil/water) Solid Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 10/11/2024

Date Analyzed (1): 10/11/2024 Date Analyzed (2): 10/11/2024

Time Analyzed (1): 13:24 Time Analyzed (2): 13:24

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column (1): ZB-MR2 ID: 0.32 (mm) GC Column (2): ZB-MR1 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164067BS	PB164067BS	PL092332.D	10/11/2024	10/11/2024
SP-1	P4385-02	PL092334.D	10/11/2024	10/11/2024
SP-2	P4385-04	PL092335.D	10/11/2024	10/11/2024
SP-2MS	P4385-04MS	PL092336.D	10/11/2024	10/11/2024
SP-2MSD	P4385-04MSD	PL092337.D	10/11/2024	10/11/2024
SP-4	P4385-08	PL092338.D	10/11/2024	10/11/2024
SP-5	P4385-10	PL092339.D	10/11/2024	10/11/2024
SP-7	P4385-14	PL092340.D	10/11/2024	10/11/2024
SP-8	P4385-16	PL092341.D	10/11/2024	10/11/2024
SP-10	P4385-20	PL092342.D	10/11/2024	10/11/2024
SP-3	P4385-06	PL092343.D	10/11/2024	10/11/2024
SP-9	P4385-18	PL092344.D	10/11/2024	10/11/2024
SP-6	P4385-12	PL092345.D	10/11/2024	10/11/2024

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164067BL	SDG No.:	P4385
Lab Sample ID:	PB164067BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092331.D	1	10/11/24 09:00	10/11/24 13:24	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.49	U	0.49	1.70	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.70	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.38	U	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.17	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.6		30 (10) - 150 (148)	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		30 (10) - 150 (159)	95%	SPK: 20

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164067BL	SDG No.:	P4385
Lab Sample ID:	PB164067BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092331.D	1	10/11/24 09:00	10/11/24 13:24	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	09/23/24
Project:	Robbinsville	Date Received:	09/23/24
Client Sample ID:	PIBLK-PL091953.D	SDG No.:	P4385
Lab Sample ID:	I.BLK-PL091953.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091953.D	1		09/23/24	PL092324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.6		30 (43) - 150 (140)	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		30 (77) - 150 (126)	95%	SPK: 20

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	09/23/24
Project:	Robbinsville	Date Received:	09/23/24
Client Sample ID:	PIBLK-PL091953.D	SDG No.:	P4385
Lab Sample ID:	I.BLK-PL091953.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091953.D	1		09/23/24	PL092324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/11/24
Project:	Robbinsville	Date Received:	10/11/24
Client Sample ID:	PIBLK-PL092329.D	SDG No.:	P4385
Lab Sample ID:	I.BLK-PL092329.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092329.D	1		10/11/24	PL101224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.8		30 (43) - 150 (140)	119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		30 (77) - 150 (126)	107%	SPK: 20

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/11/24
Project:	Robbinsville	Date Received:	10/11/24
Client Sample ID:	PIBLK-PL092329.D	SDG No.:	P4385
Lab Sample ID:	I.BLK-PL092329.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092329.D	1		10/11/24	PL101224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/11/24
Project:	Robbinsville	Date Received:	10/11/24
Client Sample ID:	PIBLK-PL092346.D	SDG No.:	P4385
Lab Sample ID:	I.BLK-PL092346.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092346.D	1		10/11/24	PL101224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.1		30 (43) - 150 (140)	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		30 (77) - 150 (126)	107%	SPK: 20

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/11/24
Project:	Robbinsville	Date Received:	10/11/24
Client Sample ID:	PIBLK-PL092346.D	SDG No.:	P4385
Lab Sample ID:	I.BLK-PL092346.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092346.D	1		10/11/24	PL101224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164067BS	SDG No.:	P4385
Lab Sample ID:	PB164067BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092332.D	1	10/11/24 09:00	10/11/24 13:37	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.8		0.18	1.70	ug/kg
319-85-7	beta-BHC	16.8		0.49	1.70	ug/kg
319-86-8	delta-BHC	16.4		0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.2		0.19	1.70	ug/kg
76-44-8	Heptachlor	16.7		0.17	1.70	ug/kg
309-00-2	Aldrin	16.2		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	17.3		0.23	1.70	ug/kg
959-98-8	Endosulfan I	17.2		0.17	1.70	ug/kg
60-57-1	Dieldrin	17.3		0.15	1.70	ug/kg
72-55-9	4,4-DDE	17.6		0.13	1.70	ug/kg
72-20-8	Endrin	16.3		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	17.5		0.30	1.70	ug/kg
72-54-8	4,4-DDD	18.9		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	17.1		0.13	1.70	ug/kg
50-29-3	4,4-DDT	16.2		0.17	1.70	ug/kg
72-43-5	Methoxychlor	16.3		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	17.4		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.6		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.2		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	17.4		0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.0		30 (10) - 150 (148)	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		30 (10) - 150 (159)	103%	SPK: 20

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164067BS	SDG No.:	P4385
Lab Sample ID:	PB164067BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092332.D	1	10/11/24 09:00	10/11/24 13:37	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2MS	SDG No.:	P4385
Lab Sample ID:	P4385-04MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092336.D	1	10/11/24 09:00	10/11/24 14:31	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	15.6		0.19	1.80	ug/kg
319-85-7	beta-BHC	16.0		0.51	1.80	ug/kg
319-86-8	delta-BHC	14.7		0.49	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	15.2		0.20	1.80	ug/kg
76-44-8	Heptachlor	16.0		0.18	1.80	ug/kg
309-00-2	Aldrin	15.3		0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	15.5		0.24	1.80	ug/kg
959-98-8	Endosulfan I	15.6		0.18	1.80	ug/kg
60-57-1	Dieldrin	16.7		0.16	1.80	ug/kg
72-55-9	4,4-DDE	43.0	E	0.14	1.80	ug/kg
72-20-8	Endrin	16.9		0.17	1.80	ug/kg
33213-65-9	Endosulfan II	16.0		0.32	1.80	ug/kg
72-54-8	4,4-DDD	19.2		0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	16.1		0.14	1.80	ug/kg
50-29-3	4,4-DDT	39.9	E	0.18	1.80	ug/kg
72-43-5	Methoxychlor	16.3		0.40	1.80	ug/kg
53494-70-5	Endrin ketone	21.2	P	0.23	1.80	ug/kg
7421-93-4	Endrin aldehyde	16.3		0.41	1.80	ug/kg
5103-71-9	alpha-Chlordane	15.9		0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	16.4		0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.50	U	5.50	34.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.9		30 (10) - 150 (148)	85%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.4		30 (10) - 150 (159)	82%	SPK: 20

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2MS	SDG No.:	P4385
Lab Sample ID:	P4385-04MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092336.D	1	10/11/24 09:00	10/11/24 14:31	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2MSD	SDG No.:	P4385
Lab Sample ID:	P4385-04MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092337.D	1	10/11/24 09:00	10/11/24 14:44	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	15.5		0.19	1.80	ug/kg
319-85-7	beta-BHC	15.8		0.51	1.80	ug/kg
319-86-8	delta-BHC	14.6		0.49	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	15.1		0.20	1.80	ug/kg
76-44-8	Heptachlor	15.9		0.18	1.80	ug/kg
309-00-2	Aldrin	15.2		0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	15.5		0.24	1.80	ug/kg
959-98-8	Endosulfan I	15.5		0.18	1.80	ug/kg
60-57-1	Dieldrin	16.6		0.16	1.80	ug/kg
72-55-9	4,4-DDE	43.3	E	0.14	1.80	ug/kg
72-20-8	Endrin	16.8		0.17	1.80	ug/kg
33213-65-9	Endosulfan II	16.0		0.32	1.80	ug/kg
72-54-8	4,4-DDD	18.9		0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	16.1		0.14	1.80	ug/kg
50-29-3	4,4-DDT	39.7	E	0.18	1.80	ug/kg
72-43-5	Methoxychlor	16.2		0.40	1.80	ug/kg
53494-70-5	Endrin ketone	22.6	P	0.23	1.80	ug/kg
7421-93-4	Endrin aldehyde	16.2		0.41	1.80	ug/kg
5103-71-9	alpha-Chlordane	15.9		0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	16.2		0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.50	U	5.50	34.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.8		30 (10) - 150 (148)	84%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		30 (10) - 150 (159)	83%	SPK: 20

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2MSD	SDG No.:	P4385
Lab Sample ID:	P4385-04MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	95 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092337.D	1	10/11/24 09:00	10/11/24 14:44	PB164067

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024

Calibration Times: 11:32 12:26

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PL091956.D RT 075 = PL091957.D

RT 050 = PL091958.D RT 025 = PL091959.D RT 005 = PL091960.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.20	6.20	6.20	6.20	6.20	6.20	6.10	6.30
4,4'-DDT	7.03	7.03	7.03	7.03	7.03	7.03	6.93	7.13
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl	9.06	9.06	9.06	9.06	9.06	9.06	8.96	9.16
delta-BHC	4.78	4.78	4.78	4.78	4.77	4.78	4.68	4.88
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Endosulfan I	6.07	6.07	6.08	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Endrin aldehyde	6.93	6.93	6.93	6.93	6.93	6.93	6.83	7.03
Endrin ketone	7.65	7.65	7.65	7.65	7.65	7.65	7.55	7.75
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.95	5.95	5.95	5.95	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

Alliance TECHNICAL GROUP
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024

Calibration Times: 11:32 12:26

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PL091956.D RT 075 = PL091957.D

RT 050 = PL091958.D RT 025 = PL091959.D RT 005 = PL091960.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
4,4'-DDE	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
4,4'-DDT	6.05	6.05	6.05	6.05	6.05	6.05	5.95	6.15
Aldrin	4.24	4.24	4.24	4.24	4.24	4.24	4.14	4.34
alpha-BHC	3.29	3.29	3.29	3.29	3.29	3.29	3.19	3.39
alpha-Chlordane	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
beta-BHC	3.92	3.92	3.92	3.92	3.92	3.91	3.81	4.01
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
delta-BHC	4.15	4.15	4.15	4.15	4.14	4.14	4.04	4.24
Dieldrin	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Endosulfan I	5.11	5.11	5.11	5.11	5.11	5.11	5.01	5.21
Endosulfan II	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Endosulfan sulfate	6.35	6.35	6.34	6.34	6.35	6.34	6.24	6.44
Endrin	5.65	5.65	5.65	5.65	5.65	5.65	5.55	5.75
Endrin aldehyde	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endrin ketone	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
gamma-BHC (Lindane)	3.62	3.62	3.62	3.62	3.62	3.62	3.52	3.72
gamma-Chlordane	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Heptachlor	3.96	3.96	3.96	3.96	3.96	3.95	3.85	4.05
Heptachlor epoxide	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Methoxychlor	6.62	6.62	6.62	6.62	6.62	6.62	6.52	6.72
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024

Calibration Times: 11:32 12:26

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PL091956.D **CF 075 =** PL091957.D

CF 050 = PL091958.D **CF 025 =** PL091959.D **CF 005 =** PL091960.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1653520000	1647210000	1678500000	1744800000	2254540000	1795720000	14
4,4'-DDE	2066570000	2045910000	2071830000	2104470000	2533330000	2164420000	10
4,4'-DDT	1733900000	1735380000	1754170000	1804510000	2178050000	1841200000	10
Aldrin	2641050000	2607180000	2641830000	2690200000	3307680000	2777590000	11
alpha-BHC	3076620000	3010330000	2985720000	2963000000	3446930000	3096520000	6
alpha-Chlordane	2305920000	2301860000	2353960000	2423920000	2931020000	2463340000	11
beta-BHC	1233660000	1235340000	1269540000	1303030000	1590300000	1326380000	11
Decachlorobiphenyl	1514180000	1546290000	1590790000	1642930000	1896960000	1638230000	9
delta-BHC	2841210000	2757590000	2778760000	2797400000	3246070000	2884210000	7
Dieldrin	2300240000	2292130000	2329590000	2380410000	2891930000	2438860000	10
Endosulfan I	2149020000	2152500000	2207300000	2283480000	2774700000	2313400000	11
Endosulfan II	1992660000	2006240000	2063200000	2160930000	2775610000	2199730000	15
Endosulfan sulfate	1820440000	1836620000	1889410000	1967750000	2397160000	1982280000	12
Endrin	1940880000	1934170000	1971650000	2016300000	2440480000	2060700000	10
Endrin aldehyde	1583540000	1604430000	1647320000	1720460000	2158080000	1742760000	14
Endrin ketone	2055570000	2058040000	2104700000	2152580000	2616930000	2197560000	11
gamma-BHC (Lindane)	2990410000	2948600000	2949110000	2954630000	3651280000	3098800000	10
gamma-Chlordane	2323480000	2305690000	2357460000	2423400000	2945970000	2471200000	11
Heptachlor	2590450000	2581810000	2624270000	2731930000	3298830000	2765460000	11
Heptachlor epoxide	2355250000	2419410000	2410600000	2493740000	3045980000	2544990000	11
Methoxychlor	913738000	926950000	954169000	973623000	1140080000	981712000	9
Tetrachloro-m-xylene	2128490000	2125270000	2145440000	2197480000	2526630000	2224660000	8

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Instrument ID: ECD_L

Calibration Date(s): 09/23/2024 09/23/2024

Calibration Times: 11:32 12:26

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PL091956.D **CF 075 =** PL091957.D

CF 050 = PL091958.D **CF 025 =** PL091959.D **CF 005 =** PL091960.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2268160000	2177660000	2139850000	1992930000	2102490000	2136220000	5
4,4'-DDE	2937140000	2821610000	2796600000	2614820000	2724050000	2778840000	4
4,4'-DDT	2455710000	2371160000	2329540000	2184000000	2225420000	2313160000	5
Aldrin	3593290000	3455480000	3419630000	3175270000	3361830000	3401100000	4
alpha-BHC	3937530000	3786440000	3690070000	3414870000	3387720000	3643320000	7
alpha-Chlordane	3085390000	2983970000	2990310000	2841400000	3066630000	2993540000	3
beta-BHC	1482940000	1448440000	1465850000	1419920000	1698340000	1503100000	7
Decachlorobiphenyl	2374340000	2399600000	2428470000	2478660000	2828640000	2501940000	7
delta-BHC	3726380000	3579670000	3509320000	3229840000	3313260000	3471690000	6
Dieldrin	3085830000	2978040000	2947180000	2759020000	2889140000	2931840000	4
Endosulfan I	2816250000	2735830000	2741360000	2613670000	2816080000	2744640000	3
Endosulfan II	2561230000	2497720000	2506550000	2398770000	2547770000	2502410000	3
Endosulfan sulfate	2442810000	2382500000	2402520000	2314600000	2520170000	2412520000	3
Endrin	2724440000	2642180000	2624570000	2477520000	2642190000	2622180000	3
Endrin aldehyde	2035320000	2004480000	2019970000	1971180000	2172650000	2040720000	4
Endrin ketone	2811580000	2766230000	2778840000	2679690000	2808370000	2768950000	2
gamma-BHC (Lindane)	3775710000	3629090000	3577820000	3312530000	3359720000	3530980000	5
gamma-Chlordane	3135810000	3020590000	3008060000	2840920000	3037500000	3008580000	4
Heptachlor	3553790000	3434350000	3431490000	3238430000	3595010000	3450610000	4
Heptachlor epoxide	3090900000	2996730000	3012410000	2873000000	3141390000	3022890000	3
Methoxychlor	1228030000	1222750000	1234080000	1223180000	1343690000	1250350000	4
Tetrachloro-m-xylene	2544530000	2497760000	2476670000	2384990000	2636430000	2508080000	4

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Instrument ID: ECD_L **Date(s) Analyzed:** 09/23/2024 09/23/2024

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	22665300
		2	6.45	6.35	6.55	13922000
		3	7.06	6.96	7.16	70960500
		4	7.15	7.05	7.25	53851200
		5	7.94	7.84	8.04	39727000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Instrument ID: ECD_L **Date(s) Analyzed:** 09/23/2024 09/23/2024

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.01	4.91	5.11	18093600
		2	5.34	5.24	5.44	17271700
		3	6.61	6.51	6.71	63995900
		4	6.74	6.64	6.84	88666300
		5	7.05	6.95	7.15	60349700

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 09/23/2024 09/23/2024

Continuing Calib Time: 11:54 **Initial Calibration Time(s):** 11:32 12:26

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.78	4.68	4.88	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.69	5.59	5.79	0.01
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.20	6.10	6.30	0.01
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.80	6.80	6.70	6.90	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.03	6.93	7.13	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.65	7.55	7.75	0.00
Endrin aldehyde	6.93	6.93	6.83	7.03	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.95	5.85	6.05	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 09/23/2024 09/23/2024

Continuing Calib Time: 11:54 **Initial Calibration Time(s):** 11:32 12:26

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.29	3.19	3.39	0.01
beta-BHC	3.91	3.92	3.82	4.02	0.01
delta-BHC	4.14	4.15	4.05	4.25	0.01
gamma-BHC (Lindane)	3.61	3.62	3.52	3.72	0.01
Heptachlor	3.95	3.96	3.86	4.06	0.01
Aldrin	4.23	4.24	4.14	4.34	0.01
Heptachlor epoxide	4.73	4.74	4.64	4.84	0.01
Endosulfan I	5.10	5.11	5.01	5.21	0.01
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.23	5.24	5.14	5.34	0.01
Endrin	5.64	5.65	5.55	5.75	0.01
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.80	5.70	5.90	0.01
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.05	5.95	6.15	0.01
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.84	6.85	6.75	6.95	0.01
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.99	4.89	5.09	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092330.D **Time Analyzed:** 11:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.710	6.614	6.814	53.460	50.000	6.9
4,4'-DDE	6.194	6.097	6.297	52.750	50.000	5.5
4,4'-DDT	7.026	6.928	7.128	52.610	50.000	5.2
Aldrin	5.259	5.163	5.363	51.260	50.000	2.5
alpha-BHC	3.996	3.899	4.099	52.740	50.000	5.5
alpha-Chlordane	6.019	5.924	6.124	51.550	50.000	3.1
beta-BHC	4.525	4.429	4.629	51.990	50.000	4.0
Decachlorobiphenyl	9.059	8.960	9.160	55.090	50.000	10.2
delta-BHC	4.773	4.677	4.877	52.840	50.000	5.7
Dieldrin	6.346	6.249	6.449	51.740	50.000	3.5
Endosulfan I	6.071	5.975	6.175	54.100	50.000	8.2
Endosulfan II	6.796	6.698	6.898	50.260	50.000	0.5
Endosulfan sulfate	7.161	7.063	7.263	51.970	50.000	3.9
Endrin	6.576	6.479	6.679	51.260	50.000	2.5
Endrin aldehyde	6.926	6.828	7.028	51.670	50.000	3.3
Endrin ketone	7.646	7.548	7.748	52.510	50.000	5.0
gamma-BHC (Lindane)	4.328	4.232	4.432	51.140	50.000	2.3
gamma-Chlordane	5.940	5.845	6.045	51.870	50.000	3.7
Heptachlor	4.917	4.820	5.020	52.270	50.000	4.5
Heptachlor epoxide	5.684	5.589	5.789	53.130	50.000	6.3
Methoxychlor	7.502	7.404	7.604	54.430	50.000	8.9
Tetrachloro-m-xylene	3.540	3.444	3.644	52.510	50.000	5.0

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092330.D **Time Analyzed:** 11:54

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.791	5.696	5.896	58.370	50.000	16.7
4,4'-DDE	5.234	5.141	5.341	56.900	50.000	13.8
4,4'-DDT	6.041	5.946	6.146	54.730	50.000	9.5
Aldrin	4.229	4.135	4.335	54.360	50.000	8.7
alpha-BHC	3.281	3.186	3.386	54.900	50.000	9.8
alpha-Chlordane	5.046	4.952	5.152	54.300	50.000	8.6
beta-BHC	3.910	3.815	4.015	53.590	50.000	7.2
Decachlorobiphenyl	7.919	7.823	8.023	53.150	50.000	6.3
delta-BHC	4.138	4.045	4.245	55.480	50.000	11.0
Dieldrin	5.367	5.272	5.472	55.180	50.000	10.4
Endosulfan I	5.102	5.008	5.208	48.570	50.000	-2.9
Endosulfan II	5.938	5.842	6.042	55.090	50.000	10.2
Endosulfan sulfate	6.340	6.244	6.444	54.710	50.000	9.4
Endrin	5.642	5.548	5.748	54.170	50.000	8.3
Endrin aldehyde	6.117	6.022	6.222	54.520	50.000	9.0
Endrin ketone	6.844	6.750	6.950	56.540	50.000	13.1
gamma-BHC (Lindane)	3.611	3.516	3.716	54.380	50.000	8.8
gamma-Chlordane	4.982	4.888	5.088	54.910	50.000	9.8
Heptachlor	3.950	3.855	4.055	53.910	50.000	7.8
Heptachlor epoxide	4.732	4.638	4.838	53.980	50.000	8.0
Methoxychlor	6.616	6.521	6.721	54.680	50.000	9.4
Tetrachloro-m-xylene	2.778	2.682	2.882	53.400	50.000	6.8

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 09/23/2024 09/23/2024

Continuing Calib Time: 17:48 **Initial Calibration Time(s):** 11:32 12:26

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.78	4.68	4.88	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.80	6.80	6.70	6.90	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.03	6.93	7.13	0.00
Methoxychlor	7.51	7.50	7.40	7.60	-0.01
Endrin ketone	7.65	7.65	7.55	7.75	0.00
Endrin aldehyde	6.93	6.93	6.83	7.03	0.00
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 09/23/2024 09/23/2024

Continuing Calib Time: 17:48 **Initial Calibration Time(s):** 11:32 12:26

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.29	3.19	3.39	0.01
beta-BHC	3.91	3.92	3.82	4.02	0.01
delta-BHC	4.14	4.15	4.05	4.25	0.01
gamma-BHC (Lindane)	3.61	3.62	3.52	3.72	0.01
Heptachlor	3.95	3.96	3.86	4.06	0.01
Aldrin	4.23	4.24	4.14	4.34	0.01
Heptachlor epoxide	4.74	4.74	4.64	4.84	0.00
Endosulfan I	5.10	5.11	5.01	5.21	0.01
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.65	5.65	5.55	5.75	0.01
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.80	5.70	5.90	0.01
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.05	5.95	6.15	0.01
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.85	6.75	6.95	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.99	4.89	5.09	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092347.D **Time Analyzed:** 17:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.714	6.614	6.814	50.090	50.000	0.2
4,4'-DDE	6.198	6.097	6.297	49.040	50.000	-1.9
4,4'-DDT	7.029	6.928	7.128	46.250	50.000	-7.5
Aldrin	5.263	5.163	5.363	48.640	50.000	-2.7
alpha-BHC	4.000	3.899	4.099	50.680	50.000	1.4
alpha-Chlordane	6.025	5.924	6.124	48.780	50.000	-2.4
beta-BHC	4.530	4.429	4.629	49.240	50.000	-1.5
Decachlorobiphenyl	9.062	8.960	9.160	48.480	50.000	-3.0
delta-BHC	4.777	4.677	4.877	50.290	50.000	0.6
Dieldrin	6.351	6.249	6.449	47.990	50.000	-4.0
Endosulfan I	6.076	5.975	6.175	48.510	50.000	-3.0
Endosulfan II	6.800	6.698	6.898	45.520	50.000	-9.0
Endosulfan sulfate	7.164	7.063	7.263	47.180	50.000	-5.6
Endrin	6.579	6.479	6.679	46.970	50.000	-6.1
Endrin aldehyde	6.931	6.828	7.028	46.650	50.000	-6.7
Endrin ketone	7.649	7.548	7.748	47.620	50.000	-4.8
gamma-BHC (Lindane)	4.332	4.232	4.432	48.830	50.000	-2.3
gamma-Chlordane	5.945	5.845	6.045	47.960	50.000	-4.1
Heptachlor	4.922	4.820	5.020	49.860	50.000	-0.3
Heptachlor epoxide	5.690	5.589	5.789	49.360	50.000	-1.3
Methoxychlor	7.505	7.404	7.604	48.210	50.000	-3.6
Tetrachloro-m-xylene	3.544	3.444	3.644	50.410	50.000	0.8

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/11/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092347.D **Time Analyzed:** 17:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.793	5.696	5.896	56.110	50.000	12.2
4,4'-DDE	5.236	5.141	5.341	52.770	50.000	5.5
4,4'-DDT	6.044	5.946	6.146	47.860	50.000	-4.3
Aldrin	4.230	4.135	4.335	51.730	50.000	3.5
alpha-BHC	3.282	3.186	3.386	52.640	50.000	5.3
alpha-Chlordane	5.048	4.952	5.152	50.970	50.000	1.9
beta-BHC	3.911	3.815	4.015	50.680	50.000	1.4
Decachlorobiphenyl	7.921	7.823	8.023	45.400	50.000	-9.2
delta-BHC	4.141	4.045	4.245	53.940	50.000	7.9
Dieldrin	5.369	5.272	5.472	50.980	50.000	2.0
Endosulfan I	5.104	5.008	5.208	50.400	50.000	0.8
Endosulfan II	5.940	5.842	6.042	50.720	50.000	1.4
Endosulfan sulfate	6.342	6.244	6.444	49.690	50.000	-0.6
Endrin	5.645	5.548	5.748	50.020	50.000	0.0
Endrin aldehyde	6.119	6.022	6.222	49.550	50.000	-0.9
Endrin ketone	6.848	6.750	6.950	49.250	50.000	-1.5
gamma-BHC (Lindane)	3.612	3.516	3.716	51.940	50.000	3.9
gamma-Chlordane	4.984	4.888	5.088	51.480	50.000	3.0
Heptachlor	3.951	3.855	4.055	50.810	50.000	1.6
Heptachlor epoxide	4.735	4.638	4.838	51.060	50.000	2.1
Methoxychlor	6.618	6.521	6.721	47.490	50.000	-5.0
Tetrachloro-m-xylene	2.779	2.682	2.882	52.200	50.000	4.4

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL091954.D **Date Analyzed:** 09/23/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:05

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.061	8.960	9.160	19.830	20.000	-0.9
Tetrachloro-m-xylene	3.544	3.490	3.590	20.070	20.000	0.4
alpha-BHC	3.999	3.950	4.050	10.180	10.000	1.8
beta-BHC	4.529	4.480	4.580	10.750	10.000	7.5
gamma-BHC (Lindane)	4.332	4.280	4.380	10.100	10.000	1.0
Endrin	6.579	6.510	6.650	43.290	50.000	-13.4
4,4'-DDT	7.028	6.960	7.100	90.240	100.000	-9.8
Methoxychlor	7.504	7.430	7.570	212.390	250.000	-15.0

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL091954.D **Date Analyzed:** 09/23/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:05

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.923	7.820	8.020	19.350	20.000	-3.3
Tetrachloro-m-xylene	2.782	2.730	2.830	19.290	20.000	-3.6
alpha-BHC	3.285	3.230	3.340	9.220	10.000	-7.8
beta-BHC	3.915	3.860	3.970	10.540	10.000	5.4
gamma-BHC (Lindane)	3.616	3.570	3.670	8.880	10.000	-11.2
Endrin	5.648	5.580	5.720	46.450	50.000	-7.1
4,4'-DDT	6.047	5.980	6.120	104.950	100.000	5.0
Methoxychlor	6.621	6.550	6.690	232.550	250.000	-7.0

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL092320.D **Date Analyzed:** 10/11/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:56

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.960	9.160	22.700	20.000	13.5
Tetrachloro-m-xylene	3.540	3.490	3.590	22.460	20.000	12.3
alpha-BHC	3.995	3.940	4.050	11.450	10.000	14.5
beta-BHC	4.525	4.470	4.580	11.980	10.000	19.8
gamma-BHC (Lindane)	4.328	4.280	4.380	10.840	10.000	8.4
Endrin	6.575	6.500	6.650	45.920	50.000	-8.2
4,4'-DDT	7.025	6.950	7.100	96.120	100.000	-3.9
Methoxychlor	7.503	7.430	7.570	231.460	250.000	-7.4

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/23/2024 09/23/2024

Client Sample No. (PEM): PEM - PL092320.D **Date Analyzed:** 10/11/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:56

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.919	7.820	8.020	20.990	20.000	5.0
Tetrachloro-m-xylene	2.778	2.730	2.830	21.410	20.000	7.1
alpha-BHC	3.281	3.230	3.330	10.130	10.000	1.3
beta-BHC	3.911	3.860	3.960	11.680	10.000	16.8
gamma-BHC (Lindane)	3.611	3.560	3.660	9.770	10.000	-2.3
Endrin	5.643	5.570	5.710	48.200	50.000	-3.6
4,4'-DDT	6.042	5.970	6.110	108.430	100.000	8.4
Methoxychlor	6.617	6.550	6.690	243.010	250.000	-2.8

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Analytical Sequence

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Project: Robbinsville **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/23/2024 09/23/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	09/23/2024	10:52	PL091953.D	9.06	3.54
PEM	PEM	09/23/2024	11:05	PL091954.D	9.06	3.54
RESCHK	RESCHK	09/23/2024	11:19	PL091955.D	9.06	3.54
PSTDICC100	PSTDICC100	09/23/2024	11:32	PL091956.D	9.06	3.54
PSTDICC075	PSTDICC075	09/23/2024	11:45	PL091957.D	9.06	3.54
PSTDICC050	PSTDICC050	09/23/2024	11:59	PL091958.D	9.06	3.54
PSTDICC025	PSTDICC025	09/23/2024	12:12	PL091959.D	9.06	3.54
PSTDICC005	PSTDICC005	09/23/2024	12:26	PL091960.D	9.06	3.54
PCHLORICC500	PCHLORICC500	09/23/2024	13:06	PL091963.D	9.06	3.54
PTOXICC500	PTOXICC500	09/23/2024	14:13	PL091968.D	9.06	3.54
PEM	PEM	10/11/2024	08:56	PL092320.D	9.06	3.54
I.BLK	I.BLK	10/11/2024	11:40	PL092329.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/11/2024	11:54	PL092330.D	9.06	3.54
PB164067BL	PB164067BL	10/11/2024	13:24	PL092331.D	9.07	3.55
PB164067BS	PB164067BS	10/11/2024	13:37	PL092332.D	9.06	3.54
SP-1	P4385-02	10/11/2024	14:04	PL092334.D	9.06	3.54
SP-2	P4385-04	10/11/2024	14:17	PL092335.D	9.06	3.54
SP-2MS	P4385-04MS	10/11/2024	14:31	PL092336.D	9.06	3.54
SP-2MSD	P4385-04MSD	10/11/2024	14:44	PL092337.D	9.06	3.54
SP-4	P4385-08	10/11/2024	14:58	PL092338.D	9.06	3.54
SP-5	P4385-10	10/11/2024	15:11	PL092339.D	9.06	3.54
SP-7	P4385-14	10/11/2024	15:25	PL092340.D	9.06	3.54
SP-8	P4385-16	10/11/2024	15:38	PL092341.D	9.06	3.54
SP-10	P4385-20	10/11/2024	15:52	PL092342.D	9.06	3.54
SP-3	P4385-06	10/11/2024	16:32	PL092343.D	9.06	3.54
SP-9	P4385-18	10/11/2024	16:59	PL092344.D	9.06	3.54
SP-6	P4385-12	10/11/2024	17:18	PL092345.D	9.06	3.55
I.BLK	I.BLK	10/11/2024	17:31	PL092346.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/11/2024	17:48	PL092347.D	9.06	3.54

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Analytical Sequence

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Project: Robbinsville **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 09/23/2024 09/23/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	09/23/2024	10:52	PL091953.D	7.92	2.78
PEM	PEM	09/23/2024	11:05	PL091954.D	7.92	2.78
RESCHK	RESCHK	09/23/2024	11:19	PL091955.D	7.92	2.78
PSTDICC100	PSTDICC100	09/23/2024	11:32	PL091956.D	7.92	2.78
PSTDICC075	PSTDICC075	09/23/2024	11:45	PL091957.D	7.92	2.78
PSTDICC050	PSTDICC050	09/23/2024	11:59	PL091958.D	7.92	2.78
PSTDICC025	PSTDICC025	09/23/2024	12:12	PL091959.D	7.92	2.78
PSTDICC005	PSTDICC005	09/23/2024	12:26	PL091960.D	7.92	2.78
PCHLORICC500	PCHLORICC500	09/23/2024	13:06	PL091963.D	7.92	2.78
PTOXICC500	PTOXICC500	09/23/2024	14:13	PL091968.D	7.92	2.78
PEM	PEM	10/11/2024	08:56	PL092320.D	7.92	2.78
I.BLK	I.BLK	10/11/2024	11:40	PL092329.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/11/2024	11:54	PL092330.D	7.92	2.78
PB164067BL	PB164067BL	10/11/2024	13:24	PL092331.D	7.92	2.78
PB164067BS	PB164067BS	10/11/2024	13:37	PL092332.D	7.92	2.78
SP-1	P4385-02	10/11/2024	14:04	PL092334.D	7.92	2.78
SP-2	P4385-04	10/11/2024	14:17	PL092335.D	7.92	2.78
SP-2MS	P4385-04MS	10/11/2024	14:31	PL092336.D	7.92	2.78
SP-2MSD	P4385-04MSD	10/11/2024	14:44	PL092337.D	7.92	2.78
SP-4	P4385-08	10/11/2024	14:58	PL092338.D	7.92	2.78
SP-5	P4385-10	10/11/2024	15:11	PL092339.D	7.92	2.78
SP-7	P4385-14	10/11/2024	15:25	PL092340.D	7.92	2.78
SP-8	P4385-16	10/11/2024	15:38	PL092341.D	7.92	2.78
SP-10	P4385-20	10/11/2024	15:52	PL092342.D	7.92	2.78
SP-3	P4385-06	10/11/2024	16:32	PL092343.D	7.92	2.78
SP-9	P4385-18	10/11/2024	16:59	PL092344.D	7.92	2.78
SP-6	P4385-12	10/11/2024	17:18	PL092345.D	7.92	2.78
I.BLK	I.BLK	10/11/2024	17:31	PL092346.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/11/2024	17:48	PL092347.D	7.92	2.78

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164067BS

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: PB164067BS **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.80	6.75	6.85	15.7	10.8
	2	5.94	5.89	5.99	17.5	
4,4'-DDD	1	6.71	6.66	6.76	17.3	8.8
	2	5.79	5.74	5.84	18.9	
4,4'-DDT	1	7.03	6.98	7.08	16.2	0
	2	6.04	5.99	6.09	16.2	
Endrin aldehyde	1	6.93	6.88	6.98	15.8	4.9
	2	6.12	6.07	6.17	16.6	
Endosulfan sulfate	1	7.16	7.11	7.21	16.3	4.8
	2	6.34	6.29	6.39	17.1	
Methoxychlor	1	7.50	7.45	7.55	16.3	1.9
	2	6.62	6.57	6.67	16.0	
Endrin ketone	1	7.65	7.60	7.70	16.6	4.7
	2	6.85	6.80	6.90	17.4	
alpha-BHC	1	4.00	3.95	4.05	16.2	3.6
	2	3.28	3.23	3.33	16.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.4	5.1
	2	3.61	3.56	3.66	16.2	
Heptachlor	1	4.92	4.87	4.97	16.3	2.4
	2	3.95	3.90	4.00	16.7	
Aldrin	1	5.26	5.21	5.31	15.6	3.8
	2	4.23	4.18	4.28	16.2	
beta-BHC	1	4.53	4.48	4.58	16.3	3
	2	3.91	3.86	3.96	16.8	
delta-BHC	1	4.77	4.72	4.82	15.9	3.1
	2	4.14	4.09	4.19	16.4	
Heptachlor epoxide	1	5.69	5.64	5.74	16.0	7.8
	2	4.73	4.68	4.78	17.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164067BS

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: PB164067BS **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	16.1	6.6
	2	5.10	5.05	5.15	17.2	
gamma-Chlordane	1	5.94	5.89	5.99	16.3	6.5
	2	4.98	4.93	5.03	17.4	
alpha-Chlordane	1	6.02	5.97	6.07	16.4	4.8
	2	5.05	5.00	5.10	17.2	
4,4'-DDE	1	6.20	6.15	6.25	16.5	6.5
	2	5.24	5.19	5.29	17.6	
Dieldrin	1	6.35	6.30	6.40	16.1	7.2
	2	5.37	5.32	5.42	17.3	
Endrin	1	6.58	6.53	6.63	15.5	5
	2	5.64	5.59	5.69	16.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-1

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: P4385-02 **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	1.80	0
	2	5.79	5.74	5.84	1.80	
4,4'-DDT	1	7.03	6.98	7.08	10.7	0.9
	2	6.04	5.99	6.09	10.6	
4,4'-DDE	1	6.19	6.14	6.24	12.4	4
	2	5.24	5.19	5.29	12.9	
Dieldrin	1	6.35	6.30	6.40	0.48	19.7
	2	5.37	5.32	5.42	0.39	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-10

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: P4385-20 **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	0.98	13.9
	2	5.79	5.74	5.84	0.85	
4,4'-DDT	1	7.03	6.98	7.08	6.00	10.5
	2	6.04	5.99	6.09	5.40	
gamma-Chlordane	1	5.94	5.89	5.99	0.38	40.4
	2	4.98	4.93	5.03	0.25	
alpha-Chlordane	1	6.02	5.97	6.07	0.72	74.8
	2	5.04	4.99	5.09	0.33	
4,4'-DDE	1	6.19	6.14	6.24	9.80	5.9
	2	5.23	5.18	5.28	10.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-2

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: P4385-04 **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	4.00	7.8
	2	5.79	5.74	5.84	3.70	
4,4'-DDT	1	7.03	6.98	7.08	24.4	6.3
	2	6.04	5.99	6.09	26.0	
4,4'-DDE	1	6.19	6.14	6.24	27.3	11.4
	2	5.24	5.19	5.29	30.6	
Dieldrin	1	6.34	6.29	6.39	0.94	3
	2	5.37	5.32	5.42	0.91	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-2MS

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: P4385-04MS **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.80	6.75	6.85	15.1	5.8
	2	5.94	5.89	5.99	16.0	
4,4'-DDD	1	6.71	6.66	6.76	19.2	5.3
	2	5.79	5.74	5.84	18.2	
4,4'-DDT	1	7.03	6.98	7.08	37.0	7.5
	2	6.04	5.99	6.09	39.9	
Endrin aldehyde	1	6.93	6.88	6.98	14.8	9.6
	2	6.12	6.07	6.17	16.3	
Endosulfan sulfate	1	7.16	7.11	7.21	15.6	3.2
	2	6.34	6.29	6.39	16.1	
Methoxychlor	1	7.50	7.45	7.55	15.5	5
	2	6.62	6.57	6.67	16.3	
Endrin ketone	1	7.65	7.60	7.70	21.2	29.8
	2	6.85	6.80	6.90	15.7	
alpha-BHC	1	4.00	3.95	4.05	15.2	2.6
	2	3.28	3.23	3.33	15.6	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.6	4
	2	3.61	3.56	3.66	15.2	
Heptachlor	1	4.92	4.87	4.97	16.0	0
	2	3.95	3.90	4.00	16.0	
Aldrin	1	5.26	5.21	5.31	14.5	5.4
	2	4.23	4.18	4.28	15.3	
beta-BHC	1	4.53	4.48	4.58	15.6	2.5
	2	3.91	3.86	3.96	16.0	
delta-BHC	1	4.77	4.72	4.82	14.6	0.7
	2	4.14	4.09	4.19	14.7	
Heptachlor epoxide	1	5.69	5.64	5.74	15.5	0
	2	4.73	4.68	4.78	15.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-2MS

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: P4385-04MS **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	15.6	0.6
	2	5.10	5.05	5.15	15.5	
gamma-Chlordane	1	5.94	5.89	5.99	16.4	1.8
	2	4.98	4.93	5.03	16.1	
alpha-Chlordane	1	6.02	5.97	6.07	15.9	0
	2	5.05	5.00	5.10	15.9	
4,4'-DDE	1	6.19	6.14	6.24	38.6	10.8
	2	5.24	5.19	5.29	43.0	
Dieldrin	1	6.35	6.30	6.40	15.7	6.2
	2	5.37	5.32	5.42	16.7	
Endrin	1	6.58	6.53	6.63	15.2	10.6
	2	5.64	5.59	5.69	16.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-2MSD

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: P4385-04MSD **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	18.9	3.2
	2	5.79	5.74	5.84	18.3	
4,4'-DDT	1	7.03	6.98	7.08	36.4	8.7
	2	6.04	5.99	6.09	39.7	
Endrin aldehyde	1	6.93	6.88	6.98	14.6	10.4
	2	6.12	6.07	6.17	16.2	
Endosulfan sulfate	1	7.16	7.11	7.21	15.4	4.4
	2	6.34	6.29	6.39	16.1	
Methoxychlor	1	7.50	7.45	7.55	15.6	3.8
	2	6.62	6.57	6.67	16.2	
Endrin ketone	1	7.64	7.59	7.69	22.6	36
	2	6.85	6.80	6.90	15.7	
alpha-BHC	1	4.00	3.95	4.05	14.9	3.9
	2	3.28	3.23	3.33	15.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.5	4.1
	2	3.61	3.56	3.66	15.1	
Heptachlor	1	4.92	4.87	4.97	15.7	1.3
	2	3.95	3.90	4.00	15.9	
Aldrin	1	5.26	5.21	5.31	14.4	5.4
	2	4.23	4.18	4.28	15.2	
beta-BHC	1	4.53	4.48	4.58	15.4	2.6
	2	3.91	3.86	3.96	15.8	
delta-BHC	1	4.77	4.72	4.82	14.4	1.4
	2	4.14	4.09	4.19	14.6	
Heptachlor epoxide	1	5.69	5.64	5.74	15.2	2
	2	4.73	4.68	4.78	15.5	
Endosulfan I	1	6.07	6.02	6.12	15.4	0.6
	2	5.10	5.05	5.15	15.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-2MSD

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: P4385-04MSD **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
gamma-Chlordane	1	5.94	5.89	5.99	16.2	0.6
	2	4.98	4.93	5.03	16.1	
alpha-Chlordane	1	6.02	5.97	6.07	15.8	0.6
	2	5.05	5.00	5.10	15.9	
4,4'-DDE	1	6.19	6.14	6.24	38.4	12
	2	5.24	5.19	5.29	43.3	
Dieldrin	1	6.35	6.30	6.40	15.7	5.6
	2	5.37	5.32	5.42	16.6	
Endrin	1	6.57	6.52	6.62	15.0	11.3
	2	5.64	5.59	5.69	16.8	
Endosulfan II	1	6.80	6.75	6.85	15.0	6.5
	2	5.94	5.89	5.99	16.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-3

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: P4385-06 **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	4.30	4.8
	2	5.79	5.74	5.84	4.10	
4,4'-DDT	1	7.03	6.98	7.08	19.0	3.6
	2	6.04	5.99	6.09	19.7	
4,4'-DDE	1	6.19	6.14	6.24	20.9	9.6
	2	5.24	5.19	5.29	23.0	
Dieldrin	1	6.34	6.29	6.39	0.80	4.5
	2	5.37	5.32	5.42	0.76	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-4

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: P4385-08 **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	0.95	29.3
	2	5.79	5.74	5.84	0.71	
4,4'-DDT	1	7.03	6.98	7.08	6.70	6.2
	2	6.04	5.99	6.09	6.30	
4,4'-DDE	1	6.19	6.14	6.24	5.60	0
	2	5.24	5.19	5.29	5.60	
Dieldrin	1	6.35	6.30	6.40	0.26	26.1
	2	5.37	5.32	5.42	0.20	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-5

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: P4385-10 **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	0.73	24.2
	2	5.79	5.74	5.84	0.57	
4,4'-DDT	1	7.03	6.98	7.08	5.40	7.7
	2	6.04	5.99	6.09	5.00	
4,4'-DDE	1	6.19	6.14	6.24	8.10	1.2
	2	5.24	5.19	5.29	8.20	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-6

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: P4385-12 **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.72	6.67	6.77	1.90	11.1
	2	5.79	5.74	5.84	1.70	
4,4'-DDT	1	7.03	6.98	7.08	12.7	1.6
	2	6.04	5.99	6.09	12.5	
4,4'-DDE	1	6.20	6.15	6.25	11.9	6.5
	2	5.24	5.19	5.29	12.7	
Dieldrin	1	6.35	6.30	6.40	0.54	6.8
	2	5.37	5.32	5.42	0.50	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-7

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: P4385-14 **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	1.20	8.7
	2	5.79	5.74	5.84	1.10	
4,4'-DDT	1	7.02	6.97	7.07	5.10	10.3
	2	6.04	5.99	6.09	4.60	
alpha-Chlordane	1	6.02	5.97	6.07	0.67	101.2
	2	5.04	4.99	5.09	0.22	
4,4'-DDE	1	6.19	6.14	6.24	9.60	4.1
	2	5.24	5.19	5.29	10.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-8

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: P4385-16 **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	0.92	16.6
	2	5.79	5.74	5.84	0.78	
4,4'-DDT	1	7.03	6.98	7.08	5.60	11.3
	2	6.04	5.99	6.09	5.00	
alpha-Chlordane	1	6.02	5.97	6.07	0.57	90.1
	2	5.04	4.99	5.09	0.22	
4,4'-DDE	1	6.19	6.14	6.24	9.90	2
	2	5.24	5.19	5.29	10.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-9

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: P4385-18 **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	5.40	29.8
	2	5.79	5.74	5.84	4.00	
4,4'-DDT	1	7.03	6.98	7.08	13.5	7.7
	2	6.04	5.99	6.09	12.5	
Heptachlor epoxide	1	5.68	5.63	5.73	0.55	36
	2	4.73	4.68	4.78	0.38	
gamma-Chlordane	1	5.94	5.89	5.99	0.87	14.5
	2	4.98	4.93	5.03	0.75	
alpha-Chlordane	1	6.02	5.97	6.07	0.98	72.6
	2	5.05	5.00	5.10	0.46	
4,4'-DDE	1	6.19	6.14	6.24	10.5	34.6
	2	5.23	5.18	5.28	14.9	
Dieldrin	1	6.34	6.29	6.39	1.00	57.3
	2	5.37	5.32	5.42	1.80	

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LAB CHRONICLE

OrderID:	P4385	**OrderDate:**	10/10/2024 2:00:00 PM
Client:	Scheideler Excavating Co. Inc.	**Project:**	Robbinsville
Contact:	Jim Scheideler	**Location:**	K51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4385-02	**SP-1**	**SOIL**			**10/10/24**			**10/10/24**
			PCB	8082A		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-04	**SP-2**	**SOIL**			**10/10/24**			**10/10/24**
			PCB	8082A		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-06	**SP-3**	**SOIL**			**10/10/24**			**10/10/24**
			PCB	8082A		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-08	**SP-4**	**SOIL**			**10/10/24**			**10/10/24**
			PCB	8082A		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-10	**SP-5**	**SOIL**			**10/10/24**			**10/10/24**
			PCB	8082A		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-12	**SP-6**	**SOIL**			**10/10/24**			**10/10/24**
			PCB	8082A		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-14	**SP-7**	**SOIL**			**10/10/24**			**10/10/24**
			PCB	8082A		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-16	**SP-8**	**SOIL**			**10/10/24**			**10/10/24**
			PCB	8082A		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-18	**SP-9**	**SOIL**			**10/10/24**			**10/10/24**

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LAB CHRONICLE

			PCB	8082A		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-20	**SP-10**	**SOIL**			**10/10/24**			**10/10/24**
			PCB	8082A		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	

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Hit Summary Sheet
SW-846

SDG No.: P4385 **Order ID:** P4385

Client: Scheideler Excavating Co. Inc. **Project ID:** Robbinsville

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067759.D	1	10/11/24 09:00	10/11/24 17:04	PB164066

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.60	U	3.60	18.2	ug/kg
11104-28-2	Aroclor-1221	6.90	U	6.90	18.2	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.2	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.2	ug/kg
12672-29-6	Aroclor-1248	8.40	U	8.40	18.2	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.2	ug/kg
37324-23-5	Aroclor-1262	4.90	U	4.90	18.2	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.2	ug/kg
11096-82-5	Aroclor-1260	3.10	U	3.10	18.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.2		30 (32) - 150 (144)	71%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.2		30 (32) - 150 (175)	71%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	95 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067760.D	1	10/11/24 09:00	10/11/24 17:20	PB164066

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.60	U	3.60	17.9	ug/kg
11104-28-2	Aroclor-1221	6.70	U	6.70	17.9	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	17.9	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	17.9	ug/kg
12672-29-6	Aroclor-1248	8.30	U	8.30	17.9	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	17.9	ug/kg
37324-23-5	Aroclor-1262	4.80	U	4.80	17.9	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.9	ug/kg
11096-82-5	Aroclor-1260	3.10	U	3.10	17.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.9		30 (32) - 150 (144)	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		30 (32) - 150 (175)	104%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	94.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067761.D	1	10/11/24 09:00	10/11/24 17:36	PB164066

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.60	U	3.60	18.0	ug/kg
11104-28-2	Aroclor-1221	6.80	U	6.80	18.0	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.0	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.0	ug/kg
12672-29-6	Aroclor-1248	8.40	U	8.40	18.0	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.0	ug/kg
37324-23-5	Aroclor-1262	4.80	U	4.80	18.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	18.0	ug/kg
11096-82-5	Aroclor-1260	3.10	U	3.10	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		30 (32) - 150 (144)	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.8		30 (32) - 150 (175)	104%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-08	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	99.1 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067762.D	1	10/11/24 09:00	10/11/24 17:52	PB164066

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.1	ug/kg
11104-28-2	Aroclor-1221	6.50	U	6.50	17.1	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.1	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.1	ug/kg
12672-29-6	Aroclor-1248	8.00	U	8.00	17.1	ug/kg
11097-69-1	Aroclor-1254	2.80	U	2.80	17.1	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.1	ug/kg
11100-14-4	Aroclor-1268	3.50	U	3.50	17.1	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		30 (32) - 150 (144)	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.1		30 (32) - 150 (175)	115%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067763.D	1	10/11/24 09:00	10/11/24 18:08	PB164066

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.60	U	3.60	18.2	ug/kg
11104-28-2	Aroclor-1221	6.90	U	6.90	18.2	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.2	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.2	ug/kg
12672-29-6	Aroclor-1248	8.40	U	8.40	18.2	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.2	ug/kg
37324-23-5	Aroclor-1262	4.90	U	4.90	18.2	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.2	ug/kg
11096-82-5	Aroclor-1260	3.10	U	3.10	18.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.6		30 (32) - 150 (144)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.3		30 (32) - 150 (175)	106%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-12	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	93 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067764.D	1	10/11/24 09:00	10/11/24 18:25	PB164066

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.60	U	3.60	18.2	ug/kg
11104-28-2	Aroclor-1221	6.90	U	6.90	18.2	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.2	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.2	ug/kg
12672-29-6	Aroclor-1248	8.50	U	8.50	18.2	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.2	ug/kg
37324-23-5	Aroclor-1262	4.90	U	4.90	18.2	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.2	ug/kg
11096-82-5	Aroclor-1260	3.10	U	3.10	18.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		30 (32) - 150 (144)	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.4		30 (32) - 150 (175)	107%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	93.8 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067765.D	1	10/11/24 09:00	10/11/24 18:41	PB164066

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.60	U	3.60	18.1	ug/kg
11104-28-2	Aroclor-1221	6.80	U	6.80	18.1	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.1	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.1	ug/kg
12672-29-6	Aroclor-1248	8.40	U	8.40	18.1	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.1	ug/kg
37324-23-5	Aroclor-1262	4.90	U	4.90	18.1	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.1	ug/kg
11096-82-5	Aroclor-1260	3.10	U	3.10	18.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.7		30 (32) - 150 (144)	74%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.3		30 (32) - 150 (175)	77%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	94.3 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067766.D	1	10/11/24 09:00	10/11/24 18:57	PB164066

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.60	U	3.60	18.0	ug/kg
11104-28-2	Aroclor-1221	6.80	U	6.80	18.0	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.0	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.0	ug/kg
12672-29-6	Aroclor-1248	8.40	U	8.40	18.0	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.0	ug/kg
37324-23-5	Aroclor-1262	4.80	U	4.80	18.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	18.0	ug/kg
11096-82-5	Aroclor-1260	3.10	U	3.10	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		30 (32) - 150 (144)	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.0		30 (32) - 150 (175)	100%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067767.D	1	10/11/24 09:00	10/11/24 19:13	PB164066

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.60	U	3.60	18.2	ug/kg
11104-28-2	Aroclor-1221	6.90	U	6.90	18.2	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.2	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.2	ug/kg
12672-29-6	Aroclor-1248	8.40	U	8.40	18.2	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.2	ug/kg
37324-23-5	Aroclor-1262	4.90	U	4.90	18.2	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.2	ug/kg
11096-82-5	Aroclor-1260	3.10	U	3.10	18.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		30 (32) - 150 (144)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.8		30 (32) - 150 (175)	104%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	94.4 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067768.D	1	10/11/24 09:00	10/11/24 19:29	PB164066

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.60	U	3.60	18.0	ug/kg
11104-28-2	Aroclor-1221	6.80	U	6.80	18.0	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.0	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.0	ug/kg
12672-29-6	Aroclor-1248	8.30	U	8.30	18.0	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.0	ug/kg
37324-23-5	Aroclor-1262	4.80	U	4.80	18.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	18.0	ug/kg
11096-82-5	Aroclor-1260	3.10	U	3.10	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.9		30 (32) - 150 (144)	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.1		30 (32) - 150 (175)	105%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP067586.D	PIBLK-PP067586.D	Tetrachloro-m-xylene	1	20	21.1	105		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.6	118		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.1	110		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.5	117		70 (60)	130 (140)
I.BLK-PP067744.D	PIBLK-PP067744.D	Tetrachloro-m-xylene	1	20	21.6	108		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.6	118		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.6	103		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.6	113		70 (60)	130 (140)
PB164066BL	PB164066BL	Tetrachloro-m-xylene	1	20	19.2	96		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.0	100		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.0	95		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.1	101		30 (32)	150 (175)
PB164066BS	PB164066BS	Tetrachloro-m-xylene	1	20	20.4	102		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.7	108		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.4	97		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.8	104		30 (32)	150 (175)
I.BLK-PP067758.D	PIBLK-PP067758.D	Tetrachloro-m-xylene	1	20	22.0	110		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.9	119		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.1	105		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.1	116		70 (60)	130 (140)
P4385-02	SP-1	Tetrachloro-m-xylene	1	20	14.2	71		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	14.2	71		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	14.0	70		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	13.8	69		30 (32)	150 (175)
P4385-04	SP-2	Tetrachloro-m-xylene	1	20	20.9	105		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.9	104		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.6	103		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.3	102		30 (32)	150 (175)
P4385-06	SP-3	Tetrachloro-m-xylene	1	20	20.3	101		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.8	104		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.6	98		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.0	100		30 (32)	150 (175)
P4385-08	SP-4	Tetrachloro-m-xylene	1	20	21.9	109		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	23.1	115		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.2	106		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.8	109		30 (32)	150 (175)
P4385-10	SP-5	Tetrachloro-m-xylene	1	20	20.6	103		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.3	106		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.8	99		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.3	101		30 (32)	150 (175)
P4385-12	SP-6	Tetrachloro-m-xylene	1	20	21.4	107		30 (32)	150 (144)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
P4385-12	SP-6	Decachlorobiphenyl	1	20	21.4	107		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.4	107		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.4	102		30 (32)	150 (175)
P4385-14	SP-7	Tetrachloro-m-xylene	1	20	14.7	74		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	15.3	77		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	14.3	71		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	14.9	75		30 (32)	150 (175)
P4385-16	SP-8	Tetrachloro-m-xylene	1	20	19.3	97		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.0	100		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.5	98		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.8	94		30 (32)	150 (175)
P4385-18	SP-9	Tetrachloro-m-xylene	1	20	20.4	102		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.8	104		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.0	100		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.3	96		30 (32)	150 (175)
P4385-20	SP-10	Tetrachloro-m-xylene	1	20	20.9	104		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.1	105		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.4	102		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.6	98		30 (32)	150 (175)
P4385-20MS	SP-10MS	Tetrachloro-m-xylene	1	20	21.6	108		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.7	104		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.5	97		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.0	95		30 (32)	150 (175)
P4385-20MSD	SP-10MSD	Tetrachloro-m-xylene	1	20	21.7	108		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.7	103		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.1	96		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.9	95		30 (32)	150 (175)
I.BLK-PP067772.D	PIBLK-PP067772.D	Tetrachloro-m-xylene	1	20	22.6	113		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.6	118		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.6	108		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.5	113		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8082A **DataFile :** PP067769.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**SP-10MS**											
P4385-20MS	AR1016	176.1	0	171	ug/kg	97				40 (55)	140 (146)	
	AR1260	176.1	0	169	ug/kg	96				40 (45)	140 (144)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8082A **DataFile :** PP067770.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**SP-10MSD**											
P4385-20MSD	AR1016	176.4	0	175	ug/kg	99		2		40 (55)	140 (146)	30 (20)
	AR1260	176.4	0	169	ug/kg	96		0		40 (45)	140 (144)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8082A **Datafile :** PP067753.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164066BS	AR1016	166.6	146	ug/kg	88				40 (71)	140 (120)	
	AR1260	166.6	137	ug/kg	82				40 (65)	140 (130)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164066BL

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

Lab Sample ID: PB164066BL Lab File ID: PP067752.D

Matrix: (soil/water) Solid Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 10/11/2024

Date Analyzed (1): 10/11/2024 Date Analyzed (2): 10/11/2024

Time Analyzed (1): 15:11 Time Analyzed (2): 15:11

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164066BS	PB164066BS	PP067753.D	10/11/2024	10/11/2024
SP-1	P4385-02	PP067759.D	10/11/2024	10/11/2024
SP-2	P4385-04	PP067760.D	10/11/2024	10/11/2024
SP-3	P4385-06	PP067761.D	10/11/2024	10/11/2024
SP-4	P4385-08	PP067762.D	10/11/2024	10/11/2024
SP-5	P4385-10	PP067763.D	10/11/2024	10/11/2024
SP-6	P4385-12	PP067764.D	10/11/2024	10/11/2024
SP-7	P4385-14	PP067765.D	10/11/2024	10/11/2024
SP-8	P4385-16	PP067766.D	10/11/2024	10/11/2024
SP-9	P4385-18	PP067767.D	10/11/2024	10/11/2024
SP-10	P4385-20	PP067768.D	10/11/2024	10/11/2024
SP-10MS	P4385-20MS	PP067769.D	10/11/2024	10/11/2024
SP-10MSD	P4385-20MSD	PP067770.D	10/11/2024	10/11/2024

COMMENTS:

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP067587.D RT 750 = PP067588.D

RT 500 = PP067589.D RT 250 = PP067590.D RT 050 = PP067591.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1016-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1016-3	(3)	6.00	6.00	6.01	6.00	6.01	6.00	5.90	6.10
Aroclor-1016-4	(4)	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Aroclor-1016-5	(5)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1260-1	(1)	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1260-2	(2)	7.77	7.77	7.78	7.77	7.77	7.77	7.67	7.87
Aroclor-1260-3	(3)	8.13	8.14	8.14	8.14	8.14	8.14	8.04	8.24
Aroclor-1260-4	(4)	8.37	8.37	8.38	8.37	8.37	8.37	8.27	8.47
Aroclor-1260-5	(5)	8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene		4.75	4.75	4.76	4.75	4.76	4.75	4.65	4.85
Aroclor-1242-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1242-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1242-3	(3)	6.01	6.01	6.00	6.01	6.01	6.01	5.91	6.11
Aroclor-1242-4	(4)	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Aroclor-1242-5	(5)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene		4.76	4.76	4.75	4.76	4.75	4.75	4.65	4.85
Aroclor-1248-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1248-2	(2)	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
Aroclor-1248-3	(3)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1248-4	(4)	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Aroclor-1248-5	(5)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.66	10.67	10.57	10.77
Tetrachloro-m-xylene		4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1254-1	(1)	6.77	6.77	6.77	6.77	6.77	6.77	6.67	6.87
Aroclor-1254-2	(2)	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
Aroclor-1254-3	(3)	7.36	7.36	7.35	7.36	7.36	7.36	7.26	7.46
Aroclor-1254-4	(4)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1254-5	(5)	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.66	10.67	10.57	10.77
Tetrachloro-m-xylene		4.76	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1268-1	(1)	9.05	9.04	9.04	9.04	9.04	9.04	8.94	9.14
Aroclor-1268-2	(2)	9.15	9.14	9.14	9.14	9.14	9.14	9.04	9.24
Aroclor-1268-3	(3)	9.40	9.39	9.40	9.39	9.40	9.40	9.30	9.50
Aroclor-1268-4	(4)	9.84	9.84	9.84	9.84	9.84	9.84	9.74	9.94
Aroclor-1268-5	(5)	10.30	10.29	10.29	10.29	10.29	10.29	10.19	10.39

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.67	10.67	10.67	10.67	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene	4.76	4.75	4.75	4.75	4.75	4.75	4.65	4.85

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP067587.D RT 750 = PP067588.D

RT 500 = PP067589.D RT 250 = PP067590.D RT 050 = PP067591.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1016-2	(2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1016-3	(3)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1016-4	(4)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1016-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1260-1	(1)	6.66	6.66	6.66	6.66	6.66	6.66	6.56	6.76
Aroclor-1260-2	(2)	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
Aroclor-1260-3	(3)	7.01	7.01	7.01	7.01	7.01	7.01	6.91	7.11
Aroclor-1260-4	(4)	7.48	7.48	7.48	7.48	7.48	7.48	7.38	7.58
Aroclor-1260-5	(5)	7.72	7.72	7.72	7.72	7.72	7.72	7.62	7.82
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1242-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1242-2	(2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1242-3	(3)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1242-4	(4)	5.45	5.45	5.45	5.44	5.45	5.45	5.35	5.55
Aroclor-1242-5	(5)	5.97	5.98	5.98	5.97	5.98	5.98	5.88	6.08
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1248-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-2	(2)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1248-3	(3)	5.44	5.45	5.44	5.44	5.45	5.44	5.34	5.54
Aroclor-1248-4	(4)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1248-5	(5)	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1254-1	(1)	5.98	5.97	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1254-2	(2)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1254-3	(3)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1254-4	(4)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Aroclor-1254-5	(5)	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1268-1	(1)	8.01	8.01	8.01	8.01	8.01	8.01	7.91	8.11
Aroclor-1268-2	(2)	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
Aroclor-1268-3	(3)	8.29	8.29	8.29	8.29	8.29	8.29	8.19	8.39
Aroclor-1268-4	(4)	8.60	8.60	8.60	8.60	8.60	8.60	8.50	8.70
Aroclor-1268-5	(5)	8.93	8.93	8.93	8.92	8.93	8.93	8.83	9.03

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene	4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: **CF 1000 =** PP067587.D **CF 750 =** PP067588.D

CF 500 = PP067589.D **CF 250 =** PP067590.D **CF 050 =** PP067591.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	31263736	32233361	34196172	36221284	31418860	33066683	6
Aroclor-1016-2	(2)	45702590	47619661	49829602	53216480	47485960	48770859	6
Aroclor-1016-3	(3)	29655293	30980703	32521866	34545868	29856000	31511946	6
Aroclor-1016-4	(4)	24305642	24965132	26130902	27480568	25835960	25743641	5
Aroclor-1016-5	(5)	25253642	26507995	28106138	29556500	25910240	27066903	6
Aroclor-1260-1	(1)	48881600	51062627	53497292	60189956	56487000	54023695	8
Aroclor-1260-2	(2)	57303356	59473712	62743556	68896016	67937280	63270784	8
Aroclor-1260-3	(3)	47767972	49860571	52672962	57075820	51866880	51848841	7
Aroclor-1260-4	(4)	55679811	58146343	61152700	66302976	59690240	60194414	7
Aroclor-1260-5	(5)	101142428	103711039	108382514	116162164	109162380	107712105	5
Decachlorobiphenyl		1047572970	1092521333	1163088620	1272493760	1180845600	1151304457	8
Tetrachloro-m-xylene		918389550	937648760	969374660	977965440	824831600	925642002	7
Aroclor-1242-1	(1)	26136486	27020177	28880182	30131840	27517000	27937137	6
Aroclor-1242-2	(2)	37560737	39520053	41823206	43424048	40845460	40634701	5
Aroclor-1242-3	(3)	24775066	25964975	27626992	28013716	28443000	26964750	6
Aroclor-1242-4	(4)	19919938	20877219	22020082	22198916	22236220	21450475	5
Aroclor-1242-5	(5)	22664411	23310707	24494326	25449828	24710200	24125894	5
Decachlorobiphenyl		1049846500	1096431853	1183590260	1273416280	1210794800	1162815939	8
Tetrachloro-m-xylene		918045770	945319107	991838280	988565840	844744200	937702639	6
Aroclor-1248-1	(1)	19592099	21187299	21900336	23649416	20785280	21422886	7
Aroclor-1248-2	(2)	29912773	32262593	34275072	36926580	34706360	33616676	8
Aroclor-1248-3	(3)	33038688	35344895	37623064	40558304	36562360	36625462	8
Aroclor-1248-4	(4)	36925252	39416441	41800322	44728924	39382640	40450716	7
Aroclor-1248-5	(5)	36740691	38953265	40984016	43781648	37845340	39660992	7
Decachlorobiphenyl		1055450820	1109667187	1169649200	1282118000	1302489400	1183874921	9
Tetrachloro-m-xylene		902146960	926581653	953867240	992359080	895156800	934022347	4
Aroclor-1254-1	(1)	40350769	42082559	45284156	48868552	47326420	44782491	8
Aroclor-1254-2	(2)	59814731	62129524	65787698	71625140	71131660	66097751	8
Aroclor-1254-3	(3)	64043672	65831181	69388346	74782692	73217700	69452718	7
Aroclor-1254-4	(4)	45989306	47460167	50157578	54420004	51495700	49904551	7
Aroclor-1254-5	(5)	54192853	57072867	59852552	64108404	61236860	59292707	6
Decachlorobiphenyl		1068499200	1106116080	1182150460	1298012320	1262855400	1183526692	8
Tetrachloro-m-xylene		931363580	935898013	956149560	989159640	878805200	938275199	4
Aroclor-1268-1	(1)	139515419	144470283	150997662	162718796	165540620	152648556	7

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	125679796	130088461	136577130	145743784	144888120	136595458	6
Aroclor-1268-3	(3)	110668977	116741077	119635012	130534268	127010440	120917955	7
Aroclor-1268-4	(4)	48063749	49890017	52720184	55641072	47784700	50819944	7
Aroclor-1268-5	(5)	348373365	356693093	372169718	389623012	400486540	373469146	6
Decachlorobiphenyl		1758376420	1827520213	1952930880	2093924120	2163079000	1959166127	9
Tetrachloro-m-xylene		908125750	922962547	955684560	986676760	888810200	932451963	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: **CF 1000 =** PP067587.D **CF 750 =** PP067588.D

CF 500 = PP067589.D **CF 250 =** PP067590.D **CF 050 =** PP067591.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	32214100	33511487	34894776	37855020	36460880	34987253	6
Aroclor-1016-2	(2)	45072170	46943971	48711842	52177748	47937020	48168550	5
Aroclor-1016-3	(3)	25675074	27277663	27567444	28514452	25652840	26937495	5
Aroclor-1016-4	(4)	22207756	23688287	24482426	25758704	24288360	24085107	5
Aroclor-1016-5	(5)	28303958	30184395	30998408	32062244	30500300	30409861	5
Aroclor-1260-1	(1)	51490839	53867885	56846930	62693500	59910740	56961979	8
Aroclor-1260-2	(2)	60685581	63183867	66653346	73175968	69823160	66704384	8
Aroclor-1260-3	(3)	58195863	60818087	64471984	69084640	65935040	63701123	7
Aroclor-1260-4	(4)	51141777	52463477	55669740	60213672	56975040	55292741	7
Aroclor-1260-5	(5)	115751172	117431688	122205526	128041940	128062520	122298569	5
Decachlorobiphenyl		1016699470	1064912133	1114817860	1215156720	1195705800	1121458397	8
Tetrachloro-m-xylene		976302160	1002778080	1038188640	1086259240	948485600	1010402744	5
Aroclor-1242-1	(1)	26643227	27902807	30082486	31864192	28889440	29076430	7
Aroclor-1242-2	(2)	37173910	38324184	40855302	43058560	41326680	40147727	6
Aroclor-1242-3	(3)	21209836	21846417	23389330	23608008	22421520	22495022	5
Aroclor-1242-4	(4)	21894421	22781385	24633780	25302636	24076280	23737700	6
Aroclor-1242-5	(5)	25904963	27452171	28860038	30792124	30238540	28649567	7
Decachlorobiphenyl		1030873660	1074484253	1144199140	1227463640	1208383800	1137080899	7
Tetrachloro-m-xylene		979317100	1008877893	1048426020	1079705600	995407400	1022346803	4
Aroclor-1248-1	(1)	20323070	21892911	22863994	24075660	24163260	22663779	7
Aroclor-1248-2	(2)	29599820	31598663	33173378	36121664	34985540	33095813	8
Aroclor-1248-3	(3)	31098926	33116664	34686272	37576628	35894680	34474634	7
Aroclor-1248-4	(4)	36529837	38774123	40329020	44225180	44921420	40955916	9
Aroclor-1248-5	(5)	34201195	35911461	37616042	40473884	39013140	37443144	7
Decachlorobiphenyl		1032353410	1073137907	1131465640	1215505400	1241215600	1138735591	8
Tetrachloro-m-xylene		952656120	994994613	1000591240	1068188360	991037600	1001493587	4
Aroclor-1254-1	(1)	53478224	54895953	58959138	64085456	64000720	59083898	8
Aroclor-1254-2	(2)	47135286	48672312	52146652	56922440	57444240	52464186	9
Aroclor-1254-3	(3)	76675976	78569371	83205416	89086976	88502520	83208052	7
Aroclor-1254-4	(4)	44235570	45939643	48363680	51938700	50893660	48274251	7
Aroclor-1254-5	(5)	68142947	70671431	73760414	78813244	76368180	73551243	6
Decachlorobiphenyl		1041164600	1082182560	1142537200	1244245720	1270180600	1156062136	9
Tetrachloro-m-xylene		969890570	991360533	1038975520	1064707400	994465600	1011879925	4
Aroclor-1268-1	(1)	146986557	151844596	158019168	168079912	170778780	159141803	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	133073925	137248829	142523422	151222024	151862520	143186144	6
Aroclor-1268-3	(3)	117364027	121504320	126517254	135757020	136405580	127509640	7
Aroclor-1268-4	(4)	51956547	53952379	54797154	61002600	60671520	56476040	7
Aroclor-1268-5	(5)	359344903	364434196	374618632	391618688	400161860	378035656	5
Decachlorobiphenyl		1755186720	1802467867	1889666160	2047579480	2153015200	1929583085	9
Tetrachloro-m-xylene		970169850	991215560	1007059780	1064676080	979052800	1002434814	4

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Instrument ID: ECD_P **Date(s) Analyzed:** 10/08/2024 10/08/2024

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.96	4.86	5.06	12809900
		2	5.04	4.94	5.14	9460580
		3	5.12	5.02	5.22	28907800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.12	5.02	5.22	22859800
		2	5.65	5.55	5.75	11783000
		3	5.94	5.84	6.04	22275000
		4	6.10	6.00	6.20	11287400
		5	6.19	6.09	6.29	9120180
Aroclor-1262	500	1	8.37	8.27	8.47	71771400
		2	8.71	8.61	8.81	121580000
		3	9.05	8.95	9.15	88514200
		4	9.14	9.04	9.24	69944800
		5	9.84	9.74	9.94	46791200

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Instrument ID: ECD_P **Date(s) Analyzed:** 10/08/2024 10/08/2024

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.27	4.17	4.37	13170200
		2	4.36	4.26	4.46	9961240
		3	4.43	4.33	4.53	31131200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.43	4.33	4.53	24333000
		2	5.18	5.08	5.28	22365000
		3	5.36	5.26	5.46	11943800
		4	5.45	5.35	5.55	11531400
		5	5.62	5.52	5.72	13450300
Aroclor-1262	500	1	7.22	7.12	7.32	78673400
		2	7.48	7.38	7.58	70962000
		3	8.01	7.91	8.11	57099400
		4	8.07	7.97	8.17	100436000
		5	8.60	8.50	8.70	50017800

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 09:08 **Initial Calibration Time(s):** 16:30 23:46

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.10	6.10	6.00	6.20	0.00
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.77	7.78	7.68	7.88	0.01
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.37	8.38	8.28	8.48	0.01
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.75	4.76	4.66	4.86	0.01
Decachlorobiphenyl		10.67	10.67	10.57	10.77	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 09:08 **Initial Calibration Time(s):** 16:30 23:46

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/11/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067740.D **Time Analyzed:** 09:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.918	5.819	6.019	509.520	500.000	1.9
Aroclor-1016-2	5.941	5.842	6.042	496.280	500.000	-0.7
Aroclor-1016-3	6.005	5.905	6.105	501.510	500.000	0.3
Aroclor-1016-4	6.103	6.003	6.203	493.640	500.000	-1.3
Aroclor-1016-5	6.397	6.298	6.498	487.460	500.000	-2.5
Aroclor-1260-1	7.521	7.422	7.622	466.340	500.000	-6.7
Aroclor-1260-2	7.774	7.675	7.875	471.010	500.000	-5.8
Aroclor-1260-3	8.135	8.037	8.237	459.690	500.000	-8.1
Aroclor-1260-4	8.374	8.275	8.475	470.660	500.000	-5.9
Aroclor-1260-5	8.711	8.612	8.812	483.490	500.000	-3.3
Decachlorobiphenyl	10.668	10.569	10.769	50.020	50.000	0.0
Tetrachloro-m-xylene	4.754	4.655	4.855	50.420	50.000	0.8

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/11/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067740.D **Time Analyzed:** 09:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.160	5.061	5.261	476.060	500.000	-4.8
Aroclor-1016-2	5.179	5.081	5.281	480.500	500.000	-3.9
Aroclor-1016-3	5.360	5.262	5.462	489.680	500.000	-2.1
Aroclor-1016-4	5.399	5.301	5.501	486.210	500.000	-2.8
Aroclor-1016-5	5.618	5.520	5.720	482.760	500.000	-3.4
Aroclor-1260-1	6.662	6.564	6.764	465.490	500.000	-6.9
Aroclor-1260-2	6.848	6.750	6.950	470.020	500.000	-6.0
Aroclor-1260-3	7.006	6.908	7.108	463.750	500.000	-7.3
Aroclor-1260-4	7.481	7.383	7.583	463.740	500.000	-7.3
Aroclor-1260-5	7.719	7.622	7.822	468.920	500.000	-6.2
Decachlorobiphenyl	9.214	9.119	9.319	46.980	50.000	-6.0
Tetrachloro-m-xylene	4.051	3.952	4.152	48.260	50.000	-3.5

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 16:15 **Initial Calibration Time(s):** 16:30 23:46

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.00	6.01	5.91	6.11	0.01
Aroclor-1016-4	(4)	6.10	6.10	6.00	6.20	0.00
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.01
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.77	7.78	7.68	7.88	0.01
Aroclor-1260-3	(3)	8.13	8.14	8.04	8.24	0.01
Aroclor-1260-4	(4)	8.37	8.38	8.28	8.48	0.01
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.75	4.76	4.66	4.86	0.01
Decachlorobiphenyl		10.66	10.67	10.57	10.77	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 16:15 **Initial Calibration Time(s):** 16:30 23:46

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.22	9.22	9.12	9.32	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/11/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067756.D **Time Analyzed:** 16:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.918	5.819	6.019	499.260	500.000	-0.1
Aroclor-1016-2	5.940	5.842	6.042	491.190	500.000	-1.8
Aroclor-1016-3	6.004	5.905	6.105	491.960	500.000	-1.6
Aroclor-1016-4	6.102	6.003	6.203	491.910	500.000	-1.6
Aroclor-1016-5	6.395	6.298	6.498	497.590	500.000	-0.5
Aroclor-1260-1	7.520	7.422	7.622	477.650	500.000	-4.5
Aroclor-1260-2	7.773	7.675	7.875	477.550	500.000	-4.5
Aroclor-1260-3	8.134	8.037	8.237	479.780	500.000	-4.0
Aroclor-1260-4	8.371	8.275	8.475	475.540	500.000	-4.9
Aroclor-1260-5	8.709	8.612	8.812	478.090	500.000	-4.4
Decachlorobiphenyl	10.664	10.569	10.769	49.000	50.000	-2.0
Tetrachloro-m-xylene	4.754	4.655	4.855	49.740	50.000	-0.5

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/11/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067756.D **Time Analyzed:** 16:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.159	5.061	5.261	478.370	500.000	-4.3
Aroclor-1016-2	5.180	5.081	5.281	478.910	500.000	-4.2
Aroclor-1016-3	5.360	5.262	5.462	491.450	500.000	-1.7
Aroclor-1016-4	5.399	5.301	5.501	487.170	500.000	-2.6
Aroclor-1016-5	5.618	5.520	5.720	499.380	500.000	-0.1
Aroclor-1260-1	6.662	6.564	6.764	475.180	500.000	-5.0
Aroclor-1260-2	6.849	6.750	6.950	474.650	500.000	-5.1
Aroclor-1260-3	7.007	6.908	7.108	478.930	500.000	-4.2
Aroclor-1260-4	7.481	7.383	7.583	475.530	500.000	-4.9
Aroclor-1260-5	7.720	7.622	7.822	468.280	500.000	-6.3
Decachlorobiphenyl	9.215	9.119	9.319	47.250	50.000	-5.5
Tetrachloro-m-xylene	4.051	3.952	4.152	48.980	50.000	-2.0

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 20:39 **Initial Calibration Time(s):** 16:30 23:46

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.00	6.01	5.91	6.11	0.01
Aroclor-1016-4	(4)	6.10	6.10	6.00	6.20	0.00
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.01
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.77	7.78	7.68	7.88	0.01
Aroclor-1260-3	(3)	8.13	8.14	8.04	8.24	0.01
Aroclor-1260-4	(4)	8.37	8.38	8.28	8.48	0.01
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.75	4.76	4.66	4.86	0.01
Decachlorobiphenyl		10.66	10.67	10.57	10.77	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 20:39 **Initial Calibration Time(s):** 16:30 23:46

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.22	9.22	9.12	9.32	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/11/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067771.D **Time Analyzed:** 20:39

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.917	5.819	6.019	501.520	500.000	0.3
Aroclor-1016-2	5.939	5.842	6.042	495.300	500.000	-0.9
Aroclor-1016-3	6.003	5.905	6.105	498.980	500.000	-0.2
Aroclor-1016-4	6.101	6.003	6.203	491.030	500.000	-1.8
Aroclor-1016-5	6.395	6.298	6.498	497.020	500.000	-0.6
Aroclor-1260-1	7.519	7.422	7.622	477.900	500.000	-4.4
Aroclor-1260-2	7.772	7.675	7.875	473.830	500.000	-5.2
Aroclor-1260-3	8.134	8.037	8.237	477.770	500.000	-4.4
Aroclor-1260-4	8.372	8.275	8.475	472.560	500.000	-5.5
Aroclor-1260-5	8.708	8.612	8.812	477.560	500.000	-4.5
Decachlorobiphenyl	10.664	10.569	10.769	49.130	50.000	-1.7
Tetrachloro-m-xylene	4.753	4.655	4.855	50.380	50.000	0.8

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/11/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP067771.D **Time Analyzed:** 20:39

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.160	5.061	5.261	485.890	500.000	-2.8
Aroclor-1016-2	5.180	5.081	5.281	487.420	500.000	-2.5
Aroclor-1016-3	5.360	5.262	5.462	491.980	500.000	-1.6
Aroclor-1016-4	5.399	5.301	5.501	488.190	500.000	-2.4
Aroclor-1016-5	5.618	5.520	5.720	490.540	500.000	-1.9
Aroclor-1260-1	6.662	6.564	6.764	472.260	500.000	-5.5
Aroclor-1260-2	6.849	6.750	6.950	473.030	500.000	-5.4
Aroclor-1260-3	7.006	6.908	7.108	469.950	500.000	-6.0
Aroclor-1260-4	7.482	7.383	7.583	464.260	500.000	-7.1
Aroclor-1260-5	7.720	7.622	7.822	462.070	500.000	-7.6
Decachlorobiphenyl	9.215	9.119	9.319	46.350	50.000	-7.3
Tetrachloro-m-xylene	4.051	3.952	4.152	49.760	50.000	-0.5

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Analytical Sequence

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Project: Robbinsville **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/08/2024 10/08/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/08/2024	16:14	PP067586.D	10.67	4.75
AR1660ICC1000	AR1660ICC1000	10/08/2024	16:30	PP067587.D	10.67	4.75
AR1660ICC750	AR1660ICC750	10/08/2024	16:46	PP067588.D	10.67	4.75
AR1660ICC500	AR1660ICC500	10/08/2024	17:02	PP067589.D	10.67	4.76
AR1660ICC250	AR1660ICC250	10/08/2024	17:19	PP067590.D	10.67	4.75
AR1660ICC050	AR1660ICC050	10/08/2024	17:35	PP067591.D	10.67	4.76
AR1221ICC500	AR1221ICC500	10/08/2024	17:51	PP067592.D	10.67	4.75
AR1232ICC500	AR1232ICC500	10/08/2024	18:07	PP067593.D	10.67	4.75
AR1242ICC1000	AR1242ICC1000	10/08/2024	18:23	PP067594.D	10.67	4.76
AR1242ICC750	AR1242ICC750	10/08/2024	18:39	PP067595.D	10.67	4.76
AR1242ICC500	AR1242ICC500	10/08/2024	18:55	PP067596.D	10.67	4.75
AR1242ICC250	AR1242ICC250	10/08/2024	19:12	PP067597.D	10.67	4.76
AR1242ICC050	AR1242ICC050	10/08/2024	19:28	PP067598.D	10.67	4.75
AR1248ICC1000	AR1248ICC1000	10/08/2024	19:44	PP067599.D	10.67	4.75
AR1248ICC750	AR1248ICC750	10/08/2024	20:00	PP067600.D	10.67	4.75
AR1248ICC500	AR1248ICC500	10/08/2024	20:16	PP067601.D	10.67	4.75
AR1248ICC250	AR1248ICC250	10/08/2024	20:32	PP067602.D	10.67	4.75
AR1248ICC050	AR1248ICC050	10/08/2024	20:49	PP067603.D	10.66	4.75
AR1254ICC1000	AR1254ICC1000	10/08/2024	21:05	PP067604.D	10.67	4.76
AR1254ICC750	AR1254ICC750	10/08/2024	21:21	PP067605.D	10.67	4.75
AR1254ICC500	AR1254ICC500	10/08/2024	21:37	PP067606.D	10.67	4.75
AR1254ICC250	AR1254ICC250	10/08/2024	21:53	PP067607.D	10.67	4.75
AR1254ICC050	AR1254ICC050	10/08/2024	22:09	PP067608.D	10.66	4.75
AR1262ICC500	AR1262ICC500	10/08/2024	22:25	PP067609.D	10.66	4.75
AR1268ICC1000	AR1268ICC1000	10/08/2024	22:42	PP067610.D	10.67	4.76
AR1268ICC750	AR1268ICC750	10/08/2024	22:58	PP067611.D	10.67	4.75
AR1268ICC500	AR1268ICC500	10/08/2024	23:14	PP067612.D	10.67	4.75
AR1268ICC250	AR1268ICC250	10/08/2024	23:30	PP067613.D	10.67	4.75
AR1268ICC050	AR1268ICC050	10/08/2024	23:46	PP067614.D	10.67	4.75
AR1660CCC500	AR1660CCC500	10/11/2024	09:08	PP067740.D	10.67	4.75
I.BLK	I.BLK	10/11/2024	10:12	PP067744.D	10.67	4.76
PB164066BL	PB164066BL	10/11/2024	15:11	PP067752.D	10.67	4.75
PB164066BS	PB164066BS	10/11/2024	15:27	PP067753.D	10.67	4.75
AR1660CCC500	AR1660CCC500	10/11/2024	16:15	PP067756.D	10.66	4.75
I.BLK	I.BLK	10/11/2024	16:48	PP067758.D	10.67	4.76
SP-1	P4385-02	10/11/2024	17:04	PP067759.D	10.67	4.75
SP-2	P4385-04	10/11/2024	17:20	PP067760.D	10.67	4.75
SP-3	P4385-06	10/11/2024	17:36	PP067761.D	10.67	4.75
SP-4	P4385-08	10/11/2024	17:52	PP067762.D	10.67	4.75
SP-5	P4385-10	10/11/2024	18:08	PP067763.D	10.67	4.75
SP-6	P4385-12	10/11/2024	18:25	PP067764.D	10.66	4.75
SP-7	P4385-14	10/11/2024	18:41	PP067765.D	10.67	4.76

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Analytical Sequence

SP-8	P4385-16	10/11/2024	18:57	PP067766.D	10.67	4.75
SP-9	P4385-18	10/11/2024	19:13	PP067767.D	10.67	4.75
SP-10	P4385-20	10/11/2024	19:29	PP067768.D	10.67	4.76
SP-10MS	P4385-20MS	10/11/2024	19:45	PP067769.D	10.66	4.75
SP-10MSD	P4385-20MSD	10/11/2024	20:01	PP067770.D	10.67	4.75
AR1660CCC500	AR1660CCC500	10/11/2024	20:39	PP067771.D	10.66	4.75
I.BLK	I.BLK	10/11/2024	20:55	PP067772.D	10.67	4.76

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Analytical Sequence

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Project: Robbinsville **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/08/2024 10/08/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/08/2024	16:14	PP067586.D	9.22	4.05
AR1660ICC1000	AR1660ICC1000	10/08/2024	16:30	PP067587.D	9.22	4.05
AR1660ICC750	AR1660ICC750	10/08/2024	16:46	PP067588.D	9.22	4.05
AR1660ICC500	AR1660ICC500	10/08/2024	17:02	PP067589.D	9.22	4.05
AR1660ICC250	AR1660ICC250	10/08/2024	17:19	PP067590.D	9.22	4.05
AR1660ICC050	AR1660ICC050	10/08/2024	17:35	PP067591.D	9.22	4.05
AR1221ICC500	AR1221ICC500	10/08/2024	17:51	PP067592.D	9.22	4.05
AR1232ICC500	AR1232ICC500	10/08/2024	18:07	PP067593.D	9.22	4.05
AR1242ICC1000	AR1242ICC1000	10/08/2024	18:23	PP067594.D	9.22	4.05
AR1242ICC750	AR1242ICC750	10/08/2024	18:39	PP067595.D	9.22	4.05
AR1242ICC500	AR1242ICC500	10/08/2024	18:55	PP067596.D	9.22	4.05
AR1242ICC250	AR1242ICC250	10/08/2024	19:12	PP067597.D	9.22	4.05
AR1242ICC050	AR1242ICC050	10/08/2024	19:28	PP067598.D	9.22	4.05
AR1248ICC1000	AR1248ICC1000	10/08/2024	19:44	PP067599.D	9.22	4.05
AR1248ICC750	AR1248ICC750	10/08/2024	20:00	PP067600.D	9.22	4.05
AR1248ICC500	AR1248ICC500	10/08/2024	20:16	PP067601.D	9.22	4.05
AR1248ICC250	AR1248ICC250	10/08/2024	20:32	PP067602.D	9.22	4.05
AR1248ICC050	AR1248ICC050	10/08/2024	20:49	PP067603.D	9.22	4.05
AR1254ICC1000	AR1254ICC1000	10/08/2024	21:05	PP067604.D	9.22	4.05
AR1254ICC750	AR1254ICC750	10/08/2024	21:21	PP067605.D	9.22	4.05
AR1254ICC500	AR1254ICC500	10/08/2024	21:37	PP067606.D	9.22	4.05
AR1254ICC250	AR1254ICC250	10/08/2024	21:53	PP067607.D	9.22	4.05
AR1254ICC050	AR1254ICC050	10/08/2024	22:09	PP067608.D	9.22	4.05
AR1262ICC500	AR1262ICC500	10/08/2024	22:25	PP067609.D	9.22	4.05
AR1268ICC1000	AR1268ICC1000	10/08/2024	22:42	PP067610.D	9.22	4.05
AR1268ICC750	AR1268ICC750	10/08/2024	22:58	PP067611.D	9.22	4.05
AR1268ICC500	AR1268ICC500	10/08/2024	23:14	PP067612.D	9.22	4.05
AR1268ICC250	AR1268ICC250	10/08/2024	23:30	PP067613.D	9.22	4.05
AR1268ICC050	AR1268ICC050	10/08/2024	23:46	PP067614.D	9.22	4.05
AR1660CCC500	AR1660CCC500	10/11/2024	09:08	PP067740.D	9.21	4.05
I.BLK	I.BLK	10/11/2024	10:12	PP067744.D	9.22	4.05
PB164066BL	PB164066BL	10/11/2024	15:11	PP067752.D	9.21	4.05
PB164066BS	PB164066BS	10/11/2024	15:27	PP067753.D	9.22	4.05
AR1660CCC500	AR1660CCC500	10/11/2024	16:15	PP067756.D	9.22	4.05
I.BLK	I.BLK	10/11/2024	16:48	PP067758.D	9.22	4.05
SP-1	P4385-02	10/11/2024	17:04	PP067759.D	9.21	4.05
SP-2	P4385-04	10/11/2024	17:20	PP067760.D	9.21	4.05
SP-3	P4385-06	10/11/2024	17:36	PP067761.D	9.22	4.05
SP-4	P4385-08	10/11/2024	17:52	PP067762.D	9.21	4.05
SP-5	P4385-10	10/11/2024	18:08	PP067763.D	9.21	4.05
SP-6	P4385-12	10/11/2024	18:25	PP067764.D	9.21	4.05
SP-7	P4385-14	10/11/2024	18:41	PP067765.D	9.22	4.05

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Analytical Sequence

SP-8	P4385-16	10/11/2024	18:57	PP067766.D	9.21	4.05
SP-9	P4385-18	10/11/2024	19:13	PP067767.D	9.21	4.05
SP-10	P4385-20	10/11/2024	19:29	PP067768.D	9.21	4.05
SP-10MS	P4385-20MS	10/11/2024	19:45	PP067769.D	9.21	4.05
SP-10MSD	P4385-20MSD	10/11/2024	20:01	PP067770.D	9.22	4.05
AR1660CCC500	AR1660CCC500	10/11/2024	20:39	PP067771.D	9.22	4.05
I.BLK	I.BLK	10/11/2024	20:55	PP067772.D	9.21	4.05

QC SAMPLE DATA

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164066BL	SDG No.:	P4385
Lab Sample ID:	PB164066BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067752.D	1	10/11/24 09:00	10/11/24 15:11	PB164066

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		30 (32) - 150 (144)	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		30 (32) - 150 (175)	101%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/08/24
Project:	Robbinsville	Date Received:	10/08/24
Client Sample ID:	PIBLK-PP067586.D	SDG No.:	P4385
Lab Sample ID:	I.BLK-PP067586.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067586.D	1		10/08/24	pp100824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		70 (60) - 130 (140)	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.5		70 (60) - 130 (140)	117%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/11/24
Project:	Robbinsville	Date Received:	10/11/24
Client Sample ID:	PIBLK-PP067744.D	SDG No.:	P4385
Lab Sample ID:	I.BLK-PP067744.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067744.D	1		10/11/24	PP101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.6		70 (60) - 130 (140)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		70 (60) - 130 (140)	113%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/11/24
Project:	Robbinsville	Date Received:	10/11/24
Client Sample ID:	PIBLK-PP067758.D	SDG No.:	P4385
Lab Sample ID:	I.BLK-PP067758.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067758.D	1		10/11/24	PP101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		70 (60) - 130 (140)	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.1		70 (60) - 130 (140)	116%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/11/24
Project:	Robbinsville	Date Received:	10/11/24
Client Sample ID:	PIBLK-PP067772.D	SDG No.:	P4385
Lab Sample ID:	I.BLK-PP067772.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067772.D	1		10/11/24	PP101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.6		70 (60) - 130 (140)	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.5		70 (60) - 130 (140)	113%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164066BS	SDG No.:	P4385
Lab Sample ID:	PB164066BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067753.D	1	10/11/24 09:00	10/11/24 15:27	PB164066

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	146		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	137		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		30 (32) - 150 (144)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.7		30 (32) - 150 (175)	108%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10MS	SDG No.:	P4385
Lab Sample ID:	P4385-20MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	94.4 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067769.D	1	10/11/24 09:00	10/11/24 19:45	PB164066

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	171		3.60	18.0	ug/kg
11104-28-2	Aroclor-1221	6.80	U	6.80	18.0	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.0	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.0	ug/kg
12672-29-6	Aroclor-1248	8.30	U	8.30	18.0	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.0	ug/kg
37324-23-5	Aroclor-1262	4.80	U	4.80	18.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	18.0	ug/kg
11096-82-5	Aroclor-1260	169		3.10	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.6		30 (32) - 150 (144)	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.7		30 (32) - 150 (175)	104%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10MSD	SDG No.:	P4385
Lab Sample ID:	P4385-20MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	94.4 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP067770.D	1	10/11/24 09:00	10/11/24 20:01	PB164066

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	175		3.60	18.0	ug/kg
11104-28-2	Aroclor-1221	6.80	U	6.80	18.0	ug/kg
11141-16-5	Aroclor-1232	3.60	U	3.60	18.0	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	18.0	ug/kg
12672-29-6	Aroclor-1248	8.30	U	8.30	18.0	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.0	ug/kg
37324-23-5	Aroclor-1262	4.80	U	4.80	18.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	18.0	ug/kg
11096-82-5	Aroclor-1260	169		3.10	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.7		30 (32) - 150 (144)	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.7		30 (32) - 150 (175)	103%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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LAB CHRONICLE

OrderID:	P4385	**OrderDate:**	10/10/2024 2:00:00 PM
Client:	Scheideler Excavating Co. Inc.	**Project:**	Robbinsville
Contact:	Jim Scheideler	**Location:**	K51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4385-02	**SP-1**	**SOIL**			**10/10/24**			**10/10/24**
			Herbicide	8151A		10/11/24	10/11/24	
			PCB	8082A		10/11/24	10/11/24	
			Pesticide-TCL	8081B		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-04	**SP-2**	**SOIL**			**10/10/24**			**10/10/24**
			Herbicide	8151A		10/11/24	10/11/24	
			PCB	8082A		10/11/24	10/11/24	
			Pesticide-TCL	8081B		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-06	**SP-3**	**SOIL**			**10/10/24**			**10/10/24**
			Herbicide	8151A		10/11/24	10/11/24	
			PCB	8082A		10/11/24	10/11/24	
			Pesticide-TCL	8081B		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-08	**SP-4**	**SOIL**			**10/10/24**			**10/10/24**
			Herbicide	8151A		10/11/24	10/11/24	
			PCB	8082A		10/11/24	10/11/24	
			Pesticide-TCL	8081B		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-10	**SP-5**	**SOIL**			**10/10/24**			**10/10/24**
			Herbicide	8151A		10/11/24	10/14/24	
			PCB	8082A		10/11/24	10/11/24	
			Pesticide-TCL	8081B		10/11/24	10/11/24	
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-12	**SP-6**	**SOIL**			**10/10/24**			**10/10/24**
			Herbicide	8151A		10/11/24	10/14/24	

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LAB CHRONICLE

			PCB	8082A		10/11/24	10/11/24
			Pesticide-TCL	8081B		10/11/24	10/11/24
			EPH_NF	NJEPH		10/11/24	10/11/24
P4385-14	**SP-7**	**SOIL**			**10/10/24**		**10/10/24**
			Herbicide	8151A		10/11/24	10/14/24
			PCB	8082A		10/11/24	10/11/24
			Pesticide-TCL	8081B		10/11/24	10/11/24
			EPH_NF	NJEPH		10/11/24	10/11/24
P4385-16	**SP-8**	**SOIL**			**10/10/24**		**10/10/24**
			Herbicide	8151A		10/11/24	10/14/24
			PCB	8082A		10/11/24	10/11/24
			Pesticide-TCL	8081B		10/11/24	10/11/24
			EPH_NF	NJEPH		10/11/24	10/11/24
P4385-18	**SP-9**	**SOIL**			**10/10/24**		**10/10/24**
			Herbicide	8151A		10/11/24	10/14/24
			PCB	8082A		10/11/24	10/11/24
			Pesticide-TCL	8081B		10/11/24	10/11/24
			EPH_NF	NJEPH		10/11/24	10/11/24
P4385-20	**SP-10**	**SOIL**			**10/10/24**		**10/10/24**
			Herbicide	8151A		10/11/24	10/14/24
			PCB	8082A		10/11/24	10/11/24
			Pesticide-TCL	8081B		10/11/24	10/11/24
			EPH_NF	NJEPH		10/11/24	10/11/24

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Hit Summary Sheet
SW-846

SDG No.: P4385 **Order ID:** P4385

Client: Scheideler Excavating Co. Inc. **Project ID:** Robbinsville

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000

SAMPLE DATA

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027909.D	1	10/11/24 08:31	10/11/24 18:51	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.30	U	9.30	71.6	ug/Kg
120-36-5	DICHLORPROP	10.2	U	10.2	71.6	ug/Kg
94-75-7	2,4-D	12.9	U	12.9	71.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.0	U	10.0	71.6	ug/Kg
93-76-5	2,4,5-T	10.8	U	10.8	71.6	ug/Kg
94-82-6	2,4-DB	19.6	U	19.6	71.6	ug/Kg
88-85-7	DINOSEB	13.2	U	13.2	71.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	395		70 (10) - 130 (141)	79%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	95 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027912.D	1	10/11/24 08:31	10/11/24 20:02	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.10	U	9.10	70.4	ug/Kg
120-36-5	DICHLORPROP	10.0	U	10.0	70.4	ug/Kg
94-75-7	2,4-D	12.7	U	12.7	70.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.90	U	9.90	70.4	ug/Kg
93-76-5	2,4,5-T	10.6	U	10.6	70.4	ug/Kg
94-82-6	2,4-DB	19.2	U	19.2	70.4	ug/Kg
88-85-7	DINOSEB	13.0	U	13.0	70.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	392		70 (10) - 130 (141)	78%	SPK: 500

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	94.1 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027913.D	1	10/11/24 08:31	10/11/24 20:26	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.20	U	9.20	71.2	ug/Kg
120-36-5	DICHLORPROP	10.1	U	10.1	71.2	ug/Kg
94-75-7	2,4-D	12.9	U	12.9	71.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.0	U	10.0	71.2	ug/Kg
93-76-5	2,4,5-T	10.7	U	10.7	71.2	ug/Kg
94-82-6	2,4-DB	19.4	U	19.4	71.2	ug/Kg
88-85-7	DINOSEB	13.2	U	13.2	71.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	295	*	70 (10) - 130 (141)	59%	SPK: 500

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-08	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	99.1 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027914.D	1	10/11/24 08:31	10/11/24 20:50	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.70	U	8.70	67.4	ug/Kg
120-36-5	DICHLORPROP	9.60	U	9.60	67.4	ug/Kg
94-75-7	2,4-D	12.2	U	12.2	67.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.40	U	9.40	67.4	ug/Kg
93-76-5	2,4,5-T	10.2	U	10.2	67.4	ug/Kg
94-82-6	2,4-DB	18.4	U	18.4	67.4	ug/Kg
88-85-7	DINOSEB	12.5	U	12.5	67.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	346	*	70 (10) - 130 (141)	69%	SPK: 500

Comments:

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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027920.D	1	10/11/24 08:31	10/14/24 16:12	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.30	U	9.30	71.6	ug/Kg
120-36-5	DICHLORPROP	10.2	U	10.2	71.6	ug/Kg
94-75-7	2,4-D	12.9	U	12.9	71.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.0	U	10.0	71.6	ug/Kg
93-76-5	2,4,5-T	10.8	U	10.8	71.6	ug/Kg
94-82-6	2,4-DB	19.6	U	19.6	71.6	ug/Kg
88-85-7	DINOSEB	13.3	U	13.3	71.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	290	*	70 (10) - 130 (141)	58%	SPK: 500

Comments:

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MDL = Method Detection Limit
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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-12	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	93 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027921.D	1	10/11/24 08:31	10/14/24 16:36	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.30	U	9.30	72.0	ug/Kg
120-36-5	DICHLORPROP	10.2	U	10.2	72.0	ug/Kg
94-75-7	2,4-D	13.0	U	13.0	72.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.1	U	10.1	72.0	ug/Kg
93-76-5	2,4,5-T	10.8	U	10.8	72.0	ug/Kg
94-82-6	2,4-DB	19.7	U	19.7	72.0	ug/Kg
88-85-7	DINOSEB	13.3	U	13.3	72.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	326	*	70 (10) - 130 (141)	65%	SPK: 500

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	93.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027922.D	1	10/11/24 08:31	10/14/24 17:00	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.20	U	9.20	71.2	ug/Kg
120-36-5	DICHLORPROP	10.1	U	10.1	71.2	ug/Kg
94-75-7	2,4-D	12.9	U	12.9	71.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.0	U	10.0	71.2	ug/Kg
93-76-5	2,4,5-T	10.7	U	10.7	71.2	ug/Kg
94-82-6	2,4-DB	19.5	U	19.5	71.2	ug/Kg
88-85-7	DINOSEB	13.2	U	13.2	71.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	303	*	70 (10) - 130 (141)	61%	SPK: 500

Comments:

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LOD = Limit of Detection
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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	94.3 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027923.D	1	10/11/24 08:31	10/14/24 17:24	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.20	U	9.20	70.9	ug/Kg
120-36-5	DICHLORPROP	10.1	U	10.1	70.9	ug/Kg
94-75-7	2,4-D	12.8	U	12.8	70.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.90	U	9.90	70.9	ug/Kg
93-76-5	2,4,5-T	10.7	U	10.7	70.9	ug/Kg
94-82-6	2,4-DB	19.4	U	19.4	70.9	ug/Kg
88-85-7	DINOSEB	13.1	U	13.1	70.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	299	*	70 (10) - 130 (141)	60%	SPK: 500

Comments:

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027924.D	1	10/11/24 08:31	10/14/24 17:48	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.30	U	9.30	71.7	ug/Kg
120-36-5	DICHLORPROP	10.2	U	10.2	71.7	ug/Kg
94-75-7	2,4-D	12.9	U	12.9	71.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.0	U	10.0	71.7	ug/Kg
93-76-5	2,4,5-T	10.8	U	10.8	71.7	ug/Kg
94-82-6	2,4-DB	19.6	U	19.6	71.7	ug/Kg
88-85-7	DINOSEB	13.3	U	13.3	71.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	348		70 (10) - 130 (141)	70%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	94.4 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027925.D	1	10/11/24 08:31	10/14/24 18:12	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.20	U	9.20	70.8	ug/Kg
120-36-5	DICHLORPROP	10.1	U	10.1	70.8	ug/Kg
94-75-7	2,4-D	12.8	U	12.8	70.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.90	U	9.90	70.8	ug/Kg
93-76-5	2,4,5-T	10.7	U	10.7	70.8	ug/Kg
94-82-6	2,4-DB	19.3	U	19.3	70.8	ug/Kg
88-85-7	DINOSEB	13.1	U	13.1	70.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	330	*	70 (10) - 130 (141)	66%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS027854.D	PIBLK-PS027854.D	2,4-DCAA	1	500	510	102		70 (39)	130 (175)
		2,4-DCAA	2	500	479	96		70 (39)	130 (175)
I.BLK-PS027904.D	PIBLK-PS027904.D	2,4-DCAA	1	500	520	104		70 (39)	130 (175)
		2,4-DCAA	2	500	485	97		70 (39)	130 (175)
PB164060BL	PB164060BL	2,4-DCAA	1	500	487	97		70 (10)	130 (141)
		2,4-DCAA	2	500	436	87		70 (10)	130 (141)
PB164060BS	PB164060BS	2,4-DCAA	1	500	590	118		70 (10)	130 (141)
		2,4-DCAA	2	500	532	106		70 (10)	130 (141)
P4385-02	SP-1	2,4-DCAA	1	500	395	79		70 (10)	130 (141)
		2,4-DCAA	2	500	293	59	*	70 (10)	130 (141)
P4385-02MS	SP-1MS	2,4-DCAA	1	500	490	98		70 (10)	130 (141)
		2,4-DCAA	2	500	361	72		70 (10)	130 (141)
P4385-02MSD	SP-1MSD	2,4-DCAA	1	500	511	102		70 (10)	130 (141)
		2,4-DCAA	2	500	371	74		70 (10)	130 (141)
P4385-04	SP-2	2,4-DCAA	1	500	392	78		70 (10)	130 (141)
		2,4-DCAA	2	500	276	55	*	70 (10)	130 (141)
P4385-06	SP-3	2,4-DCAA	1	500	295	59	*	70 (10)	130 (141)
		2,4-DCAA	2	500	207	41	*	70 (10)	130 (141)
P4385-08	SP-4	2,4-DCAA	1	500	346	69	*	70 (10)	130 (141)
		2,4-DCAA	2	500	223	45	*	70 (10)	130 (141)
I.BLK-PS027915.D	PIBLK-PS027915.D	2,4-DCAA	1	500	518	104		70 (39)	130 (175)
		2,4-DCAA	2	500	484	97		70 (39)	130 (175)
I.BLK-PS027918.D	PIBLK-PS027918.D	2,4-DCAA	1	500	526	105		70 (39)	130 (175)
		2,4-DCAA	2	500	474	95		70 (39)	130 (175)
P4385-10	SP-5	2,4-DCAA	1	500	290	58	*	70 (10)	130 (141)
		2,4-DCAA	2	500	178	36	*	70 (10)	130 (141)
P4385-12	SP-6	2,4-DCAA	1	500	326	65	*	70 (10)	130 (141)
		2,4-DCAA	2	500	188	38	*	70 (10)	130 (141)
P4385-14	SP-7	2,4-DCAA	1	500	303	61	*	70 (10)	130 (141)
		2,4-DCAA	2	500	167	33	*	70 (10)	130 (141)
P4385-16	SP-8	2,4-DCAA	1	500	299	60	*	70 (10)	130 (141)
		2,4-DCAA	2	500	192	38	*	70 (10)	130 (141)
P4385-18	SP-9	2,4-DCAA	1	500	348	70		70 (10)	130 (141)
		2,4-DCAA	2	500	180	36	*	70 (10)	130 (141)
P4385-20	SP-10	2,4-DCAA	1	500	330	66	*	70 (10)	130 (141)
		2,4-DCAA	2	500	210	42	*	70 (10)	130 (141)
I.BLK-PS027929.D	PIBLK-PS027929.D	2,4-DCAA	1	500	523	105		70 (39)	130 (175)
		2,4-DCAA	2	500	450	90		70 (39)	130 (175)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8151A **DataFile :** PS027910.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**SP-1MS**											
P4385-02MS	DICAMBA	178	0	94.8	ug/Kg	53	*			70 (10)	130 (112)	
	DICHLORPROP	178	0	80.0	ug/Kg	45	*			70 (10)	130 (113)	
	2,4-D	178	0	102	ug/Kg	57	*			70 (10)	130 (144)	
	2,4,5-TP(Silvex)	178	0	56.7	ug/Kg	32	*			70 (10)	130 (114)	
	2,4,5-T	178	0	72.3	ug/Kg	41	*			70 (10)	130 (115)	
	2,4-DB	178	0	88.2	ug/Kg	50	*			70 (10)	130 (140)	
	Dinoseb	178	0	0	ug/Kg	0	*			70 (10)	130 (118)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8151A **DataFile :** PS027911.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**SP-1MSD**											
P4385-02MSD	DICAMBA	178.1	0	96.3	ug/Kg	54	*	2		70 (10)	130 (112)	30 (20)
	DICHLORPROP	178.1	0	81.1	ug/Kg	46	*	2		70 (10)	130 (113)	30 (20)
	2,4-D	178.1	0	101	ug/Kg	57	*	0		70 (10)	130 (144)	30 (20)
	2,4,5-TP(Silvex)	178.1	0	55.6	ug/Kg	31	*	3		70 (10)	130 (114)	30 (20)
	2,4,5-T	178.1	0	71.4	ug/Kg	40	*	2		70 (10)	130 (115)	30 (20)
	2,4-DB	178.1	0	55.3	ug/Kg	31	*	47	*	70 (10)	130 (140)	30 (20)
	Dinoseb	178.1	0	0	ug/Kg	0	*	0		70 (10)	130 (118)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4385

Client: Scheideler Excavating Co. Inc.

Analytical Method: 8151A **Datafile :** PS027907.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164060BS	DICAMBA	166.6	160	ug/Kg	96				70 (72)	130 (129)	
	DICHLORPROP	166.6	170	ug/Kg	102				70 (77)	130 (135)	
	2,4-D	166.6	197	ug/Kg	118				70 (65)	130 (144)	
	2,4,5-TP(Silvex)	166.6	176	ug/Kg	106				70 (74)	130 (146)	
	2,4,5-T	166.6	164	ug/Kg	98				70 (77)	130 (134)	
	2,4-DB	166.6	186	ug/Kg	112				70 (72)	130 (122)	
	Dinoseb	166.6	162	ug/Kg	97				70 (74)	130 (132)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164060BL

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

Lab Sample ID: PB164060BL Lab File ID: PS027906.D

Matrix: (soil/water) Solid Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 10/11/2024

Date Analyzed (1): 10/11/2024 Date Analyzed (2): 10/11/2024

Time Analyzed (1): 17:39 Time Analyzed (2): 17:39

Instrument ID (1): ECD_S Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164060BS	PB164060BS	PS027907.D	10/11/2024	10/11/2024
SP-1	P4385-02	PS027909.D	10/11/2024	10/11/2024
SP-1MS	P4385-02MS	PS027910.D	10/11/2024	10/11/2024
SP-1MSD	P4385-02MSD	PS027911.D	10/11/2024	10/11/2024
SP-2	P4385-04	PS027912.D	10/11/2024	10/11/2024
SP-3	P4385-06	PS027913.D	10/11/2024	10/11/2024
SP-4	P4385-08	PS027914.D	10/11/2024	10/11/2024
SP-5	P4385-10	PS027920.D	10/14/2024	10/14/2024
SP-6	P4385-12	PS027921.D	10/14/2024	10/14/2024
SP-7	P4385-14	PS027922.D	10/14/2024	10/14/2024
SP-8	P4385-16	PS027923.D	10/14/2024	10/14/2024
SP-9	P4385-18	PS027924.D	10/14/2024	10/14/2024
SP-10	P4385-20	PS027925.D	10/14/2024	10/14/2024

COMMENTS:

QC SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164060BL	SDG No.:	P4385
Lab Sample ID:	PB164060BL	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027906.D	1	10/11/24 08:31	10/11/24 17:39	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.70	U	8.70	67.0	ug/Kg
120-36-5	DICHLORPROP	9.50	U	9.50	67.0	ug/Kg
94-75-7	2,4-D	12.1	U	12.1	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.40	U	9.40	67.0	ug/Kg
93-76-5	2,4,5-T	10.1	U	10.1	67.0	ug/Kg
94-82-6	2,4-DB	18.3	U	18.3	67.0	ug/Kg
88-85-7	DINOSEB	12.4	U	12.4	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	487		70 (10) - 130 (141)	97%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/07/24
Project:	Robbinsville	Date Received:	10/07/24
Client Sample ID:	PIBLK-PS027854.D	SDG No.:	P4385
Lab Sample ID:	I.BLK-PS027854.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027854.D	1		10/07/24	PS100724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.42	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	0.43	U	0.43	2.00	ug/L
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	0.50	U	0.50	2.00	ug/L
94-82-6	2,4-DB	0.57	U	0.57	2.00	ug/L
88-85-7	DINOSEB	0.55	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	510		70 (39) - 130 (175)	102%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/11/24
Project:	Robbinsville	Date Received:	10/11/24
Client Sample ID:	PIBLK-PS027904.D	SDG No.:	P4385
Lab Sample ID:	I.BLK-PS027904.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027904.D	1		10/11/24	PS101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.42	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	0.43	U	0.43	2.00	ug/L
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	0.50	U	0.50	2.00	ug/L
94-82-6	2,4-DB	0.57	U	0.57	2.00	ug/L
88-85-7	DINOSEB	0.55	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	520		70 (39) - 130 (175)	104%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/11/24
Project:	Robbinsville	Date Received:	10/11/24
Client Sample ID:	PIBLK-PS027915.D	SDG No.:	P4385
Lab Sample ID:	I.BLK-PS027915.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027915.D	1		10/11/24	PS101124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.42	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	0.43	U	0.43	2.00	ug/L
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	0.50	U	0.50	2.00	ug/L
94-82-6	2,4-DB	0.57	U	0.57	2.00	ug/L
88-85-7	DINOSEB	0.55	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	518		70 (39) - 130 (175)	104%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/14/24
Project:	Robbinsville	Date Received:	10/14/24
Client Sample ID:	PIBLK-PS027918.D	SDG No.:	P4385
Lab Sample ID:	I.BLK-PS027918.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027918.D	1		10/14/24	ps101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.42	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	0.43	U	0.43	2.00	ug/L
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	0.50	U	0.50	2.00	ug/L
94-82-6	2,4-DB	0.57	U	0.57	2.00	ug/L
88-85-7	DINOSEB	0.55	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	526		70 (39) - 130 (175)	105%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/14/24
Project:	Robbinsville	Date Received:	10/14/24
Client Sample ID:	PIBLK-PS027929.D	SDG No.:	P4385
Lab Sample ID:	I.BLK-PS027929.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027929.D	1		10/14/24	ps101424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.42	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	0.43	U	0.43	2.00	ug/L
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	0.50	U	0.50	2.00	ug/L
94-82-6	2,4-DB	0.57	U	0.57	2.00	ug/L
88-85-7	DINOSEB	0.55	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	523		70 (39) - 130 (175)	105%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164060BS	SDG No.:	P4385
Lab Sample ID:	PB164060BS	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027907.D	1	10/11/24 08:31	10/11/24 18:03	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	160		8.70	67.0	ug/Kg
120-36-5	DICHLORPROP	170		9.50	67.0	ug/Kg
94-75-7	2,4-D	197		12.1	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	176		9.40	67.0	ug/Kg
93-76-5	2,4,5-T	164		10.1	67.0	ug/Kg
94-82-6	2,4-DB	186		18.3	67.0	ug/Kg
88-85-7	DINOSEB	162		12.4	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	590		70 (10) - 130 (141)	118%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1MS	SDG No.:	P4385
Lab Sample ID:	P4385-02MS	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027910.D	1	10/11/24 08:31	10/11/24 19:15	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	94.8		9.30	71.5	ug/Kg
120-36-5	DICHLORPROP	80.0		10.2	71.5	ug/Kg
94-75-7	2,4-D	102		12.9	71.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	56.7	J	10.0	71.5	ug/Kg
93-76-5	2,4,5-T	72.3		10.8	71.5	ug/Kg
94-82-6	2,4-DB	88.2	P	19.5	71.5	ug/Kg
88-85-7	DINOSEB	13.2	U	13.2	71.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	490		70 (10) - 130 (141)	98%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1MSD	SDG No.:	P4385
Lab Sample ID:	P4385-02MSD	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	93.4 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS027911.D	1	10/11/24 08:31	10/11/24 19:39	PB164060

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	96.3		9.30	71.6	ug/Kg
120-36-5	DICHLORPROP	81.1		10.2	71.6	ug/Kg
94-75-7	2,4-D	101		12.9	71.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	55.6	J	10.0	71.6	ug/Kg
93-76-5	2,4,5-T	71.4	J	10.8	71.6	ug/Kg
94-82-6	2,4-DB	55.3	J	19.6	71.6	ug/Kg
88-85-7	DINOSEB	13.3	U	13.3	71.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	511		70 (10) - 130 (141)	102%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Instrument ID: ECD_S **Calibration Date(s):** 10/07/2024 10/07/2024

Calibration Times: 11:12 12:47

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS027855.D RT 500 = PS027856.D

RT 750 = PS027857.D RT 1000 = PS027858.D RT 1500 = PS027859.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.33	9.32	9.32	9.32	9.32	9.32	9.22	9.42
2,4,5-TP(Silvex)	9.04	9.04	9.04	9.04	9.04	9.04	8.94	9.14
2,4-D	8.19	8.19	8.19	8.19	8.19	8.19	8.09	8.29
2,4-DB	9.89	9.89	9.89	9.89	9.88	9.89	9.79	9.99
2,4-DCAA	7.10	7.10	7.10	7.10	7.10	7.10	7.00	7.20
DICAMBA	7.28	7.28	7.28	7.28	7.28	7.28	7.18	7.38
DICHLORPROP	7.97	7.96	7.96	7.96	7.96	7.96	7.86	8.06
Dinoseb	11.07	11.06	11.06	11.06	11.06	11.06	10.96	11.16

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Instrument ID: ECD_S **Calibration Date(s):** 10/07/2024 10/07/2024

Calibration Times: 11:12 12:47

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS027855.D RT 500 = PS027856.D

RT 750 = PS027857.D RT 1000 = PS027858.D RT 1500 = PS027859.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	10.16	10.16	10.16	10.16	10.16	10.16	10.06	10.26
2,4,5-TP(Silvex)	9.74	9.74	9.74	9.75	9.74	9.74	9.64	9.84
2,4-D	8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
2,4-DB	10.72	10.72	10.72	10.72	10.72	10.72	10.62	10.82
2,4-DCAA	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
DICAMBA	7.82	7.82	7.82	7.82	7.82	7.82	7.72	7.92
DICHLORPROP	8.53	8.53	8.53	8.53	8.53	8.53	8.43	8.63
Dinoseb	11.09	11.09	11.09	11.10	11.10	11.09	10.99	11.19

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Instrument ID: ECD_S **Calibration Date(s):** 10/07/2024 10/07/2024

Calibration Times: 11:12 12:47

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS027855.D **CF 500 =** PS027856.D

CF 750 = PS027857.D **CF 1000 =** PS027858.D **CF 1500 =** PS027859.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	18343600000	16688400000	15979100000	15233500000	14618600000	16172600000	9
2,4,5-TP(Silvex)	17880800000	16295200000	15561300000	14860800000	14230700000	15765800000	9
2,4-D	4035830000	3400610000	3232540000	3118050000	3033140000	3364040000	12
2,4-DB	2919030000	2604920000	2538650000	2470580000	2435210000	2593680000	7
2,4-DCAA	3212120000	2729210000	2603700000	2494650000	2431770000	2694290000	12
DICAMBA	12294700000	11042300000	10774300000	10345200000	10089200000	10909100000	8
DICHLORPROP	3386110000	2901560000	2764510000	2668690000	2587880000	2861750000	11
Dinoseb	12428700000	10842500000	10254000000	9696060000	9493690000	10543000000	11

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Instrument ID: ECD_S **Calibration Date(s):** 10/07/2024 10/07/2024

Calibration Times: 11:12 12:47

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS027855.D **CF 500 =** PS027856.D

CF 750 = PS027857.D **CF 1000 =** PS027858.D **CF 1500 =** PS027859.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	4247070000	4175740000	4737450000	3839740000	4526220000	4305240000	8
2,4,5-TP(Silvex)	4779860000	4999670000	5205360000	4527870000	5258550000	4954260000	6
2,4-D	1095340000	1009530000	1028930000	859895000	1017690000	1002280000	9
2,4-DB	511522000	522251000	524993000	441664000	531313000	506349000	7
2,4-DCAA	1083730000	982125000	983055000	920328000	999193000	993686000	6
DICAMBA	3377710000	3467820000	3634070000	3257360000	3648910000	3477170000	5
DICHLORPROP	1101380000	970842000	1031010000	847032000	984460000	986945000	9
Dinoseb	3358670000	3406870000	3546900000	3079720000	3498040000	3378040000	5

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 10/07/2024 10/07/2024

Continuing Calib Time: 10:37 **Initial Calibration Time(s):** 11:12 12:47

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.27	7.28	7.18	7.38	0.01
2,4-DCAA	7.10	7.10	7.00	7.20	0.01
DICHLORPROP	7.96	7.96	7.86	8.06	0.00
2,4-D	8.18	8.19	8.09	8.29	0.01
2,4,5-TP(Silvex)	9.03	9.04	8.94	9.14	0.01
2,4,5-T	9.32	9.32	9.22	9.42	0.00
2,4-DB	9.88	9.89	9.79	9.99	0.01
Dinoseb	11.06	11.06	10.96	11.16	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 10/07/2024 10/07/2024

Continuing Calib Time: 10:37 **Initial Calibration Time(s):** 11:12 12:47

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.82	7.82	7.72	7.92	0.00
2,4-DCAA	7.62	7.63	7.53	7.73	0.01
DICHLORPROP	8.52	8.53	8.43	8.63	0.01
2,4-D	8.85	8.85	8.75	8.95	0.00
2,4,5-TP(Silvex)	9.74	9.74	9.64	9.84	0.00
2,4,5-T	10.15	10.16	10.06	10.26	0.01
2,4-DB	10.71	10.72	10.62	10.82	0.01
Dinoseb	11.09	11.09	10.99	11.19	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/07/2024 10/07/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/11/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027905.D **Time Analyzed:** 10:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.318	9.223	9.423	719.450	712.500	1.0
2,4,5-TP(Silvex)	9.034	8.938	9.138	717.440	712.500	0.7
2,4-D	8.181	8.085	8.285	686.600	705.000	-2.6
2,4-DB	9.881	9.785	9.985	702.270	712.500	-1.4
2,4-DCAA	7.095	6.998	7.198	735.100	750.000	-2.0
DICAMBA	7.274	7.177	7.377	705.590	705.000	0.1
DICHLORPROP	7.959	7.863	8.063	695.860	705.000	-1.3
Dinoseb	11.057	10.961	11.161	707.700	705.000	0.4

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2024 10/07/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/11/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027905.D **Time Analyzed:** 10:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.153	10.058	10.258	708.250	712.500	-0.6
2,4,5-TP(Silvex)	9.739	9.643	9.843	721.720	712.500	1.3
2,4-D	8.849	8.752	8.952	672.380	705.000	-4.6
2,4-DB	10.714	10.619	10.819	705.100	712.500	-1.0
2,4-DCAA	7.622	7.528	7.728	698.610	750.000	-6.9
DICAMBA	7.817	7.722	7.922	732.660	705.000	3.9
DICHLORPROP	8.524	8.428	8.628	690.830	705.000	-2.0
Dinoseb	11.088	10.993	11.193	705.540	705.000	0.1

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 10/07/2024 10/07/2024

Continuing Calib Time: 21:38 **Initial Calibration Time(s):** 11:12 12:47

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.27	7.28	7.18	7.38	0.01
2,4-DCAA	7.10	7.10	7.00	7.20	0.01
DICHLORPROP	7.96	7.96	7.86	8.06	0.00
2,4-D	8.18	8.19	8.09	8.29	0.01
2,4,5-TP(Silvex)	9.04	9.04	8.94	9.14	0.01
2,4,5-T	9.32	9.32	9.22	9.42	0.00
2,4-DB	9.88	9.89	9.79	9.99	0.01
Dinoseb	11.06	11.06	10.96	11.16	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/11/2024 **Initial Calibration Date(s):** 10/07/2024 10/07/2024

Continuing Calib Time: 21:38 **Initial Calibration Time(s):** 11:12 12:47

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.82	7.82	7.72	7.92	0.00
2,4-DCAA	7.62	7.63	7.53	7.73	0.01
DICHLORPROP	8.52	8.53	8.43	8.63	0.01
2,4-D	8.85	8.85	8.75	8.95	0.00
2,4,5-TP(Silvex)	9.74	9.74	9.64	9.84	0.00
2,4,5-T	10.15	10.16	10.06	10.26	0.01
2,4-DB	10.71	10.72	10.62	10.82	0.01
Dinoseb	11.09	11.09	10.99	11.19	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2024 10/07/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/11/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027916.D **Time Analyzed:** 21:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.319	9.223	9.423	723.470	712.500	1.5
2,4,5-TP(Silvex)	9.035	8.938	9.138	715.280	712.500	0.4
2,4-D	8.182	8.085	8.285	691.690	705.000	-1.9
2,4-DB	9.881	9.785	9.985	706.900	712.500	-0.8
2,4-DCAA	7.095	6.998	7.198	738.190	750.000	-1.6
DICAMBA	7.274	7.177	7.377	705.560	705.000	0.1
DICHLORPROP	7.959	7.863	8.063	697.370	705.000	-1.1
Dinoseb	11.057	10.961	11.161	717.240	705.000	1.7

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2024 10/07/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/11/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027916.D **Time Analyzed:** 21:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.153	10.058	10.258	720.170	712.500	1.1
2,4,5-TP(Silvex)	9.739	9.643	9.843	701.080	712.500	-1.6
2,4-D	8.848	8.752	8.952	705.930	705.000	0.1
2,4-DB	10.713	10.619	10.819	697.420	712.500	-2.1
2,4-DCAA	7.623	7.528	7.728	675.590	750.000	-9.9
DICAMBA	7.817	7.722	7.922	708.800	705.000	0.5
DICHLORPROP	8.524	8.428	8.628	679.310	705.000	-3.6
Dinoseb	11.089	10.993	11.193	702.130	705.000	-0.4

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/14/2024 **Initial Calibration Date(s):** 10/07/2024 10/07/2024

Continuing Calib Time: 13:17 **Initial Calibration Time(s):** 11:12 12:47

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.28	7.28	7.18	7.38	0.00
2,4-DCAA	7.10	7.10	7.00	7.20	0.00
DICHLORPROP	7.96	7.96	7.86	8.06	0.00
2,4-D	8.19	8.19	8.09	8.29	0.00
2,4,5-TP(Silvex)	9.04	9.04	8.94	9.14	0.00
2,4,5-T	9.33	9.32	9.22	9.42	0.00
2,4-DB	9.89	9.89	9.79	9.99	0.00
Dinoseb	11.07	11.06	10.96	11.16	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/14/2024 **Initial Calibration Date(s):** 10/07/2024 10/07/2024

Continuing Calib Time: 13:17 **Initial Calibration Time(s):** 11:12 12:47

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.82	7.82	7.72	7.92	0.00
2,4-DCAA	7.62	7.63	7.53	7.73	0.01
DICHLORPROP	8.52	8.53	8.43	8.63	0.01
2,4-D	8.85	8.85	8.75	8.95	0.00
2,4,5-TP(Silvex)	9.74	9.74	9.64	9.84	0.00
2,4,5-T	10.15	10.16	10.06	10.26	0.01
2,4-DB	10.71	10.72	10.62	10.82	0.01
Dinoseb	11.09	11.09	10.99	11.19	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2024 10/07/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/14/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027919.D **Time Analyzed:** 13:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.325	9.223	9.423	779.050	712.500	9.3
2,4,5-TP(Silvex)	9.040	8.938	9.138	781.510	712.500	9.7
2,4-D	8.187	8.085	8.285	750.840	705.000	6.5
2,4-DB	9.888	9.785	9.985	764.330	712.500	7.3
2,4-DCAA	7.099	6.998	7.198	794.520	750.000	5.9
DICAMBA	7.278	7.177	7.377	769.850	705.000	9.2
DICHLORPROP	7.964	7.863	8.063	748.400	705.000	6.2
Dinoseb	11.065	10.961	11.161	783.380	705.000	11.1

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2024 10/07/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/14/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027919.D **Time Analyzed:** 13:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.151	10.058	10.258	754.110	712.500	5.8
2,4,5-TP(Silvex)	9.736	9.643	9.843	778.620	712.500	9.3
2,4-D	8.845	8.752	8.952	760.550	705.000	7.9
2,4-DB	10.713	10.619	10.819	747.140	712.500	4.9
2,4-DCAA	7.622	7.528	7.728	784.440	750.000	4.6
DICAMBA	7.816	7.722	7.922	772.700	705.000	9.6
DICHLORPROP	8.521	8.428	8.628	724.490	705.000	2.8
Dinoseb	11.089	10.993	11.193	723.760	705.000	2.7

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/14/2024 **Initial Calibration Date(s):** 10/07/2024 10/07/2024

Continuing Calib Time: 20:13 **Initial Calibration Time(s):** 11:12 12:47

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.28	7.28	7.18	7.38	0.00
2,4-DCAA	7.10	7.10	7.00	7.20	0.00
DICHLORPROP	7.96	7.96	7.86	8.06	0.00
2,4-D	8.18	8.19	8.09	8.29	0.01
2,4,5-TP(Silvex)	9.04	9.04	8.94	9.14	0.01
2,4,5-T	9.32	9.32	9.22	9.42	0.00
2,4-DB	9.88	9.89	9.79	9.99	0.01
Dinoseb	11.06	11.06	10.96	11.16	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Continuing Calib Date: 10/14/2024 **Initial Calibration Date(s):** 10/07/2024 10/07/2024

Continuing Calib Time: 20:13 **Initial Calibration Time(s):** 11:12 12:47

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.82	7.82	7.72	7.92	0.00
2,4-DCAA	7.62	7.63	7.53	7.73	0.01
DICHLORPROP	8.52	8.53	8.43	8.63	0.01
2,4-D	8.85	8.85	8.75	8.95	0.00
2,4,5-TP(Silvex)	9.74	9.74	9.64	9.84	0.00
2,4,5-T	10.15	10.16	10.06	10.26	0.01
2,4-DB	10.72	10.72	10.62	10.82	0.00
Dinoseb	11.09	11.09	10.99	11.19	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2024 10/07/2024

Client Sample No.: CCAL04 **Date Analyzed:** 10/14/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027930.D **Time Analyzed:** 20:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.319	9.223	9.423	765.640	712.500	7.5
2,4,5-TP(Silvex)	9.035	8.938	9.138	762.320	712.500	7.0
2,4-D	8.182	8.085	8.285	738.140	705.000	4.7
2,4-DB	9.883	9.785	9.985	746.440	712.500	4.8
2,4-DCAA	7.096	6.998	7.198	783.520	750.000	4.5
DICAMBA	7.275	7.177	7.377	751.460	705.000	6.6
DICHLORPROP	7.960	7.863	8.063	743.090	705.000	5.4
Dinoseb	11.058	10.961	11.161	758.640	705.000	7.6

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CALIBRATION VERIFICATION SUMMARY

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/07/2024 10/07/2024

Client Sample No.: CCAL04 **Date Analyzed:** 10/14/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS027930.D **Time Analyzed:** 20:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.153	10.058	10.258	706.040	712.500	-0.9
2,4,5-TP(Silvex)	9.738	9.643	9.843	690.700	712.500	-3.1
2,4-D	8.848	8.752	8.952	682.210	705.000	-3.2
2,4-DB	10.715	10.619	10.819	668.500	712.500	-6.2
2,4-DCAA	7.624	7.528	7.728	720.250	750.000	-4.0
DICAMBA	7.818	7.722	7.922	691.530	705.000	-1.9
DICHLORPROP	8.523	8.428	8.628	665.930	705.000	-5.5
Dinoseb	11.088	10.993	11.193	686.300	705.000	-2.7

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Analytical Sequence

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Project: Robbinsville **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/07/2024 10/07/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	10/07/2024	10:14	PS027854.D	7.10	0.00
HSTDICC200	HSTDICC200	10/07/2024	11:12	PS027855.D	7.10	0.00
HSTDICC500	HSTDICC500	10/07/2024	11:36	PS027856.D	7.10	0.00
HSTDICC750	HSTDICC750	10/07/2024	12:00	PS027857.D	7.10	0.00
HSTDICC1000	HSTDICC1000	10/07/2024	12:23	PS027858.D	7.10	0.00
HSTDICC1500	HSTDICC1500	10/07/2024	12:47	PS027859.D	7.10	0.00
I.BLK	I.BLK	10/11/2024	10:13	PS027904.D	7.10	0.00
HSTDCCC750	HSTDCCC750	10/11/2024	10:37	PS027905.D	7.10	0.00
PB164060BL	PB164060BL	10/11/2024	17:39	PS027906.D	7.10	0.00
PB164060BS	PB164060BS	10/11/2024	18:03	PS027907.D	7.10	0.00
SP-1	P4385-02	10/11/2024	18:51	PS027909.D	7.09	0.00
SP-1MS	P4385-02MS	10/11/2024	19:15	PS027910.D	7.09	0.00
SP-1MSD	P4385-02MSD	10/11/2024	19:39	PS027911.D	7.09	0.00
SP-2	P4385-04	10/11/2024	20:02	PS027912.D	7.09	0.00
SP-3	P4385-06	10/11/2024	20:26	PS027913.D	7.09	0.00
SP-4	P4385-08	10/11/2024	20:50	PS027914.D	7.09	0.00
I.BLK	I.BLK	10/11/2024	21:14	PS027915.D	7.10	0.00
HSTDCCC750	HSTDCCC750	10/11/2024	21:38	PS027916.D	7.10	0.00
I.BLK	I.BLK	10/14/2024	11:25	PS027918.D	7.10	0.00
HSTDCCC750	HSTDCCC750	10/14/2024	13:17	PS027919.D	7.10	0.00
SP-5	P4385-10	10/14/2024	16:12	PS027920.D	7.10	0.00
SP-6	P4385-12	10/14/2024	16:36	PS027921.D	7.10	0.00
SP-7	P4385-14	10/14/2024	17:00	PS027922.D	7.09	0.00
SP-8	P4385-16	10/14/2024	17:24	PS027923.D	7.10	0.00
SP-9	P4385-18	10/14/2024	17:48	PS027924.D	7.09	0.00
SP-10	P4385-20	10/14/2024	18:12	PS027925.D	7.09	0.00
I.BLK	I.BLK	10/14/2024	19:49	PS027929.D	7.10	0.00
HSTDCCC750	HSTDCCC750	10/14/2024	20:13	PS027930.D	7.10	0.00

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Analytical Sequence

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Project: Robbinsville **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/07/2024 10/07/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	10/07/2024	10:14	PS027854.D	7.63	0.00
HSTDICC200	HSTDICC200	10/07/2024	11:12	PS027855.D	7.63	0.00
HSTDICC500	HSTDICC500	10/07/2024	11:36	PS027856.D	7.63	0.00
HSTDICC750	HSTDICC750	10/07/2024	12:00	PS027857.D	7.63	0.00
HSTDICC1000	HSTDICC1000	10/07/2024	12:23	PS027858.D	7.63	0.00
HSTDICC1500	HSTDICC1500	10/07/2024	12:47	PS027859.D	7.63	0.00
I.BLK	I.BLK	10/11/2024	10:13	PS027904.D	7.62	0.00
HSTDCCC750	HSTDCCC750	10/11/2024	10:37	PS027905.D	7.62	0.00
PB164060BL	PB164060BL	10/11/2024	17:39	PS027906.D	7.62	0.00
PB164060BS	PB164060BS	10/11/2024	18:03	PS027907.D	7.62	0.00
SP-1	P4385-02	10/11/2024	18:51	PS027909.D	7.62	0.00
SP-1MS	P4385-02MS	10/11/2024	19:15	PS027910.D	7.62	0.00
SP-1MSD	P4385-02MSD	10/11/2024	19:39	PS027911.D	7.62	0.00
SP-2	P4385-04	10/11/2024	20:02	PS027912.D	7.62	0.00
SP-3	P4385-06	10/11/2024	20:26	PS027913.D	7.62	0.00
SP-4	P4385-08	10/11/2024	20:50	PS027914.D	7.62	0.00
I.BLK	I.BLK	10/11/2024	21:14	PS027915.D	7.62	0.00
HSTDCCC750	HSTDCCC750	10/11/2024	21:38	PS027916.D	7.62	0.00
I.BLK	I.BLK	10/14/2024	11:25	PS027918.D	7.63	0.00
HSTDCCC750	HSTDCCC750	10/14/2024	13:17	PS027919.D	7.62	0.00
SP-5	P4385-10	10/14/2024	16:12	PS027920.D	7.62	0.00
SP-6	P4385-12	10/14/2024	16:36	PS027921.D	7.62	0.00
SP-7	P4385-14	10/14/2024	17:00	PS027922.D	7.62	0.00
SP-8	P4385-16	10/14/2024	17:24	PS027923.D	7.63	0.00
SP-9	P4385-18	10/14/2024	17:48	PS027924.D	7.62	0.00
SP-10	P4385-20	10/14/2024	18:12	PS027925.D	7.62	0.00
I.BLK	I.BLK	10/14/2024	19:49	PS027929.D	7.63	0.00
HSTDCCC750	HSTDCCC750	10/14/2024	20:13	PS027930.D	7.62	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164060BS

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: PB164060BS **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-TP(Silvex)	1	9.03	8.98	9.08	176	1.1
	2	9.74	9.69	9.79	174	
2,4,5-T	1	9.32	9.27	9.37	164	1.2
	2	10.15	10.10	10.20	162	
DICHLORPROP	1	7.96	7.91	8.01	168	1.2
	2	8.53	8.48	8.58	170	
2,4-D	1	8.18	8.13	8.23	178	10.1
	2	8.85	8.80	8.90	197	
2,4-DB	1	9.88	9.83	9.93	170	9
	2	10.72	10.67	10.77	186	
Dinoseb	1	11.06	11.01	11.11	162	0
	2	11.09	11.04	11.14	162	
DICAMBA	1	7.28	7.23	7.33	160	7.1
	2	7.82	7.77	7.87	149	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-1MS

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: P4385-02MS **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-T	1	9.32	9.27	9.37	72.3	2.2
	2	10.15	10.10	10.20	70.7	
2,4,5-TP(Silvex)	1	9.03	8.98	9.08	56.7	9.8
	2	9.74	9.69	9.79	51.4	
2,4-D	1	8.18	8.13	8.23	98.4	3.6
	2	8.85	8.80	8.90	102	
2,4-DB	1	9.88	9.83	9.93	88.2	40.7
	2	10.71	10.66	10.76	58.4	
DICHLORPROP	1	7.96	7.91	8.01	79.7	0.4
	2	8.52	8.47	8.57	80.0	
DICAMBA	1	7.27	7.22	7.32	94.8	20.3
	2	7.82	7.77	7.87	77.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SP-1MSD

Contract: SCHE03

Lab Code: CHEM **Case No.:** P4385 **SAS No.:** P4385 **SDG NO.:** P4385

Lab Sample ID: P4385-02MSD **Date(s) Analyzed:** 10/11/2024 10/11/2024

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	7.96	7.91	8.01	78.9	2.7
	2	8.53	8.48	8.58	81.1	
2,4-D	1	8.18	8.13	8.23	99.7	1.3
	2	8.85	8.80	8.90	101	
2,4,5-TP(Silvex)	1	9.03	8.98	9.08	55.6	15.7
	2	9.74	9.69	9.79	47.5	
2,4,5-T	1	9.32	9.27	9.37	71.4	0.1
	2	10.15	10.10	10.20	71.3	
2,4-DB	1	9.88	9.83	9.93	52.4	5.4
	2	10.71	10.66	10.76	55.3	
DICAMBA	1	7.27	7.22	7.32	96.3	20.5
	2	7.82	7.77	7.87	78.4	

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LAB CHRONICLE

OrderID:	P4385	**OrderDate:**	10/10/2024 2:00:00 PM
Client:	Scheideler Excavating Co. Inc.	**Project:**	Robbinsville
Contact:	Jim Scheideler	**Location:**	K51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4385-02	**SP-1**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-04	**SP-2**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-06	**SP-3**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-08	**SP-4**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-10	**SP-5**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-12	**SP-6**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-14	**SP-7**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-16	**SP-8**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-18	**SP-9**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	
P4385-20	**SP-10**	**Solid**			**10/10/24**			**10/10/24**
			EPH_NF	NJEPH		10/11/24	10/11/24	

SAMPLE DATA

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 15:32	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	17.0		1	1.92	2.14	mg/kg	FE050620.D
Aliphatic C9-C28	Aliphatic C9-C28	2.07	J	1	1.84	4.27	mg/kg	FE050620.D
Total AliphaticEPH	Total AliphaticEPH	19.1			3.76	6.41	mg/kg	
Total EPH	Total EPH	19.1			3.76	6.41	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050620.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.07	J	1.84	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		17.0		1.92	2.14	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		31.8		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		30.6		40 - 140	61%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4385-02	Acq On:	11 Oct 2024 15:32
Client Sample ID:	SP-1	Operator:	YP\AJ
Data file:	FE050620.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	345167	2.415	300	ug/ml
Aliphatic C12-C16	6.766	10.197	591759	4.078	200	ug/ml
Aliphatic C16-C21	10.198	13.555	1496062	10.36	300	ug/ml
Aliphatic C21-C28	13.556	17.208	2081964	14.646	400	ug/ml
Aliphatic C28-C40	17.209	22.055	32993289	238.558	600	ug/ml
Aliphatic EPH	3.149	22.055	37508241	270.057		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	4821614	30.58		ug/ml
1-chlorooctadecane (SURR)	13.292	13.292	3766126	31.84		ug/ml
Aliphatic C9-C28	3.149	17.208	4514952	31.499	1200	ug/ml

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 16:03	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	13.0		1	1.89	2.10	mg/kg	FE050621.D
Aliphatic C9-C28	Aliphatic C9-C28	2.28	J	1	1.81	4.20	mg/kg	FE050621.D
Total AliphaticEPH	Total AliphaticEPH	15.3			3.70	6.30	mg/kg	
Total EPH	Total EPH	15.3			3.70	6.30	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050621.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.28	J	1.81	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		13.0		1.89	2.10	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		31.2		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		29.1		40 - 140	58%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4385-04	Acq On:	11 Oct 2024 16:03
Client Sample ID:	SP-2	Operator:	YP\AJ
Data file:	FE050621.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	374816	2.623	300	ug/ml
Aliphatic C12-C16	6.766	10.197	683247	4.708	200	ug/ml
Aliphatic C16-C21	10.198	13.555	1674238	11.594	300	ug/ml
Aliphatic C21-C28	13.556	17.208	2302738	16.199	400	ug/ml
Aliphatic C28-C40	17.209	22.055	25652385	185.479	600	ug/ml
Aliphatic EPH	3.149	22.055	30687424	220.603		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	4584915	29.08		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	3690747	31.2		ug/ml
Aliphatic C9-C28	3.149	17.208	5035039	35.124	1200	ug/ml

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 16:33	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.82		1	1.91	2.12	mg/kg	FE050622.D
Aliphatic C9-C28	Aliphatic C9-C28	2.58	J	1	1.83	4.24	mg/kg	FE050622.D
Total AliphaticEPH	Total AliphaticEPH	12.4			3.73	6.36	mg/kg	
Total EPH	Total EPH	12.4			3.73	6.36	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050622.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.58	J	1.83	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		9.82		1.91	2.12	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		27.9		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		26.3		40 - 140	53%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4385-06	Acq On:	11 Oct 2024 16:33
Client Sample ID:	SP-3	Operator:	YP\AJ
Data file:	FE050622.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	508737	3.56	300	ug/ml
Aliphatic C12-C16	6.766	10.197	606987	4.183	200	ug/ml
Aliphatic C16-C21	10.198	13.555	4647470	32.184	300	ug/ml
Aliphatic C21-C28	13.556	17.208	1627070	11.446	400	ug/ml
Aliphatic C28-C40	17.209	22.055	19199457	138.821	600	ug/ml
Aliphatic EPH	3.149	22.055	26589721	190.194		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	4150307	26.33		ug/ml
1-chlorooctadecane (SURR)	13.291	13.291	3298795	27.89		ug/ml
Aliphatic C9-C28	3.149	17.208	7390264	51.373	1200	ug/ml

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	99.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 17:03	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.87		1	1.81	2.02	mg/kg	FE050623.D
Aliphatic C9-C28	Aliphatic C9-C28	1.73	U	1	1.73	4.03	mg/kg	FE050623.D
Total AliphaticEPH	Total AliphaticEPH	7.87			3.54	6.05	mg/kg	
Total EPH	Total EPH	7.87			3.54	6.05	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	99.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050623.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		1.73	U	1.73	4.03	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		7.87		1.81	2.02	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		34.2		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		32.3		40 - 140	65%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4385-08	Acq On:	11 Oct 2024 17:03
Client Sample ID:	SP-4	Operator:	YP\AJ
Data file:	FE050623.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	341152	2.387	300	ug/ml
Aliphatic C12-C16	6.766	10.197	627220	4.322	200	ug/ml
Aliphatic C16-C21	10.198	13.555	915798	6.342	300	ug/ml
Aliphatic C21-C28	13.556	17.208	1403695	9.874	400	ug/ml
Aliphatic C28-C40	17.209	22.055	16198653	117.124	600	ug/ml
Aliphatic EPH	3.149	22.055	19486518	140.05		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	5086040	32.26		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	4043373	34.18		ug/ml
Aliphatic C9-C28	3.149	17.208	3287865	22.925	1200	ug/ml

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 17:33	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.8		1	1.92	2.14	mg/kg	FE050624.D
Aliphatic C9-C28	Aliphatic C9-C28	5.45		1	1.84	4.27	mg/kg	FE050624.D
Total AliphaticEPH	Total AliphaticEPH	17.3			3.76	6.41	mg/kg	
Total EPH	Total EPH	17.3			3.76	6.41	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050624.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.45		1.84	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.8		1.92	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.9		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.8		40 - 140	74%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4385-10	Acq On:	11 Oct 2024 17:33
Client Sample ID:	SP-5	Operator:	YP\AJ
Data file:	FE050624.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	374311	2.619	300	ug/ml
Aliphatic C12-C16	6.766	10.197	999153	6.885	200	ug/ml
Aliphatic C16-C21	10.198	13.555	7590816	52.568	300	ug/ml
Aliphatic C21-C28	13.556	17.208	2433355	17.118	400	ug/ml
Aliphatic C28-C40	17.209	22.055	22915987	165.694	600	ug/ml
Aliphatic EPH	3.149	22.055	34313622	244.883		ug/ml
ortho-Terphenyl (SURR)	11.860	11.860	5805451	36.82		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	4602122	38.9		ug/ml
Aliphatic C9-C28	3.149	17.208	11397635	79.19	1200	ug/ml

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-12	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 18:03	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.74		1	1.93	2.14	mg/kg	FE050625.D
Aliphatic C9-C28	Aliphatic C9-C28	1.85	U	1	1.85	4.29	mg/kg	FE050625.D
Total AliphaticEPH	Total AliphaticEPH	8.74			3.77	6.42	mg/kg	
Total EPH	Total EPH	8.74			3.77	6.42	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-12	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050625.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		1.85	U	1.85	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		8.74		1.93	2.14	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		32.5		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		31.0		40 - 140	62%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4385-12	Acq On:	11 Oct 2024 18:03
Client Sample ID:	SP-6	Operator:	YP\AJ
Data file:	FE050625.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	330303	2.311	300	ug/ml
Aliphatic C12-C16	6.766	10.197	632628	4.359	200	ug/ml
Aliphatic C16-C21	10.198	13.555	1176503	8.147	300	ug/ml
Aliphatic C21-C28	13.556	17.208	1582361	11.131	400	ug/ml
Aliphatic C28-C40	17.209	22.055	16901447	122.206	600	ug/ml
Aliphatic EPH	3.149	22.055	20623242	148.155		ug/ml
ortho-Terphenyl (SURR)	11.858	11.858	4889673	31.01		ug/ml
1-chlorooctadecane (SURR)	13.292	13.292	3848721	32.54		ug/ml
Aliphatic C9-C28	3.149	17.208	3721795	25.948	1200	ug/ml

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 18:33	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	18.8		1	1.92	2.13	mg/kg	FE050626.D
Aliphatic C9-C28	Aliphatic C9-C28	2.84	J	1	1.83	4.25	mg/kg	FE050626.D
Total AliphaticEPH	Total AliphaticEPH	21.6			3.75	6.38	mg/kg	
Total EPH	Total EPH	21.6			3.75	6.38	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050626.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.84	J	1.83	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.8		1.92	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.9		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.1		40 - 140	70%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4385-14	Acq On:	11 Oct 2024 18:33
Client Sample ID:	SP-7	Operator:	YP\AJ
Data file:	FE050626.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	366618	2.566	300	ug/ml
Aliphatic C12-C16	6.766	10.197	1033504	7.122	200	ug/ml
Aliphatic C16-C21	10.198	13.555	1869158	12.944	300	ug/ml
Aliphatic C21-C28	13.556	17.208	2838534	19.968	400	ug/ml
Aliphatic C28-C40	17.209	22.055	36607225	264.688	600	ug/ml
Aliphatic EPH	3.149	22.055	42715039	307.287		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	5534332	35.1		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	4361696	36.87		ug/ml
Aliphatic C9-C28	3.149	17.208	6107814	42.6	1200	ug/ml

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 19:03	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	14.8		1	1.91	2.12	mg/kg	FE050627.D
Aliphatic C9-C28	Aliphatic C9-C28	2.42	J	1	1.82	4.24	mg/kg	FE050627.D
Total AliphaticEPH	Total AliphaticEPH	17.2			3.73	6.36	mg/kg	
Total EPH	Total EPH	17.2			3.73	6.36	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050627.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.42	J	1.82	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		14.8		1.91	2.12	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		35.8		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		33.9		40 - 140	68%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4385-16	Acq On:	11 Oct 2024 19:03
Client Sample ID:	SP-8	Operator:	YP\AJ
Data file:	FE050627.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	336259	2.353	300	ug/ml
Aliphatic C12-C16	6.766	10.197	963389	6.639	200	ug/ml
Aliphatic C16-C21	10.198	13.555	1731454	11.991	300	ug/ml
Aliphatic C21-C28	13.556	17.208	2222112	15.632	400	ug/ml
Aliphatic C28-C40	17.209	22.055	28880071	208.817	600	ug/ml
Aliphatic EPH	3.149	22.055	34133285	245.431		ug/ml
ortho-Terphenyl (SURR)	11.860	11.860	5340080	33.87		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	4230197	35.76		ug/ml
Aliphatic C9-C28	3.149	17.208	5253214	36.615	1200	ug/ml

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 19:33	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	16.0		1	1.92	2.14	mg/kg	FE050628.D
Aliphatic C9-C28	Aliphatic C9-C28	2.49	J	1	1.84	4.27	mg/kg	FE050628.D
Total AliphaticEPH	Total AliphaticEPH	18.5			3.76	6.41	mg/kg	
Total EPH	Total EPH	18.5			3.76	6.41	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050628.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.49	J	1.84	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.0		1.92	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.7		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.0		40 - 140	64%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4385-18	Acq On:	11 Oct 2024 19:33
Client Sample ID:	SP-9	Operator:	YP\AJ
Data file:	FE050628.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	350641	2.454	300	ug/ml
Aliphatic C12-C16	6.766	10.197	823698	5.676	200	ug/ml
Aliphatic C16-C21	10.198	13.555	1788388	12.385	300	ug/ml
Aliphatic C21-C28	13.556	17.208	2390242	16.814	400	ug/ml
Aliphatic C28-C40	17.209	22.055	31149150	225.224	600	ug/ml
Aliphatic EPH	3.149	22.055	36502119	262.553		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	5051468	32.04		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	3984071	33.68		ug/ml
Aliphatic C9-C28	3.149	17.208	5352969	37.329	1200	ug/ml

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 20:04	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	15.0		1	1.90	2.12	mg/kg	FE050629.D
Aliphatic C9-C28	Aliphatic C9-C28	3.91	J	1	1.82	4.24	mg/kg	FE050629.D
Total AliphaticEPH	Total AliphaticEPH	18.9			3.72	6.36	mg/kg	
Total EPH	Total EPH	18.9			3.72	6.36	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050629.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.91	J	1.82	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.0		1.90	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.4		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.8		40 - 140	64%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4385-20	Acq On:	11 Oct 2024 20:04
Client Sample ID:	SP-10	Operator:	YP\AJ
Data file:	FE050629.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.765	329564	2.306	300	ug/ml
Aliphatic C12-C16	6.766	10.197	769523	5.303	200	ug/ml
Aliphatic C16-C21	10.198	13.555	5435124	37.639	300	ug/ml
Aliphatic C21-C28	13.556	17.208	1793381	12.616	400	ug/ml
Aliphatic C28-C40	17.209	22.055	29439615	212.863	600	ug/ml
Aliphatic EPH	3.149	22.055	37767207	270.726		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	5013767	31.8		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	3951180	33.4		ug/ml
Aliphatic C9-C28	3.149	17.208	8327592	57.864	1200	ug/ml

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM CASE No.: P4385 SAS No.: P4385 SDG No.: P4385

Run Number: FC101124AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
OR-02-100924MS	79	73		0
OR-02-100924MSD	80	73		0
PB164070BL	69	66		0
PB164070BS	74	71		0
PB164070BSD	77	74		0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM CASE No.: P4385 SAS No.: P4385 SDG No.: P4385

Run Number: FE101224AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
SP-1	64	61		0
SP-2	62	58		0
SP-3	56	53		0
SP-4	68	65		0
SP-5	78	74		0
SP-6	65	62		0
SP-7	74	70		0
SP-8	72	68		0
SP-9	67	64		0
SP-10	67	64		0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOIL EPH SURROGATE RECOVERY

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Scheideler Excavating Co. Inc.

Lab Code: CHEM **Cas No:** P4385 **SAS No :** P4385 **SDG No:** P4385

Sample No : P4376-01MS **Datafile:** FC067405.D

Client ID : OR-02-100924MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	31.6	35.4	73.1	119		(40-140)
Aliphatic C9-C28	105.4	12.4	72.8	57		(40-140)

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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Scheideler Excavating Co. Inc.

Lab Code: CHEM **Cas No:** P4385 **SAS No :** P4385 **SDG No:** P4385

Sample No : P4376-01MSD **Datafile:** FC067406.D

Client ID : OR-02-100924MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	31.6	35.4	74.2	122		2.49 |	(40-140)	25
Aliphatic C9-C28	105.3	12.4	70.7	55		3.7 |	(40-140)	25

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Scheideler Excavating Co. Inc.

Lab Code: CHEM **Cas No:** P4385 **SAS No :** P4385 **SDG No:** P4385

Sample No : PB164070BS **Datafile:** FC067401.D

Client ID : PB164070BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C28-C40	30.0	27.2	91		(40-140)
Aliphatic C9-C28	100.1	70.8	71		(40-140)

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Scheideler Excavating Co. Inc.

Lab Code: CHEM **Cas No:** P4385 **SAS No :** P4385 **SDG No:** P4385

Sample No : PB164070BSD **Datafile:** FC067402.D

Client ID : PB164070BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C28-C40	30.0	27.8	93		2.2|	(40-140)	50
Aliphatic C9-C28	99.9	74.2	75		4.7|	(40-140)	50

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4B

METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164070BL

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG NO.: P4385

Instrument ID: FID_C Lab Sample ID: PB164070BL

Matrix: (soil/water) Solid Date Extracted: 10/11/2024 9:55:00

Level: (low/med) low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID
PB164070BS	PB164070BS
PB164070BSD	PB164070BSD
OR-02-100924MS	P4376-01MS
OR-02-100924MSD	P4376-01MSD
SP-1	P4385-02
SP-2	P4385-04
SP-3	P4385-06
SP-4	P4385-08
SP-5	P4385-10
SP-6	P4385-12
SP-7	P4385-14
SP-8	P4385-16
SP-9	P4385-18
SP-10	P4385-20

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164070BL	SDG No.:	P4385
Lab Sample ID:	PB164070BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 14:12	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC067400.D
Aliphatic C9-C28	Aliphatic C9-C28	1.72	U	1	1.72	3.99	mg/kg	FC067400.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	5.99	mg/kg	
Total EPH	Total EPH	3.52	U		3.52	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164070BL	SDG No.:	P4385
Lab Sample ID:	PB164070BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067400.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		1.72	U	1.72	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.80	U	1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		34.4		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		33.0		40 - 140	66%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164070BL	Acq On:	11 Oct 2024 14:12
Client Sample ID:	PB164070BL	Operator:	YP/AJ
Data file:	FC067400.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	0	0	300	ug/ml
Aliphatic C12-C16	6.458	9.848	0	0	200	ug/ml
Aliphatic C16-C21	9.849	13.207	0	0	300	ug/ml
Aliphatic C21-C28	13.208	16.862	0	0	400	ug/ml
Aliphatic C28-C40	16.863	21.712	0	0	600	ug/ml
Aliphatic EPH	3.175	21.712	0	0		ug/ml
ortho-Terphenyl (SURR)	11.501	11.501	5017691	32.98		ug/ml
1-chlorooctadecane (SURR)	12.940	12.940	3893672	34.4		ug/ml
Aliphatic C9-C28	3.175	16.862	0	0	1200	ug/ml

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164070BS	SDG No.:	P4385
Lab Sample ID:	PB164070BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 14:49	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	27.2		1	1.80	2.00	mg/kg	FC067401.D
Aliphatic C9-C28	Aliphatic C9-C28	70.8		1	1.72	4.00	mg/kg	FC067401.D
Total AliphaticEPH	Total AliphaticEPH	98.0			3.52	6.00	mg/kg	
Total EPH	Total EPH	98.0			3.52	6.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164070BS	SDG No.:	P4385
Lab Sample ID:	PB164070BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067401.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		70.8		1.72	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		27.2		1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		37.0		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		35.4		40 - 140	71%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164070BS	Acq On:	11 Oct 2024 14:49
Client Sample ID:	PB164070BS	Operator:	YP/AJ
Data file:	FC067401.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	24435479	190.375	300	ug/ml
Aliphatic C12-C16	6.458	9.848	31896095	243.56	200	ug/ml
Aliphatic C16-C21	9.849	13.207	36586203	278.273	300	ug/ml
Aliphatic C21-C28	13.208	16.862	44462454	350.585	400	ug/ml
Aliphatic C28-C40	16.863	21.712	43021133	408.885	600	ug/ml
Aliphatic EPH	3.175	21.712	180401364	1470		ug/ml
ortho-Terphenyl (SURR)	11.503	11.503	5384385	35.39		ug/ml
1-chlorooctadecane (SURR)	12.940	12.940	4182641	36.95		ug/ml
Aliphatic C9-C28	3.175	16.862	137380231	1060	1200	ug/ml

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164070BSD	SDG No.:	P4385
Lab Sample ID:	PB164070BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 15:25	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	27.8		1	1.80	2.00	mg/kg	FC067402.D
Aliphatic C9-C28	Aliphatic C9-C28	74.2		1	1.72	3.99	mg/kg	FC067402.D
Total AliphaticEPH	Total AliphaticEPH	102			3.52	5.99	mg/kg	
Total EPH	Total EPH	102			3.52	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	PB164070BSD	SDG No.:	P4385
Lab Sample ID:	PB164070BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067402.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		74.2		1.72	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		27.8		1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.7		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		37.1		40 - 140	74%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164070BSD	Acq On:	11 Oct 2024 15:25
Client Sample ID:	PB164070BSD	Operator:	YP/AJ
Data file:	FC067402.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	25660178	199.916	300	ug/ml
Aliphatic C12-C16	6.458	9.848	33412457	255.139	200	ug/ml
Aliphatic C16-C21	9.849	13.207	38352971	291.711	300	ug/ml
Aliphatic C21-C28	13.208	16.862	46650565	367.838	400	ug/ml
Aliphatic C28-C40	16.863	21.712	43888549	417.129	600	ug/ml
Aliphatic EPH	3.175	21.712	187964720	1530		ug/ml
ortho-Terphenyl (SURR)	11.503	11.503	5645722	37.1		ug/ml
1-chlorooctadecane (SURR)	12.941	12.941	4381848	38.71		ug/ml
Aliphatic C9-C28	3.175	16.862	144076171	1110	1200	ug/ml

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	OR-02-100924MS	SDG No.:	P4385
Lab Sample ID:	P4376-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 17:15	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	73.1	E	1	1.90	2.11	mg/kg	FC067405.D
Aliphatic C9-C28	Aliphatic C9-C28	72.8		1	1.81	4.20	mg/kg	FC067405.D
Total AliphaticEPH	Total AliphaticEPH	146			3.71	6.31	mg/kg	
Total EPH	Total EPH	146			3.71	6.31	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	OR-02-100924MS	SDG No.:	P4385
Lab Sample ID:	P4376-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067405.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		72.8		1.81	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		73.1	E	1.90	2.11	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		39.3		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		36.3		40 - 140	73%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4376-01MS	Acq On:	11 Oct 2024 17:15
Client Sample ID:	OR-02-100924MS	Operator:	YP/AJ
Data file:	FC067405.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	17812741	138.778	300	ug/ml
Aliphatic C12-C16	6.458	9.848	28480646	217.48	200	ug/ml
Aliphatic C16-C21	9.849	13.207	43424263	330.283	300	ug/ml
Aliphatic C21-C28	13.208	16.862	44437861	350.391	400	ug/ml
Aliphatic C28-C40	16.863	21.712	109512902	1040	600	ug/ml
Aliphatic EPH	3.175	21.712	243668413	2080		ug/ml
ortho-Terphenyl (SURR)	11.505	11.505	5522779	36.3		ug/ml
1-chlorooctadecane (SURR)	12.943	12.943	4447580	39.29		ug/ml
Aliphatic C9-C28	3.175	16.862	134155511	1040	1200	ug/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	OR-02-100924MSD	SDG No.:	P4385
Lab Sample ID:	P4376-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/11/24 09:55	10/11/24 17:52	PB164070

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	74.2	E	1	1.89	2.11	mg/kg	FC067406.D
Aliphatic C9-C28	Aliphatic C9-C28	70.7		1	1.81	4.20	mg/kg	FC067406.D
Total AliphaticEPH	Total AliphaticEPH	145			3.70	6.31	mg/kg	
Total EPH	Total EPH	145			3.70	6.31	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	
Project:	Robbinsville	Date Received:	
Client Sample ID:	OR-02-100924MSD	SDG No.:	P4385
Lab Sample ID:	P4376-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067406.D	1	10/11/24	10/11/24	PB164070

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		70.7		1.81	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		74.2	E	1.89	2.11	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		40.1		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		36.7		40 - 140	73%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4376-01MSD	Acq On:	11 Oct 2024 17:52
Client Sample ID:	OR-02-100924MSD	Operator:	YP/AJ
Data file:	FC067406.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.457	18042280	140.566	300	ug/ml
Aliphatic C12-C16	6.458	9.848	28894181	220.638	200	ug/ml
Aliphatic C16-C21	9.849	13.207	38150608	290.171	300	ug/ml
Aliphatic C21-C28	13.208	16.862	45083491	355.482	400	ug/ml
Aliphatic C28-C40	16.863	21.712	111205034	1060	600	ug/ml
Aliphatic EPH	3.175	21.712	241375594	2060		ug/ml
ortho-Terphenyl (SURR)	11.507	11.507	5578238	36.66		ug/ml
1-chlorooctadecane (SURR)	12.944	12.944	4537994	40.09		ug/ml
Aliphatic C9-C28	3.175	16.862	130170560	1010	1200	ug/ml

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Inital Calibration Report for SequenceID : FC100224AL

AreaCount

Parameter Range	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.D	
Aliphatic C9-C12	36157754.000	18468554.000	7796622.000	3912320.000	2066528.000	
Aliphatic C12-C16	24671572.000	12642565.000	5319639.000	2676246.000	1382016.000	
Aliphatic C16-C21	36539622.000	18852548.000	8005327.000	4100822.000	2096729.000	
Aliphatic C21-C28	47235980.000	24590379.000	10215208.000	5219473.000	2697991.000	
Aliphatic C28-C40	57341685.000	29822245.000	12674884.000	6440179.000	3544258.000	
Aliphatic EPH	201946613.000	104376291.000	44011680.000	22349040.000	11787522.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	128354.4879996	5.284				
Aliphatic C12-C16	130957.677	4.567				
Aliphatic C16-C21	131476.1019996	5.732				
Aliphatic C21-C28	126823.664	5.15				
Aliphatic C28-C40	105215.848333	8.211				
Aliphatic EPH	121110.9372216	6.036				

Concentration

Parameter Range	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.D	
Aliphatic C9-C12	120525.846666	123123.693333	129943.700000	130410.666666	137768.533333	
Aliphatic C12-C16	123357.860000	126425.650000	132990.975000	133812.300000	138201.600000	
Aliphatic C16-C21	121798.740000	125683.653333	133422.116666	136694.066666	139781.933333	

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Fax : 908 789 8922

Inital Calibration Report for SequenceID : FC100224AL

Aliphatic C21-C28	118089.950000	122951.895000	127690.100000	130486.825000	134899.550000	
Aliphatic C28-C40	95569.475000	99407.483333	105624.033333	107336.316666	118141.933333	
Aliphatic EPH	112192.562777	115973.656666	122254.666666	124161.333333	130972.466666	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067312.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 10:32
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

A B C D E F

Integration File: autoint1.e
Quant Time: Oct 01 09:09:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.507	14031279	90.846 ug/ml
Spiked Amount	50.000		Recovery =	181.69%
12) S	1-chlorooctadecane (S...	12.944	10549566	91.667 ug/ml
Spiked Amount	50.000		Recovery =	183.33%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	11861469	92.598 ug/ml
2) T	n-Decane (C10)	4.341	12068578	92.595 ug/ml
3) T	A~Naphthalene (C11.7)	5.920	13362934	92.860 ug/ml
4) T	n-Dodecane (C12)	6.359	12227707	93.059 ug/ml
5) T	A~2-methylnaphthalene...	6.977	13024556	93.287 ug/ml
6) T	n-Tetradecane (C14)	8.152	12180763	93.109 ug/ml
7) T	n-Hexadecane (C16)	9.752	12490809	92.415 ug/ml
8) T	n-Octadecane (C18)	11.195	12572452	91.327 ug/ml
10) T	n-Eicosane (C20)	12.501	12084501	91.351 ug/ml
11) T	n-Heneicosane (C21)	13.112	11882669	91.183 ug/ml
13) T	n-Docosane (C22)	13.698	11869877	91.916 ug/ml
14) T	n-Tetracosane (C24)	14.799	11932581	92.694 ug/ml
15) T	n-Hexacosane (C26)	15.819	11803866	93.014 ug/ml
16) T	n-Octacosane (C28)	16.768	11629656	92.309 ug/ml
17) T	n-Tricontane (C30)	17.655	11716937	91.007 ug/ml
18) T	n-Dotriacontane (C32)	18.486	11186042	89.566 ug/ml
19) T	n-Tetratriacontane (C34)	19.267	9833987	89.675 ug/ml
20) T	n-Hexatriacontane (C36)	20.005	8551618	89.685 ug/ml
21) T	n-Octatriacontane (C38)	20.730	8143888	91.977 ug/ml
22) T	n-Tetracontane (C40)	21.618	7909213	91.385 ug/ml

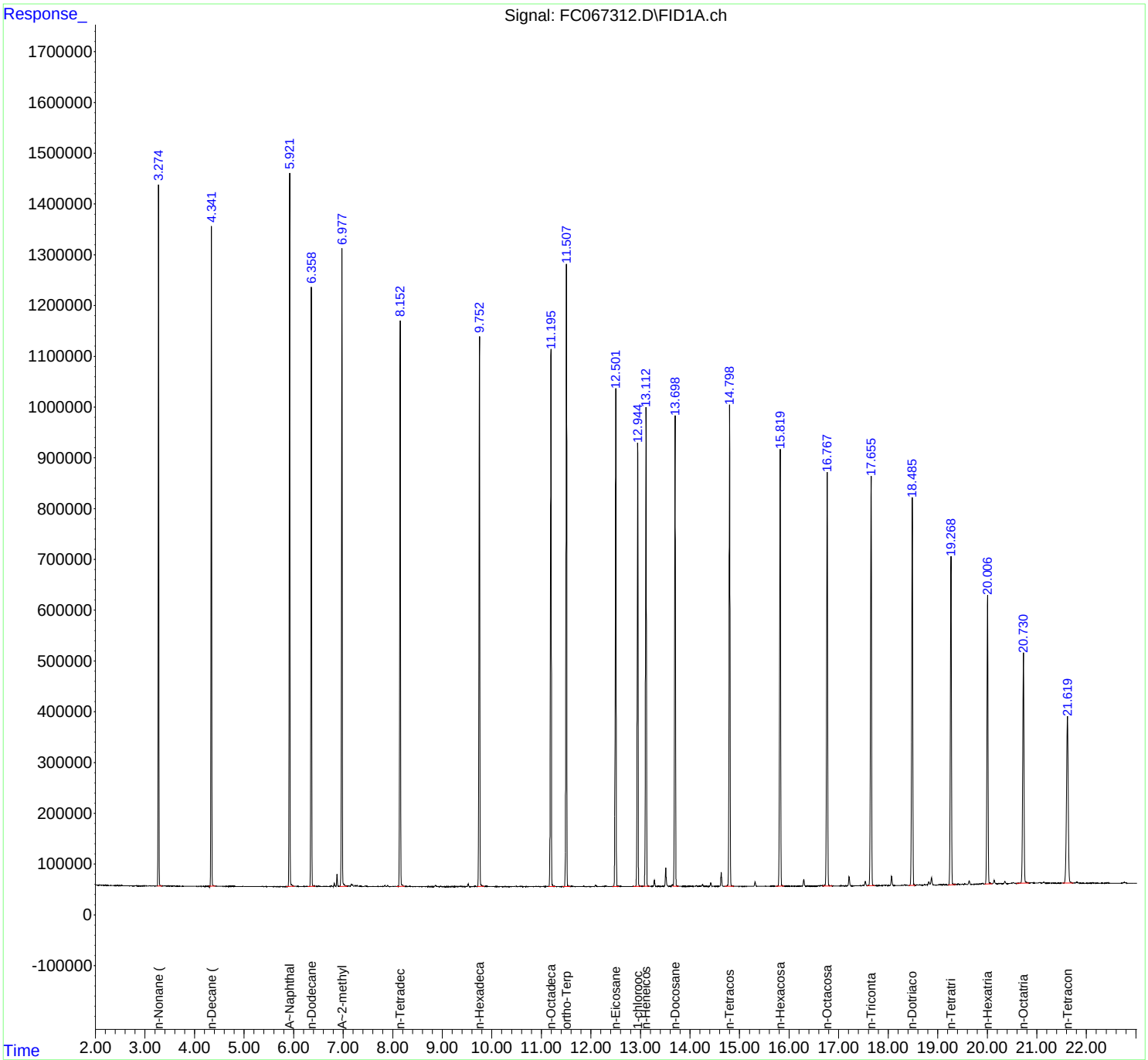
(f)=RT Delta > 1/2 Window (m)=manual int.

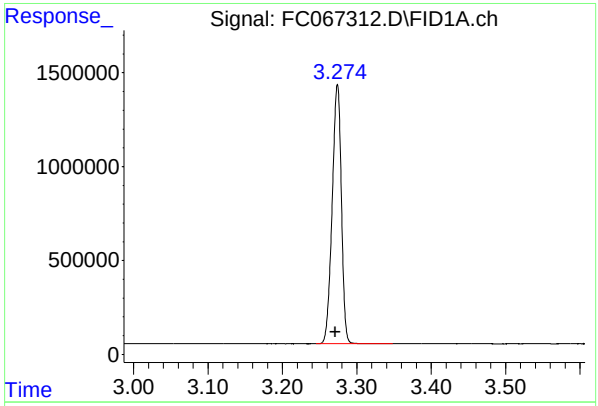
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067312.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 10:32
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 01 09:09:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

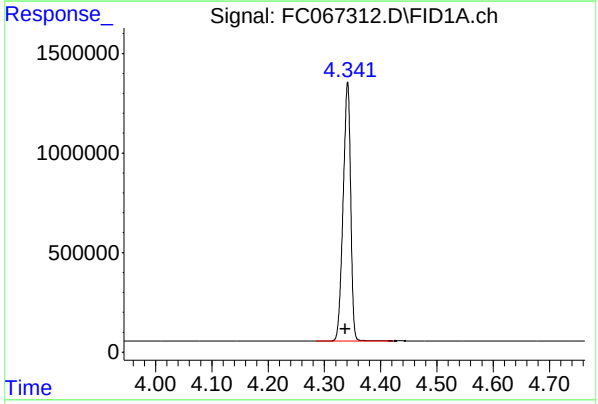




#1 n-Nonane (C9)

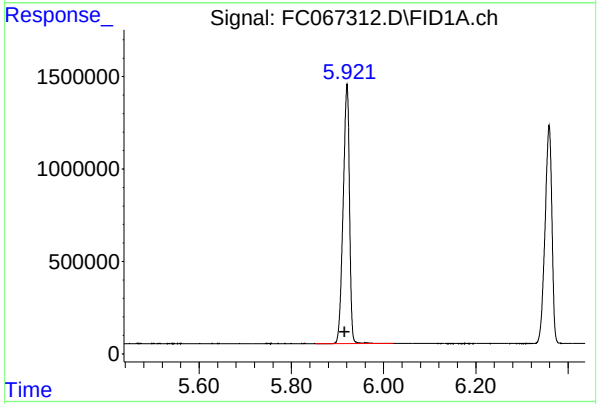
R.T.: 3.274 min
Delta R.T.: 0.003 min
Response: 11861469
Conc: 92.60 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



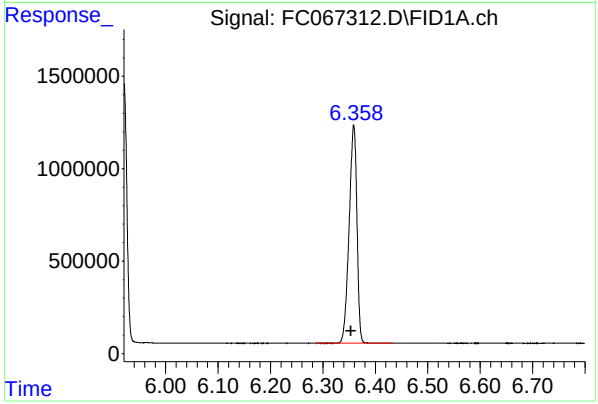
#2 n-Decane (C10)

R.T.: 4.341 min
Delta R.T.: 0.004 min
Response: 12068578
Conc: 92.59 ug/ml



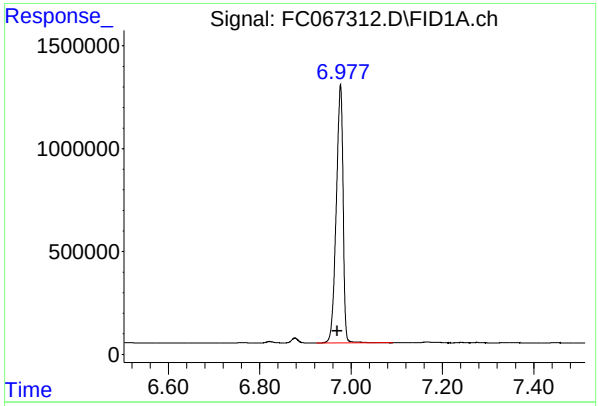
#3 A~Naphthalene (C11.7)

R.T.: 5.920 min
Delta R.T.: 0.005 min
Response: 13362934
Conc: 92.86 ug/ml



#4 n-Dodecane (C12)

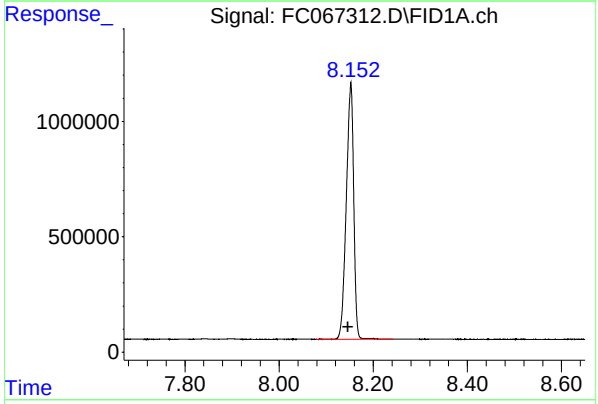
R.T.: 6.359 min
Delta R.T.: 0.005 min
Response: 12227707
Conc: 93.06 ug/ml



#5 A~2-methylnaphthalene (C12.89)

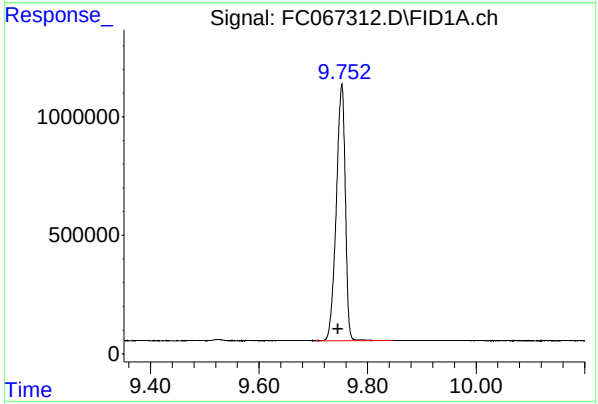
R.T.: 6.977 min
Delta R.T.: 0.007 min
Response: 13024556
Conc: 93.29 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



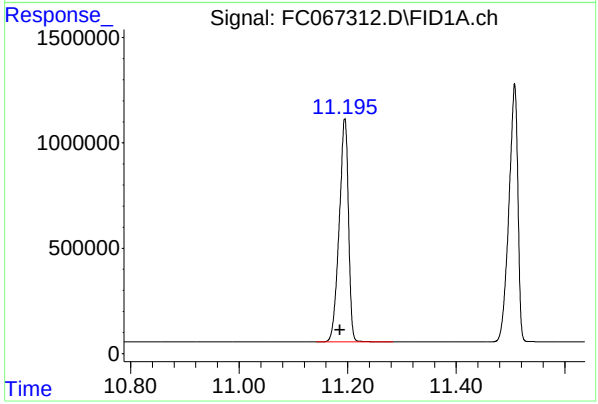
#6 n-Tetradecane (C14)

R.T.: 8.152 min
Delta R.T.: 0.006 min
Response: 12180763
Conc: 93.11 ug/ml



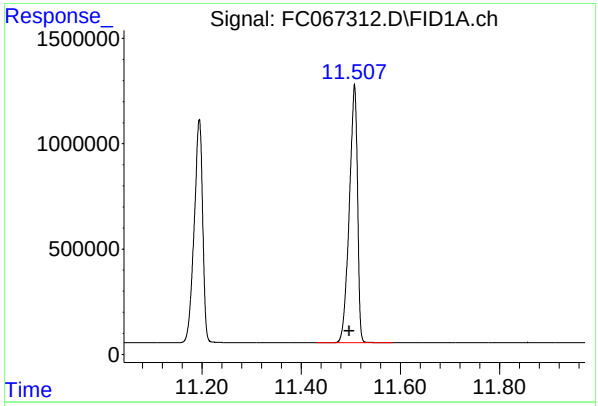
#7 n-Hexadecane (C16)

R.T.: 9.752 min
Delta R.T.: 0.007 min
Response: 12490809
Conc: 92.42 ug/ml



#8 n-Octadecane (C18)

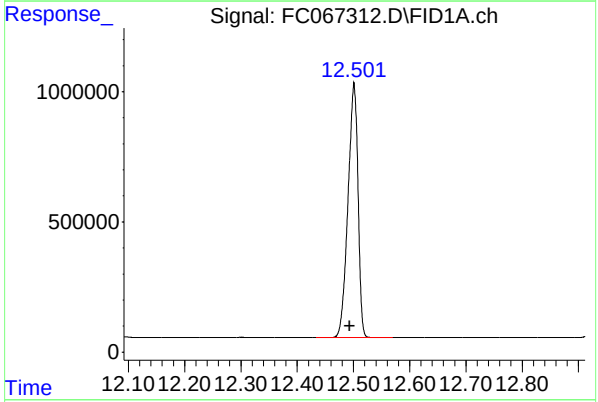
R.T.: 11.195 min
Delta R.T.: 0.008 min
Response: 12572452
Conc: 91.33 ug/ml



#9 ortho-Terphenyl (SURR)

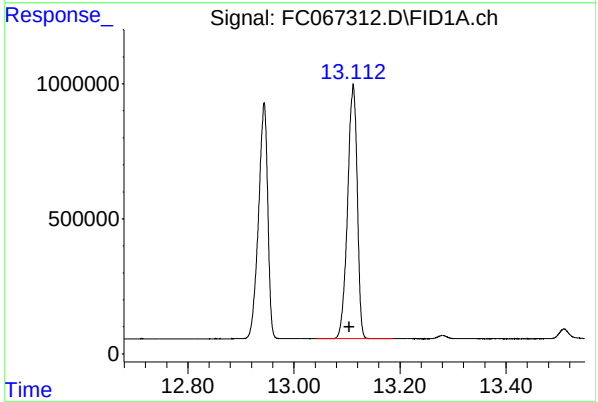
R.T.: 11.507 min
Delta R.T.: 0.010 min
Response: 14031279
Conc: 90.85 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



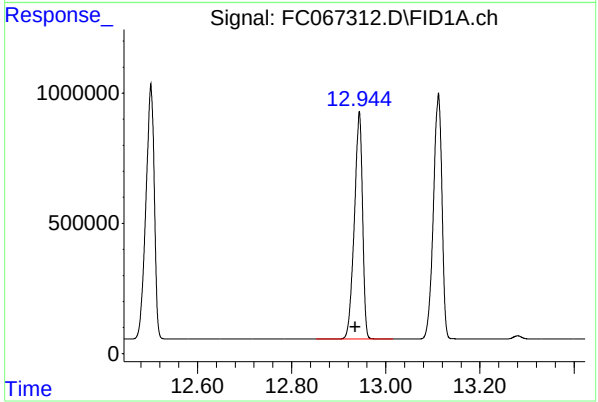
#10 n-Eicosane (C20)

R.T.: 12.501 min
Delta R.T.: 0.007 min
Response: 12084501
Conc: 91.35 ug/ml



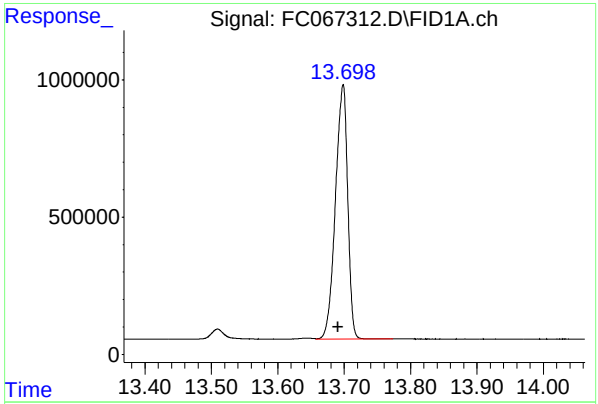
#11 n-Heneicosane (C21)

R.T.: 13.112 min
Delta R.T.: 0.007 min
Response: 11882669
Conc: 91.18 ug/ml



#12 1-chlorooctadecane (SURR)

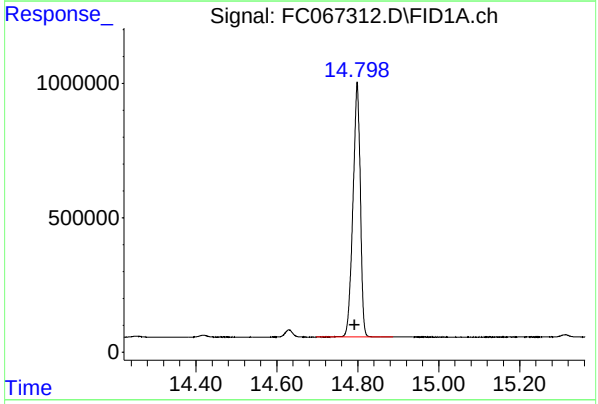
R.T.: 12.944 min
Delta R.T.: 0.008 min
Response: 10549566
Conc: 91.67 ug/ml



#13 n-Docosane (C22)

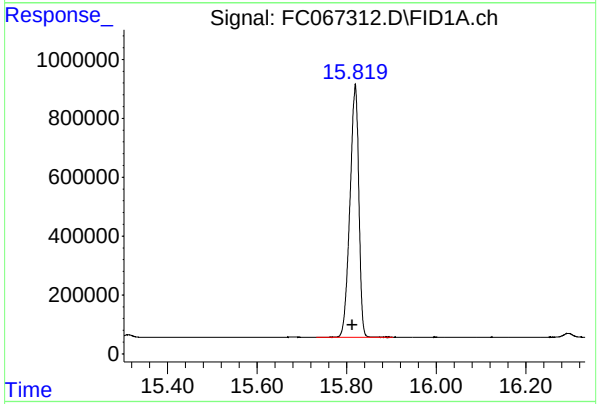
R.T.: 13.698 min
Delta R.T.: 0.007 min
Response: 11869877
Conc: 91.92 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



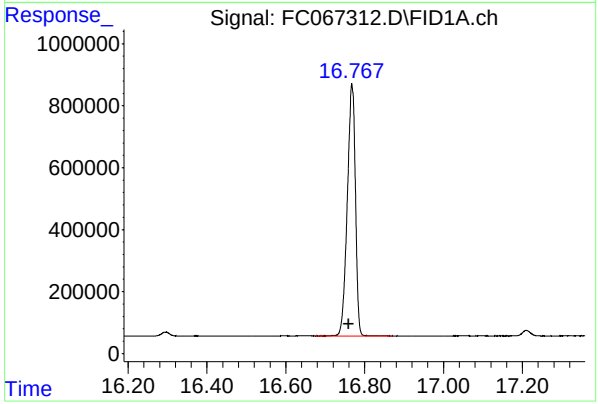
#14 n-Tetracosane (C24)

R.T.: 14.799 min
Delta R.T.: 0.007 min
Response: 11932581
Conc: 92.69 ug/ml



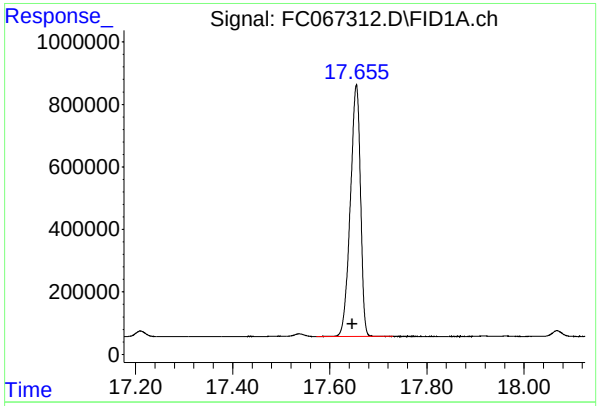
#15 n-Hexacosane (C26)

R.T.: 15.819 min
Delta R.T.: 0.007 min
Response: 11803866
Conc: 93.01 ug/ml



#16 n-Octacosane (C28)

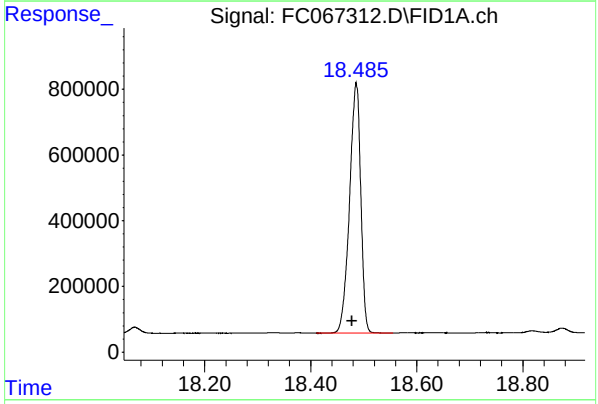
R.T.: 16.768 min
Delta R.T.: 0.008 min
Response: 11629656
Conc: 92.31 ug/ml



#17 n-Tricontane (C30)

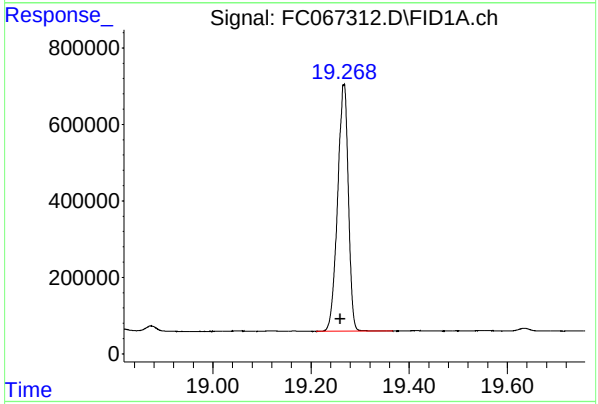
R.T.: 17.655 min
Delta R.T.: 0.009 min
Response: 11716937
Conc: 91.01 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



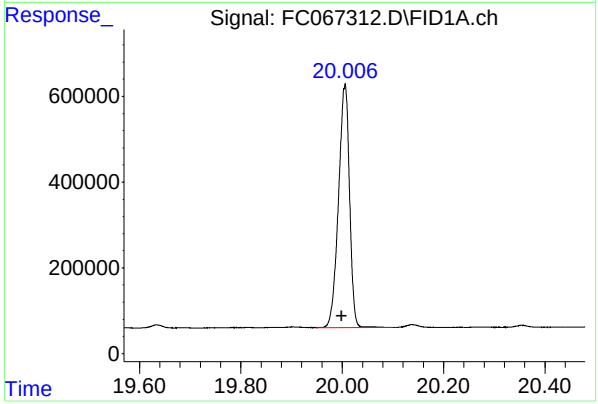
#18 n-Dotriacontane (C32)

R.T.: 18.486 min
Delta R.T.: 0.008 min
Response: 11186042
Conc: 89.57 ug/ml



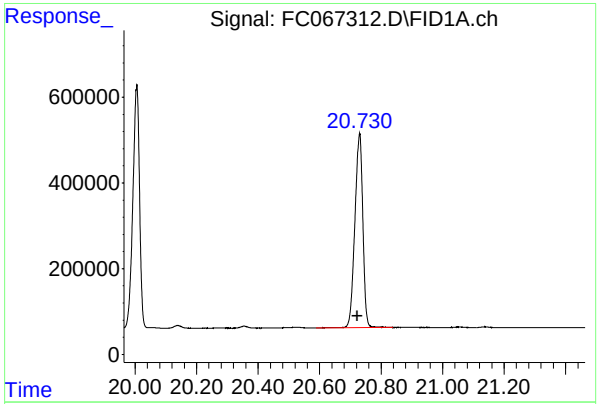
#19 n-Tetratriacontane (C34)

R.T.: 19.267 min
Delta R.T.: 0.007 min
Response: 9833987
Conc: 89.67 ug/ml



#20 n-Hexatriacontane (C36)

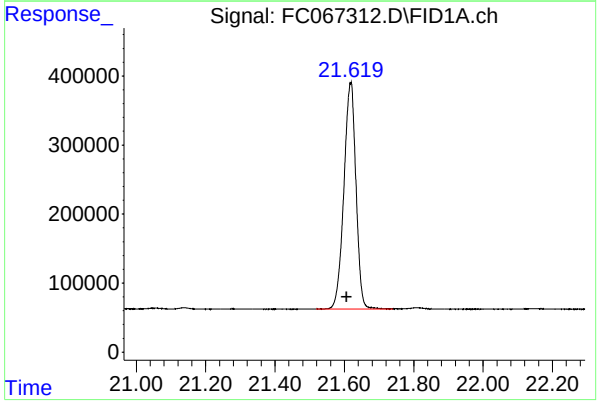
R.T.: 20.005 min
Delta R.T.: 0.006 min
Response: 8551618
Conc: 89.68 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.730 min
Delta R.T.: 0.007 min
Response: 8143888
Conc: 91.98 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.618 min
Delta R.T.: 0.011 min
Response: 7909213
Conc: 91.39 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067312.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 10:32
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.274	3.245	3.348	BB	1383198	11861469	84.54%	4.690%
2	4.341	4.285	4.422	BB	1311158	12068578	86.01%	4.772%
3	5.920	5.853	6.020	BB	1395892	13362934	95.24%	5.284%
4	6.359	6.287	6.433	BB	1182095	12227707	87.15%	4.835%
5	6.977	6.923	7.092	BV	1262404	13024556	92.83%	5.150%
6	8.152	8.078	8.242	BB	1106375	12180763	86.81%	4.816%
7	9.752	9.705	9.847	BB	1075584	12490809	89.02%	4.939%
8	11.195	11.142	11.283	BB	1062471	12572452	89.60%	4.971%
9	11.507	11.430	11.585	BB	1222706	14031279	100.00%	5.548%
10	12.501	12.433	12.570	BB	971541	12084501	86.13%	4.778%
11	12.944	12.852	13.015	BB	876626	10549566	75.19%	4.171%
12	13.112	13.042	13.187	BB	943769	11882669	84.69%	4.698%
13	13.698	13.658	13.773	VB	931064	11869877	84.60%	4.693%
14	14.799	14.697	14.887	BB	947814	11932581	85.04%	4.718%
15	15.819	15.732	15.903	BB	851235	11803866	84.13%	4.667%
16	16.768	16.677	16.872	BB	807852	11629656	82.88%	4.598%
17	17.655	17.572	17.730	PB	806791	11716937	83.51%	4.633%
18	18.486	18.410	18.555	BV	761825	11186042	79.72%	4.423%
19	19.267	19.210	19.367	BB	643849	9833987	70.09%	3.888%
20	20.005	19.948	20.100	BB	565289	8551618	60.95%	3.381%
21	20.730	20.588	20.838	BV	454057	8143888	58.04%	3.220%
22	21.618	21.518	21.740	BB	326286	7909213	56.37%	3.127%

Sum of corrected areas: 252914944

Aliphatic EPH 100224.M Tue Oct 01 09:20:12 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067313.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:10
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

A B C D E F

Integration File: autoint1.e
Quant Time: Oct 01 09:10:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.501	7231579	49.067 ug/ml
Spiked Amount	50.000		Recovery =	98.13%
12) S	1-chlorooctadecane (S...	12.939	5426500	49.202 ug/ml
Spiked Amount	50.000		Recovery =	98.40%
	Target Compounds			
1) T	n-Nonane (C9)	3.272	6059731	49.124 ug/ml
2) T	n-Decane (C10)	4.338	6163543	49.107 ug/ml
3) T	A~Naphthalene (C11.7)	5.917	6821781	49.160 ug/ml
4) T	n-Dodecane (C12)	6.355	6245280	49.239 ug/ml
5) T	A~2-methylnaphthalene...	6.972	6641948	49.224 ug/ml
6) T	n-Tetradecane (C14)	8.149	6219770	49.240 ug/ml
7) T	n-Hexadecane (C16)	9.748	6422795	49.393 ug/ml
8) T	n-Octadecane (C18)	11.188	6493088	49.304 ug/ml
10) T	n-Eicosane (C20)	12.497	6235508	49.267 ug/ml
11) T	n-Heneicosane (C21)	13.107	6123952	49.160 ug/ml
13) T	n-Docosane (C22)	13.693	6132673	49.489 ug/ml
14) T	n-Tetracosane (C24)	14.795	6211203	50.079 ug/ml
15) T	n-Hexacosane (C26)	15.814	6151165	50.225 ug/ml
16) T	n-Octacosane (C28)	16.763	6095338	50.316 ug/ml
17) T	n-Tricontane (C30)	17.650	6178045	50.245 ug/ml
18) T	n-Dotriacontane (C32)	18.481	5889852	49.755 ug/ml
19) T	n-Tetratriacontane (C34)	19.263	5143313	49.454 ug/ml
20) T	n-Hexatriacontane (C36)	20.001	4380994	48.444 ug/ml
21) T	n-Octatriacontane (C38)	20.724	4146667	48.790 ug/ml
22) T	n-Tetracontane (C40)	21.611	4083374	49.304 ug/ml

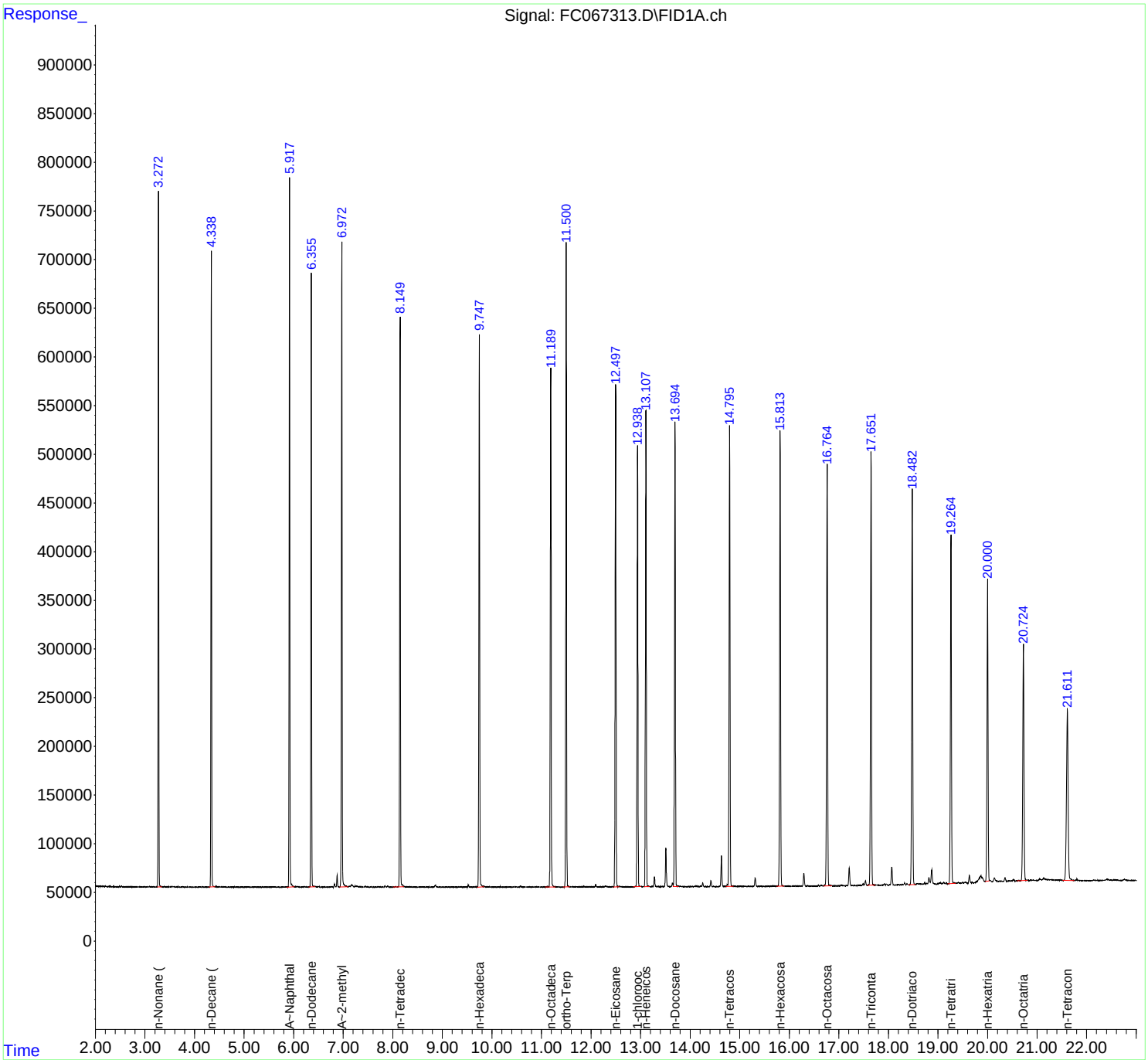
(f)=RT Delta > 1/2 Window (m)=manual int.

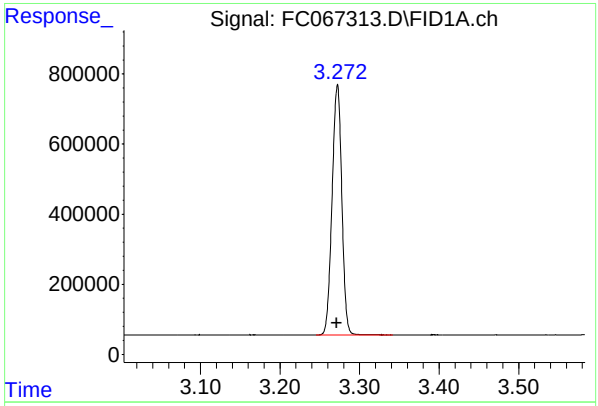
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067313.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:10
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 01 09:10:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

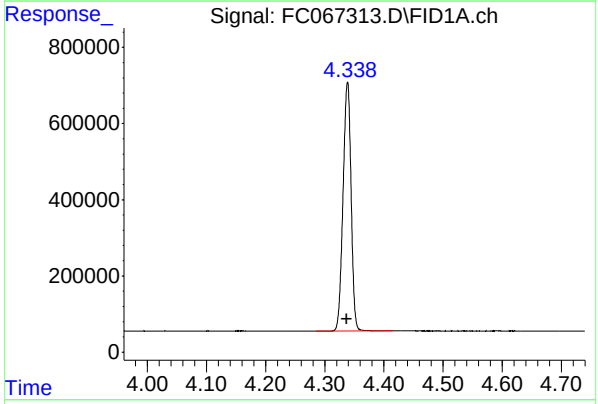




#1 n-Nonane (C9)

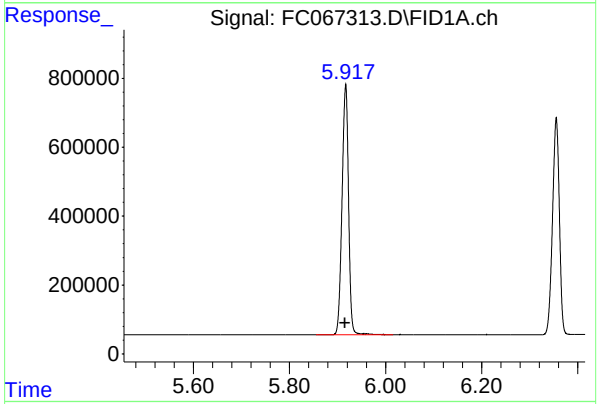
R.T.: 3.272 min
Delta R.T.: 0.001 min
Response: 6059731
Conc: 49.12 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



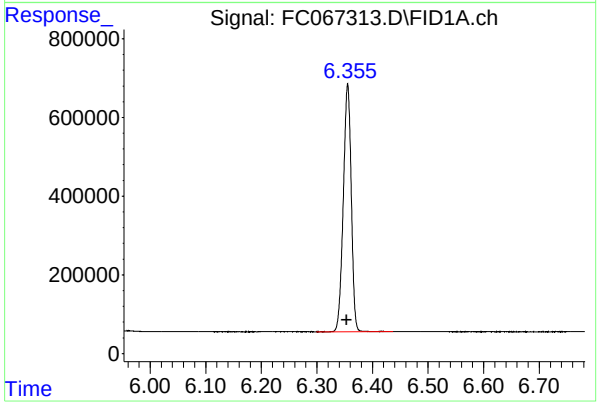
#2 n-Decane (C10)

R.T.: 4.338 min
Delta R.T.: 0.001 min
Response: 6163543
Conc: 49.11 ug/ml



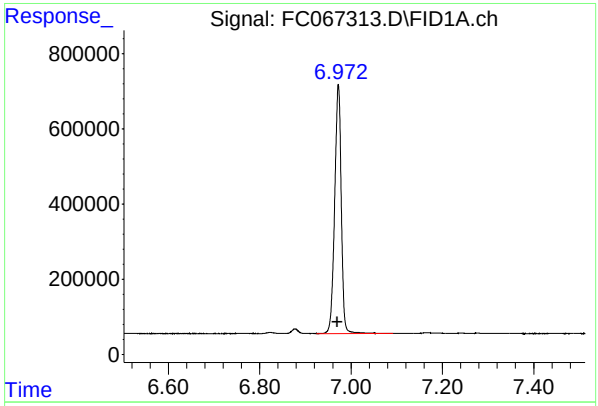
#3 A~Naphthalene (C11.7)

R.T.: 5.917 min
Delta R.T.: 0.002 min
Response: 6821781
Conc: 49.16 ug/ml



#4 n-Dodecane (C12)

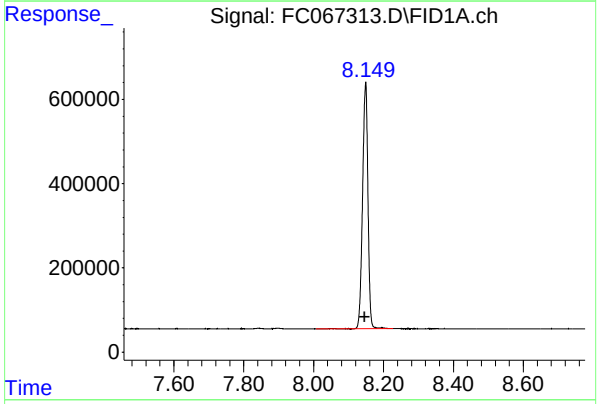
R.T.: 6.355 min
Delta R.T.: 0.002 min
Response: 6245280
Conc: 49.24 ug/ml



#5 A~2-methylnaphthalene (C12.89)

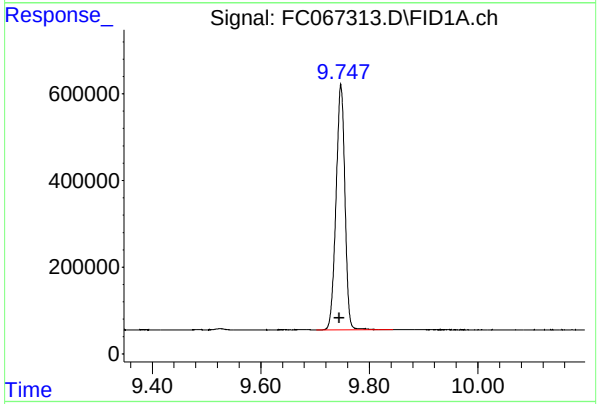
R.T.: 6.972 min
Delta R.T.: 0.002 min
Response: 6641948
Conc: 49.22 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



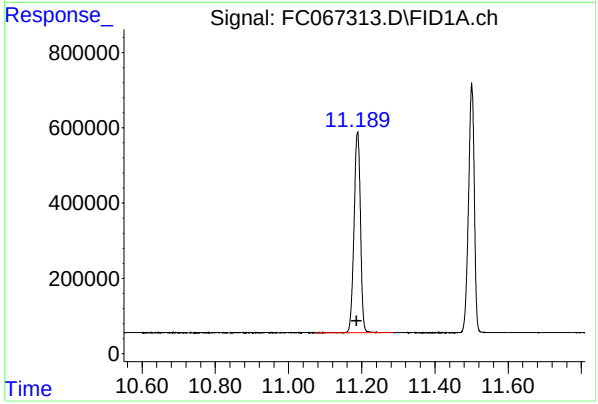
#6 n-Tetradecane (C14)

R.T.: 8.149 min
Delta R.T.: 0.002 min
Response: 6219770
Conc: 49.24 ug/ml



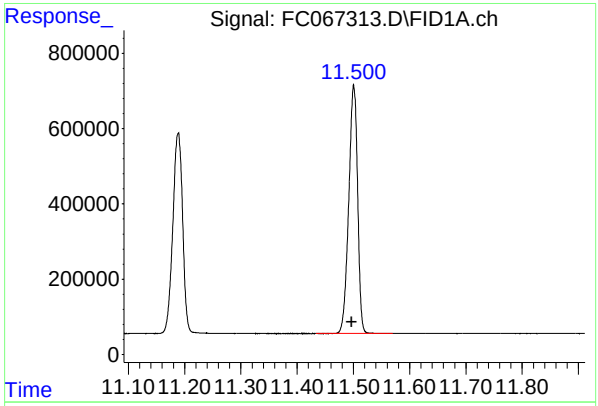
#7 n-Hexadecane (C16)

R.T.: 9.748 min
Delta R.T.: 0.003 min
Response: 6422795
Conc: 49.39 ug/ml



#8 n-Octadecane (C18)

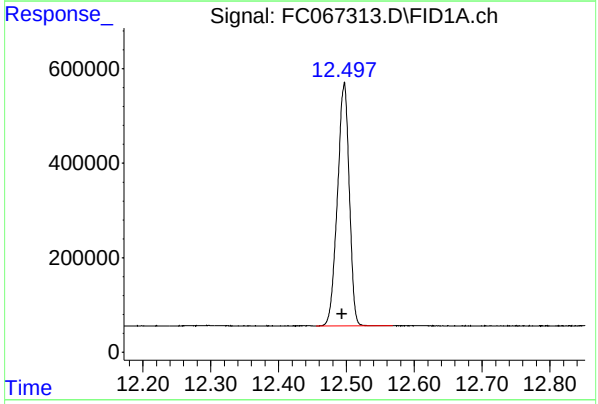
R.T.: 11.188 min
Delta R.T.: 0.002 min
Response: 6493088
Conc: 49.30 ug/ml



#9 ortho-Terphenyl (SURR)

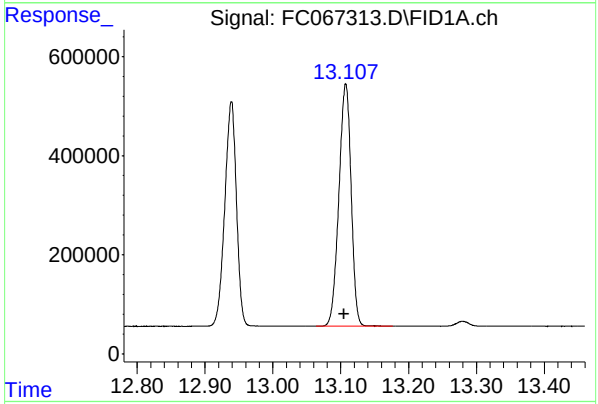
R.T.: 11.501 min
Delta R.T.: 0.004 min
Response: 7231579
Conc: 49.07 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



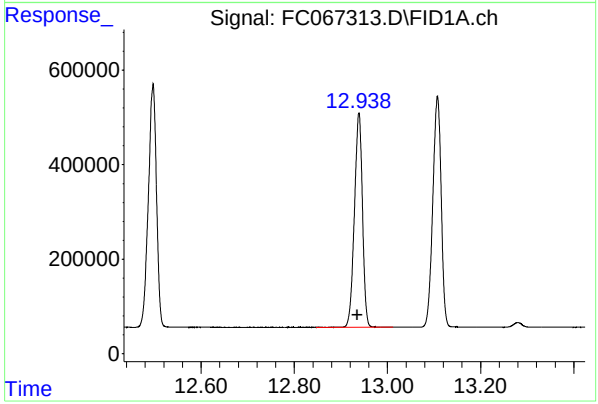
#10 n-Eicosane (C20)

R.T.: 12.497 min
Delta R.T.: 0.003 min
Response: 6235508
Conc: 49.27 ug/ml



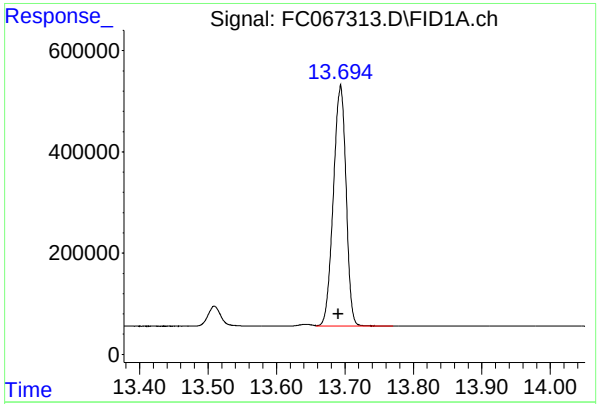
#11 n-Heneicosane (C21)

R.T.: 13.107 min
Delta R.T.: 0.003 min
Response: 6123952
Conc: 49.16 ug/ml



#12 1-chlorooctadecane (SURR)

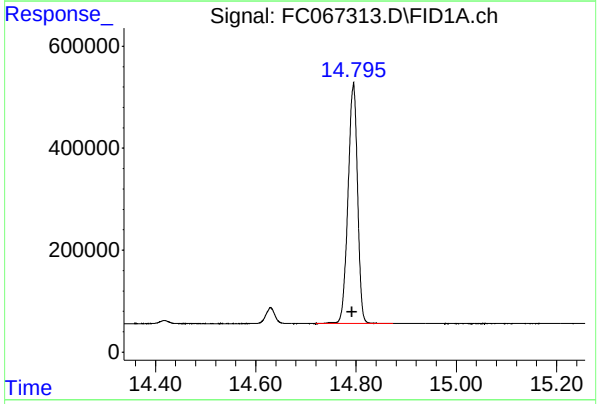
R.T.: 12.939 min
Delta R.T.: 0.003 min
Response: 5426500
Conc: 49.20 ug/ml



#13 n-Docosane (C22)

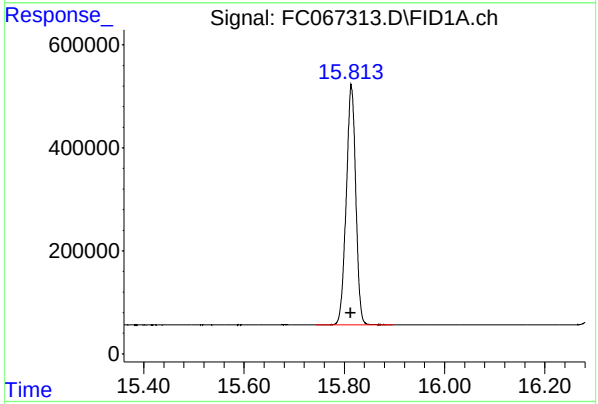
R.T.: 13.693 min
Delta R.T.: 0.003 min
Response: 6132673
Conc: 49.49 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



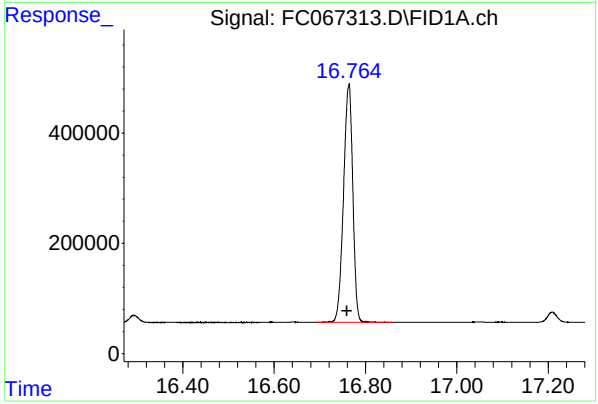
#14 n-Tetracosane (C24)

R.T.: 14.795 min
Delta R.T.: 0.003 min
Response: 6211203
Conc: 50.08 ug/ml



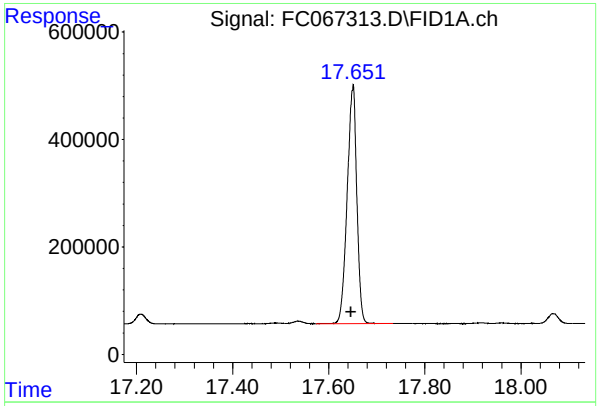
#15 n-Hexacosane (C26)

R.T.: 15.814 min
Delta R.T.: 0.002 min
Response: 6151165
Conc: 50.23 ug/ml



#16 n-Octacosane (C28)

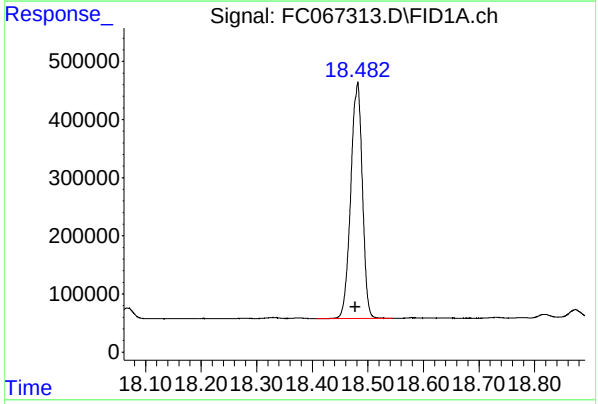
R.T.: 16.763 min
Delta R.T.: 0.004 min
Response: 6095338
Conc: 50.32 ug/ml



#17 n-Tricontane (C30)

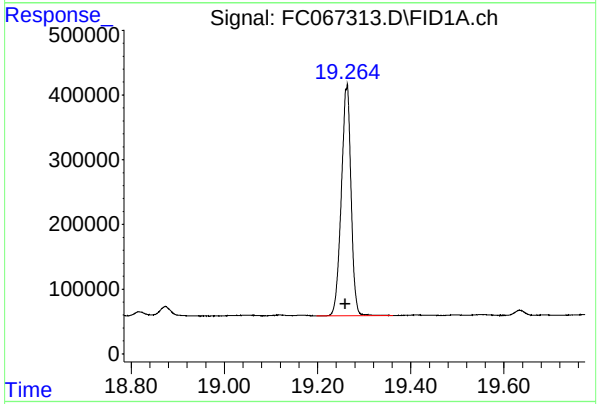
R.T.: 17.650 min
Delta R.T.: 0.004 min
Response: 6178045
Conc: 50.25 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



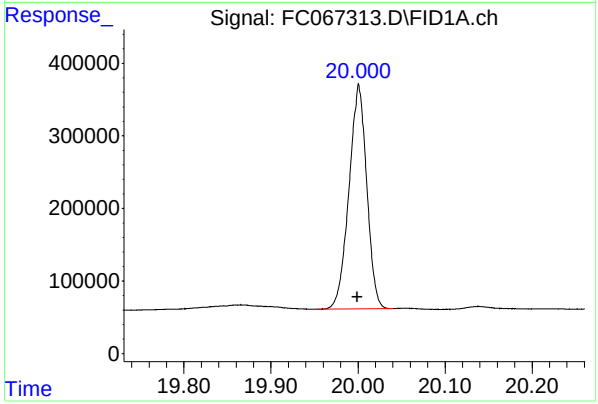
#18 n-Dotriacontane (C32)

R.T.: 18.481 min
Delta R.T.: 0.003 min
Response: 5889852
Conc: 49.76 ug/ml



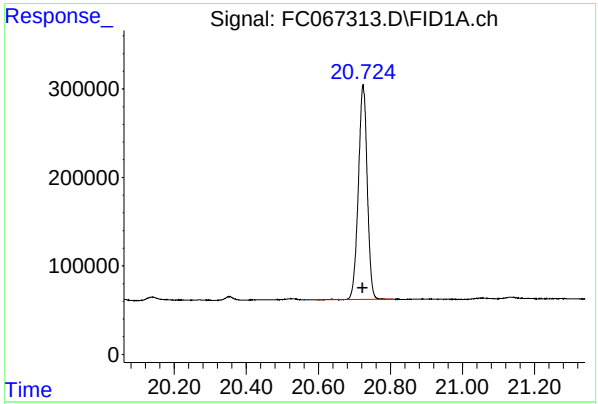
#19 n-Tetratriacontane (C34)

R.T.: 19.263 min
Delta R.T.: 0.003 min
Response: 5143313
Conc: 49.45 ug/ml



#20 n-Hexatriacontane (C36)

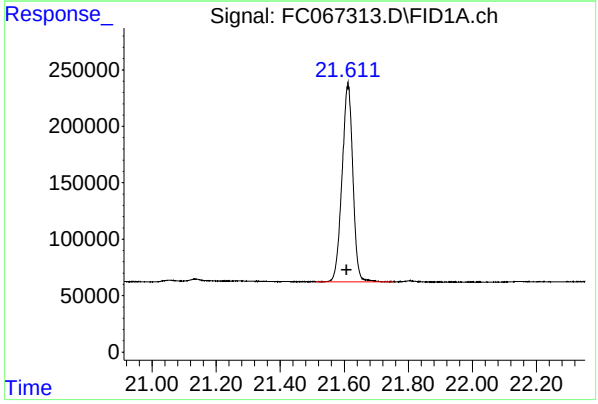
R.T.: 20.001 min
Delta R.T.: 0.002 min
Response: 4380994
Conc: 48.44 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.724 min
Delta R.T.: 0.001 min
Response: 4146667
Conc: 48.79 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.611 min
Delta R.T.: 0.004 min
Response: 4083374
Conc: 49.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067313.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:10
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.272	3.245	3.342	BB	711248	6059731	83.80%	4.644%
2	4.338	4.285	4.415	BB	654161	6163543	85.23%	4.723%
3	5.917	5.855	6.015	BB	727635	6821781	94.33%	5.227%
4	6.355	6.299	6.437	BB	629757	6245280	86.36%	4.786%
5	6.972	6.924	7.092	BV	663765	6641948	91.85%	5.090%
6	8.149	8.007	8.227	BB	582329	6219770	86.01%	4.766%
7	9.748	9.702	9.844	BB	565794	6422795	88.82%	4.922%
8	11.189	11.075	11.285	BB	532485	6493088	89.79%	4.976%
9	11.501	11.434	11.570	BB	661071	7231579	100.00%	5.542%
10	12.497	12.455	12.569	BB	514506	6235508	86.23%	4.778%
11	12.939	12.847	13.012	BB	454745	5426500	75.04%	4.158%
12	13.107	13.064	13.177	BB	490056	6123952	84.68%	4.693%
13	13.693	13.658	13.770	VB	476110	6132673	84.80%	4.699%
14	14.795	14.720	14.874	BB	473209	6211203	85.89%	4.760%
15	15.814	15.744	15.897	BB	466583	6151165	85.06%	4.714%
16	16.763	16.692	16.860	BB	430820	6095338	84.29%	4.671%
17	17.650	17.574	17.734	PB	438958	6178045	85.43%	4.734%
18	18.481	18.407	18.545	BV	399853	5889852	81.45%	4.513%
19	19.263	19.197	19.362	BB	356265	5143313	71.12%	3.941%
20	20.001	19.952	20.040	PV	308867	4380994	60.58%	3.357%
21	20.724	20.594	20.807	BB	242057	4146667	57.34%	3.178%
22	21.611	21.512	21.752	BB	176788	4083374	56.47%	3.129%
			Sum of corrected areas:			130498098		

Aliphatic EPH 100224.M Tue Oct 01 09:20:55 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067314.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:48
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

A B C D E F

Integration File: autoint1.e
Quant Time: Oct 01 09:08:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.497	3089013	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12) S	1-chlorooctadecane (S...	12.936	2301706	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	n-Nonane (C9)	3.271	2561935	20.000 ug/ml
2) T	n-Decane (C10)	4.337	2606750	20.000 ug/ml
3) T	A~Naphthalene (C11.7)	5.915	2878074	20.000 ug/ml
4) T	n-Dodecane (C12)	6.353	2627937	20.000 ug/ml
5) T	A~2-methylnaphthalene...	6.970	2792361	20.000 ug/ml
6) T	n-Tetradecane (C14)	8.146	2616449	20.000 ug/ml
7) T	n-Hexadecane (C16)	9.745	2703190	20.000 ug/ml
8) T	n-Octadecane (C18)	11.186	2753269	20.000 ug/ml
10) T	n-Eicosane (C20)	12.493	2645737	20.000 ug/ml
11) T	n-Heneicosane (C21)	13.105	2606321	20.000 ug/ml
13) T	n-Docosane (C22)	13.690	2582773	20.000 ug/ml
14) T	n-Tetracosane (C24)	14.792	2574621	20.000 ug/ml
15) T	n-Hexacosane (C26)	15.813	2538087	20.000 ug/ml
16) T	n-Octacosane (C28)	16.760	2519727	20.000 ug/ml
17) T	n-Tricontane (C30)	17.646	2574944	20.000 ug/ml
18) T	n-Dotriacontane (C32)	18.478	2497831	20.000 ug/ml
19) T	n-Tetratriacontane (C34)	19.260	2193263	20.000 ug/ml
20) T	n-Hexatriacontane (C36)	19.999	1907034	20.000 ug/ml
21) T	n-Octatriacontane (C38)	20.723	1770855	20.000 ug/ml
22) T	n-Tetracontane (C40)	21.608	1730957	20.000 ug/ml

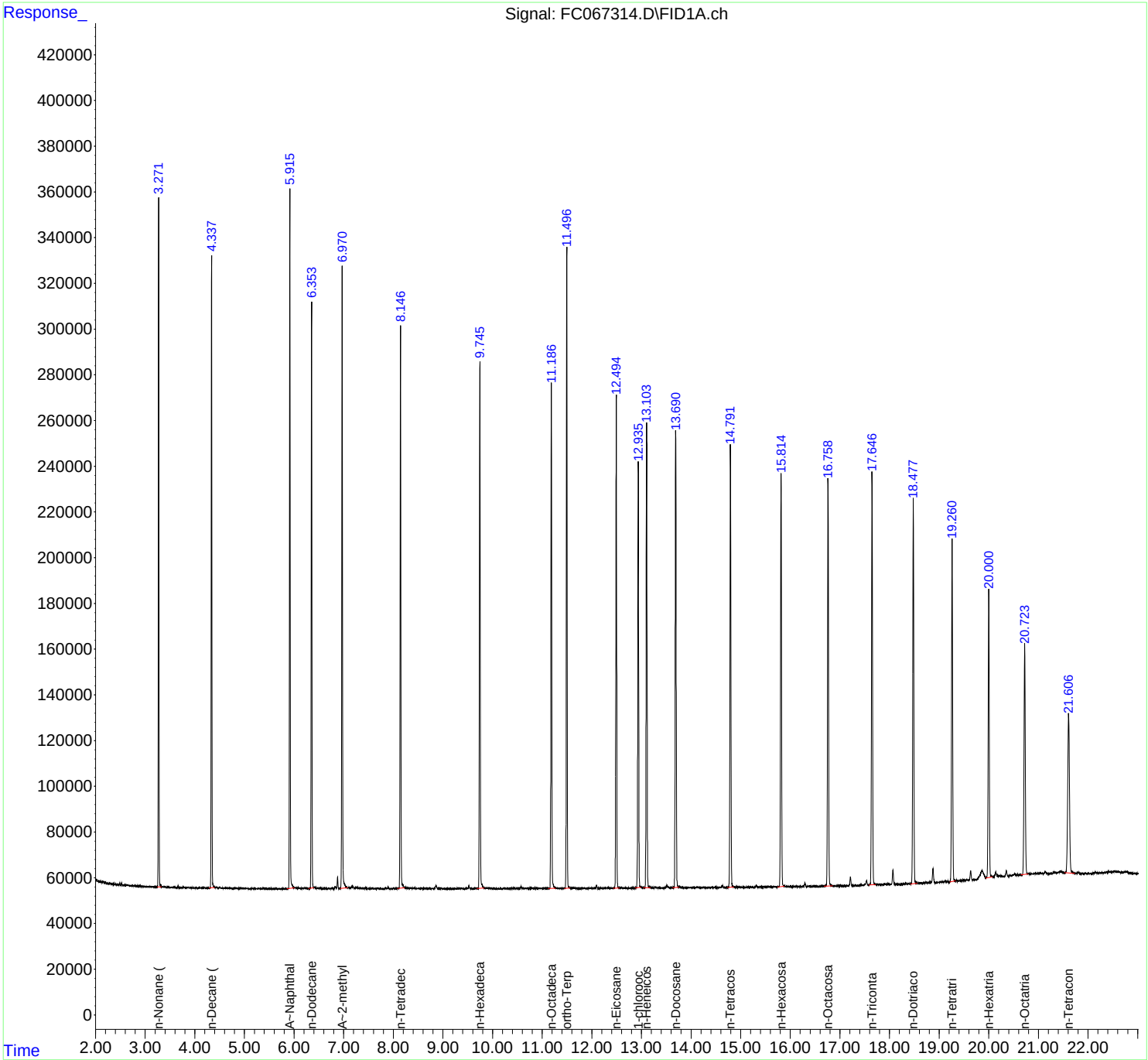
(f)=RT Delta > 1/2 Window (m)=manual int.

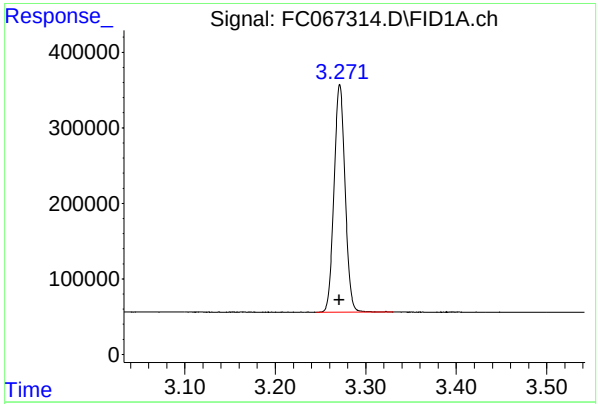
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067314.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:48
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 01 09:08:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

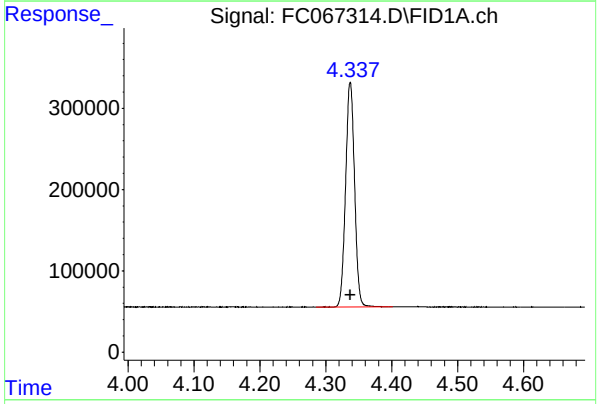




#1 n-Nonane (C9)

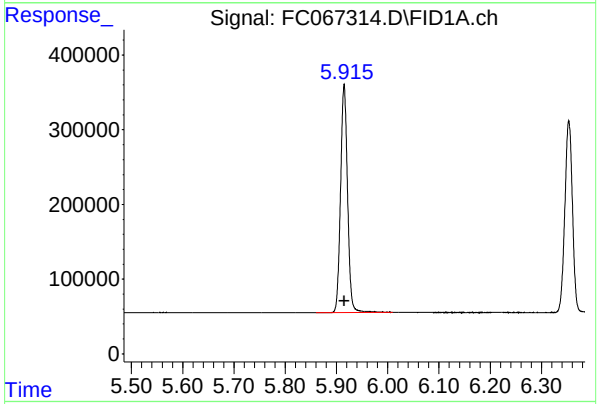
R.T.: 3.271 min
Delta R.T.: 0.000 min
Response: 2561935
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



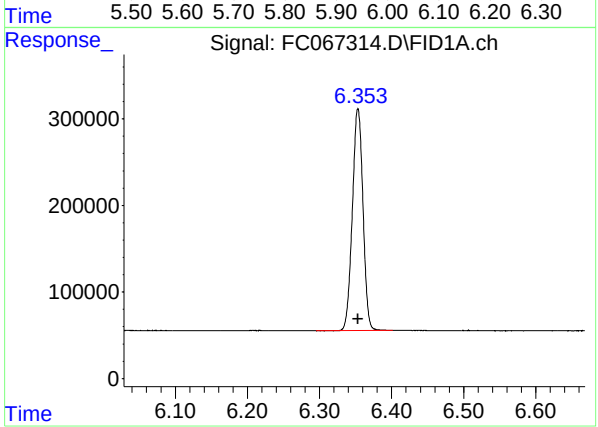
#2 n-Decane (C10)

R.T.: 4.337 min
Delta R.T.: 0.000 min
Response: 2606750
Conc: 20.00 ug/ml



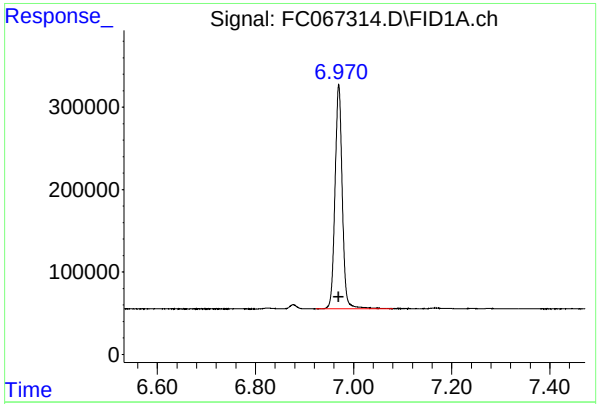
#3 A~Naphthalene (C11.7)

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 2878074
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

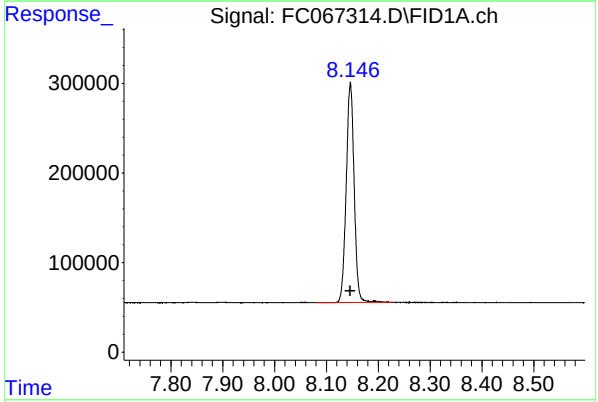
R.T.: 6.353 min
Delta R.T.: 0.000 min
Response: 2627937
Conc: 20.00 ug/ml



#5 A~2-methylnaphthalene (C12.89)

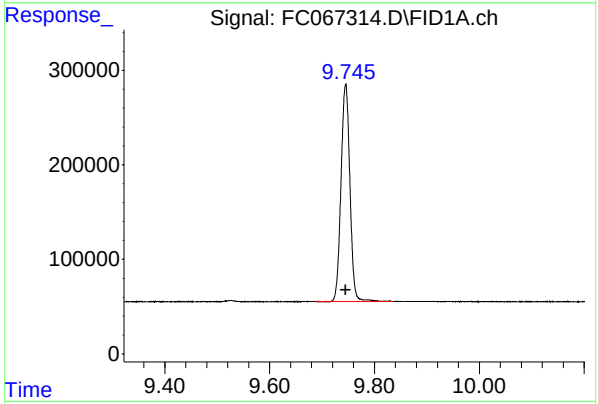
R.T.: 6.970 min
Delta R.T.: 0.000 min
Response: 2792361
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



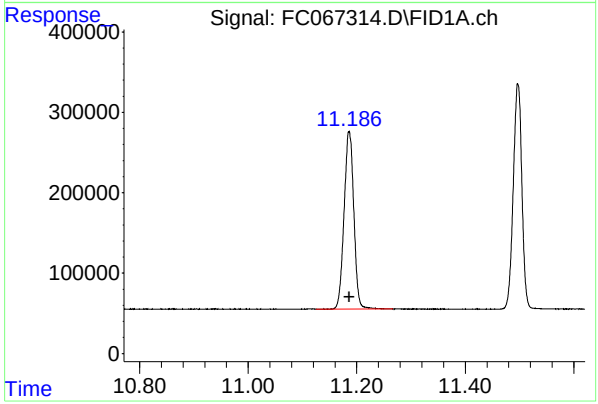
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 2616449
Conc: 20.00 ug/ml



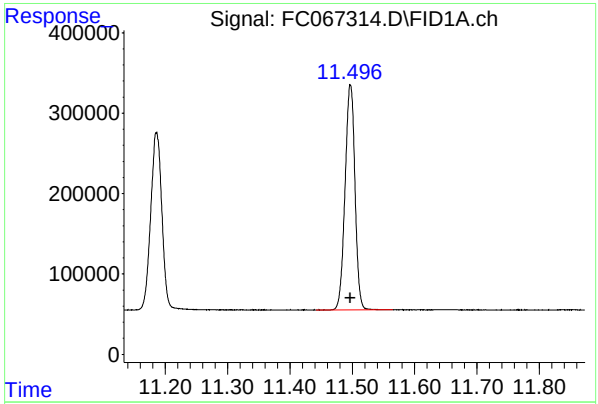
#7 n-Hexadecane (C16)

R.T.: 9.745 min
Delta R.T.: 0.000 min
Response: 2703190
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

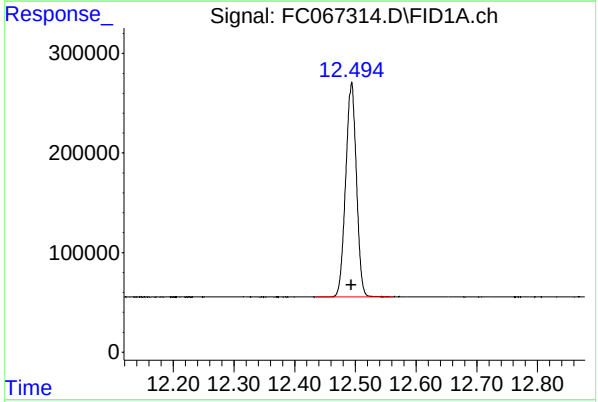
R.T.: 11.186 min
Delta R.T.: 0.000 min
Response: 2753269
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

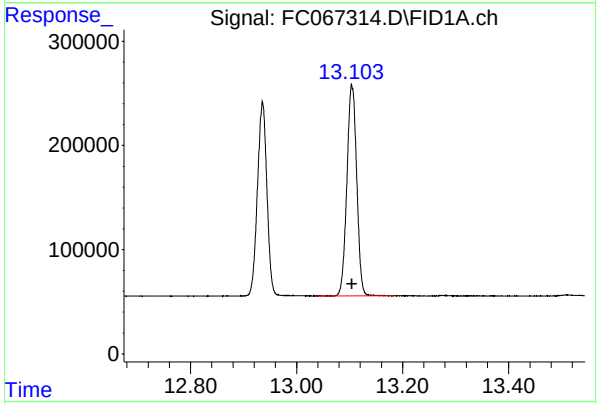
R.T.: 11.497 min
Delta R.T.: 0.000 min
Response: 3089013
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



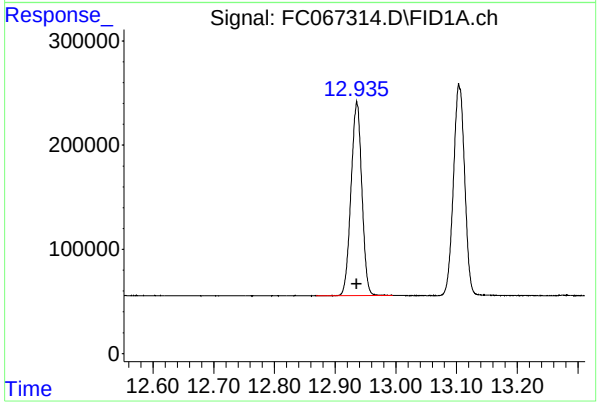
#10 n-Eicosane (C20)

R.T.: 12.493 min
Delta R.T.: 0.000 min
Response: 2645737
Conc: 20.00 ug/ml



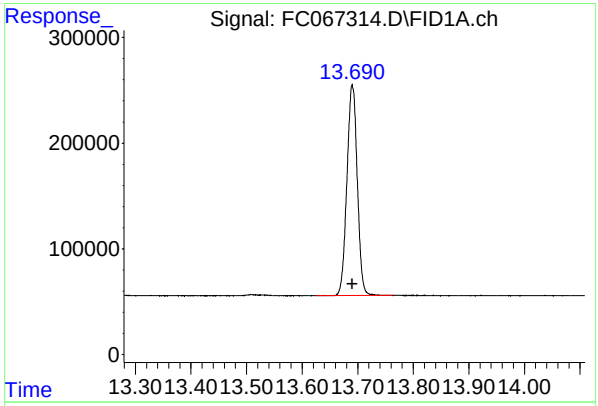
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: 0.000 min
Response: 2606321
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

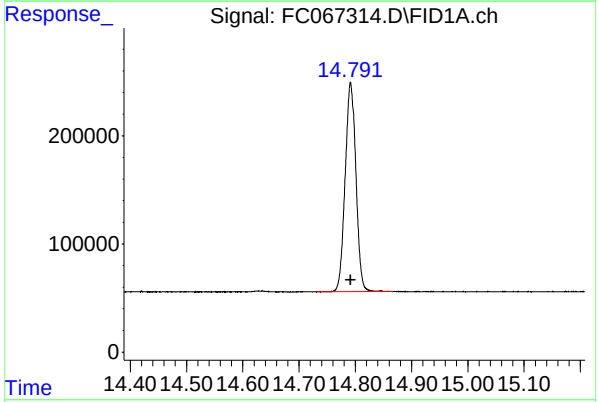
R.T.: 12.936 min
Delta R.T.: 0.000 min
Response: 2301706
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

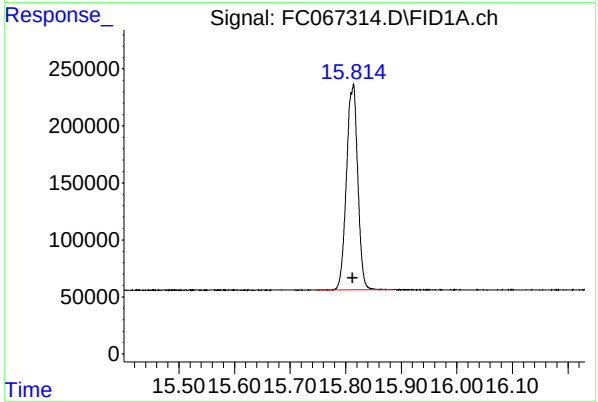
R.T.: 13.690 min
Delta R.T.: 0.000 min
Response: 2582773
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



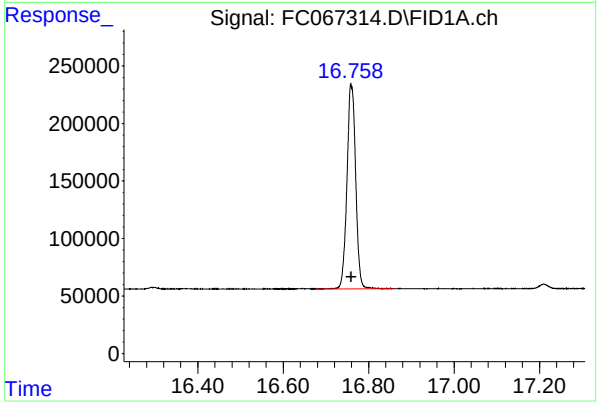
#14 n-Tetracosane (C24)

R.T.: 14.792 min
Delta R.T.: 0.000 min
Response: 2574621
Conc: 20.00 ug/ml



#15 n-Hexacosane (C26)

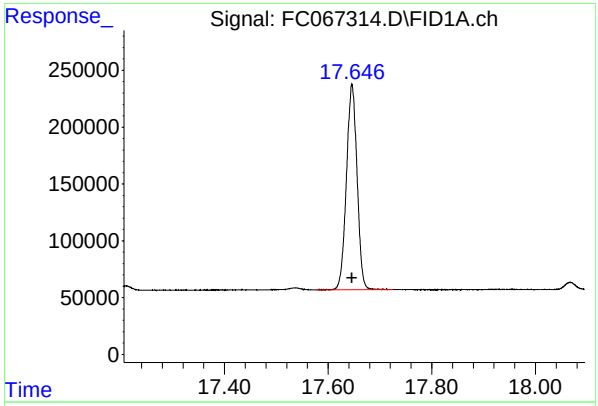
R.T.: 15.813 min
Delta R.T.: 0.000 min
Response: 2538087
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.760 min
Delta R.T.: 0.000 min
Response: 2519727
Conc: 20.00 ug/ml

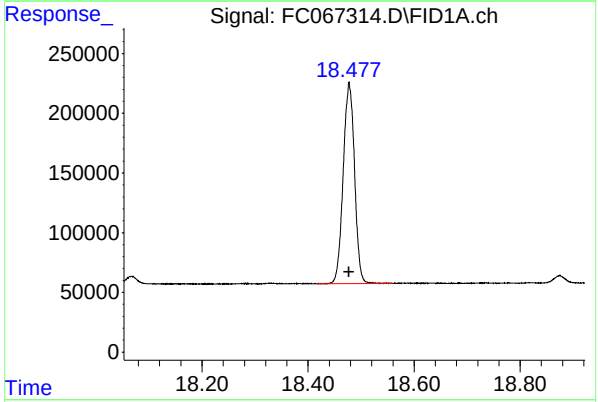
A
B
C
D
E
F



#17 n-Tricontane (C30)

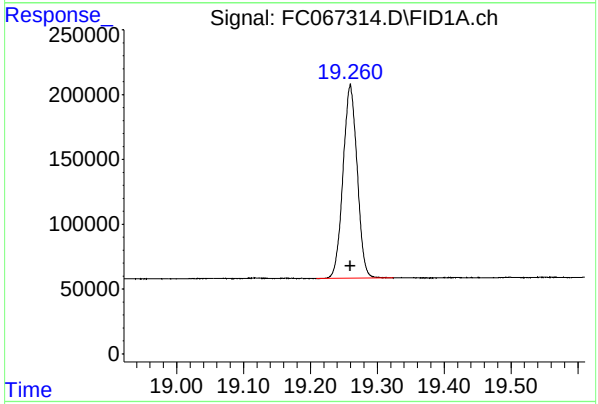
R.T.: 17.646 min
Delta R.T.: 0.000 min
Response: 2574944
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



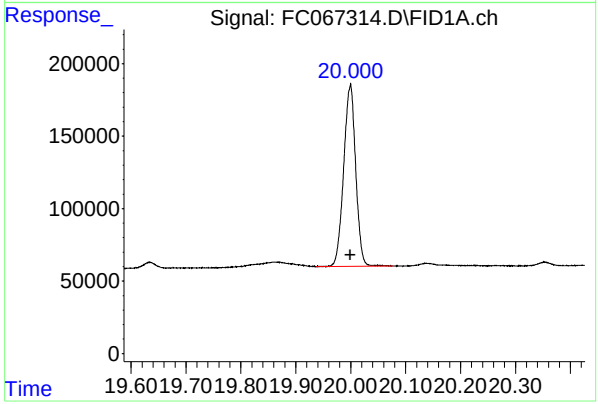
#18 n-Dotriacontane (C32)

R.T.: 18.478 min
Delta R.T.: 0.000 min
Response: 2497831
Conc: 20.00 ug/ml



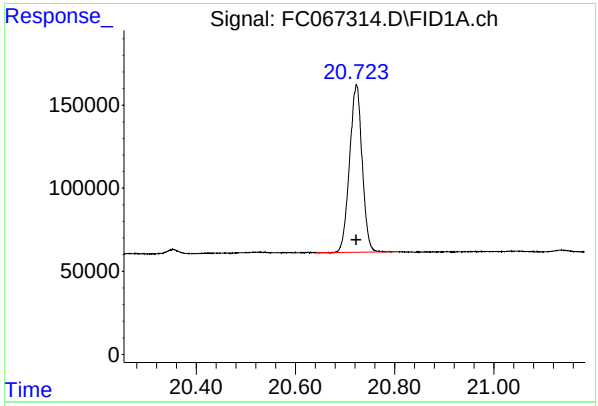
#19 n-Tetratriacontane (C34)

R.T.: 19.260 min
Delta R.T.: 0.000 min
Response: 2193263
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

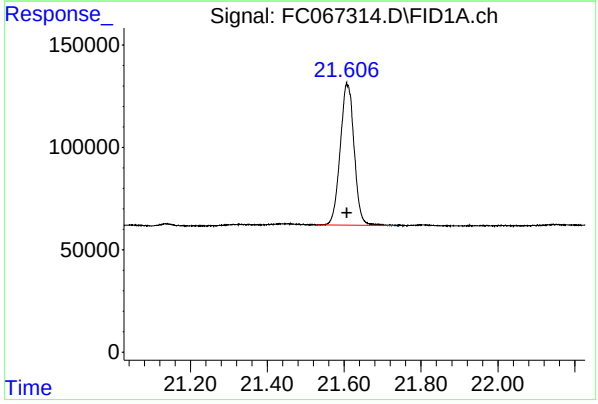
R.T.: 19.999 min
Delta R.T.: 0.000 min
Response: 1907034
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.723 min
Delta R.T.: 0.000 mi
Response: 1770855
Conc: 20.00 ug/m

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.608 min
Delta R.T.: 0.000 min
Response: 1730957
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067314.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:48
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.271	3.245	3.330	BB	301355	2561935	82.94%	4.652%
2	4.337	4.285	4.402	BB	276151	2606750	84.39%	4.733%
3	5.915	5.860	6.010	BB	306302	2878074	93.17%	5.226%
4	6.353	6.295	6.402	BB	256127	2627937	85.07%	4.772%
5	6.970	6.923	7.080	BB	272068	2792361	90.40%	5.070%
6	8.146	8.080	8.228	BB	246166	2616449	84.70%	4.751%
7	9.745	9.688	9.835	BB	229678	2703190	87.51%	4.908%
8	11.186	11.125	11.267	BB	220672	2753269	89.13%	4.999%
9	11.497	11.442	11.565	BB	280480	3089013	100.00%	5.609%
10	12.493	12.435	12.562	BB	214435	2645737	85.65%	4.804%
11	12.936	12.868	12.995	BB	185389	2301706	74.51%	4.179%
12	13.105	13.037	13.182	BB	199408	2606321	84.37%	4.732%
13	13.690	13.625	13.763	BB	199133	2582773	83.61%	4.690%
14	14.792	14.730	14.867	BB	192816	2574621	83.35%	4.675%
15	15.813	15.747	15.885	BB	175714	2538087	82.16%	4.609%
16	16.760	16.677	16.857	BB	174965	2519727	81.57%	4.575%
17	17.646	17.577	17.725	BB	180572	2574944	83.36%	4.676%
18	18.478	18.415	18.560	BB	168215	2497831	80.86%	4.536%
19	19.260	19.208	19.323	BB	149736	2193263	71.00%	3.982%
20	19.999	19.937	20.077	VB	124156	1907034	61.74%	3.463%
21	20.723	20.642	20.797	BB	100926	1770855	57.33%	3.215%
22	21.608	21.527	21.727	BB	68950	1730957	56.04%	3.143%
			Sum of corrected areas:			55072832		

Aliphatic EPH 100224.M Tue Oct 01 09:21:20 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067315.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 12:47
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

A B C D E F

Integration File: autoint1.e
Quant Time: Oct 01 09:11:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.496	1571986	10.733 ug/ml
Spiked Amount	50.000		Recovery =	21.47%
12) S	1-chlorooctadecane (S...	12.936	1173605	10.698 ug/ml
Spiked Amount	50.000		Recovery =	21.40%
	Target Compounds			
1) T	n-Nonane (C9)	3.270	1286606	10.491 ug/ml
2) T	n-Decane (C10)	4.336	1306831	10.474 ug/ml
3) T	A~Naphthalene (C11.7)	5.915	1437407	10.417 ug/ml
4) T	n-Dodecane (C12)	6.353	1318883	10.451 ug/ml
5) T	A~2-methylnaphthalene...	6.970	1392618	10.375 ug/ml
6) T	n-Tetradecane (C14)	8.146	1308417	10.411 ug/ml
7) T	n-Hexadecane (C16)	9.745	1367829	10.562 ug/ml
8) T	n-Octadecane (C18)	11.185	1404957	10.718 ug/ml
10) T	n-Eicosane (C20)	12.493	1359651	10.795 ug/ml
11) T	n-Heneicosane (C21)	13.104	1336214	10.787 ug/ml
13) T	n-Docosane (C22)	13.689	1324859	10.728 ug/ml
14) T	n-Tetracosane (C24)	14.791	1318090	10.622 ug/ml
15) T	n-Hexacosane (C26)	15.811	1292438	10.537 ug/ml
16) T	n-Octacosane (C28)	16.761	1284086	10.578 ug/ml
17) T	n-Tricontane (C30)	17.647	1321139	10.727 ug/ml
18) T	n-Dotriacontane (C32)	18.478	1282377	10.851 ug/ml
19) T	n-Tetratriacontane (C34)	19.261	1119659	10.805 ug/ml
20) T	n-Hexatriacontane (C36)	20.000	974156	10.885 ug/ml
21) T	n-Octatriacontane (C38)	20.724	893961	10.604 ug/ml
22) T	n-Tetracontane (C40)	21.611	848887	10.298 ug/ml

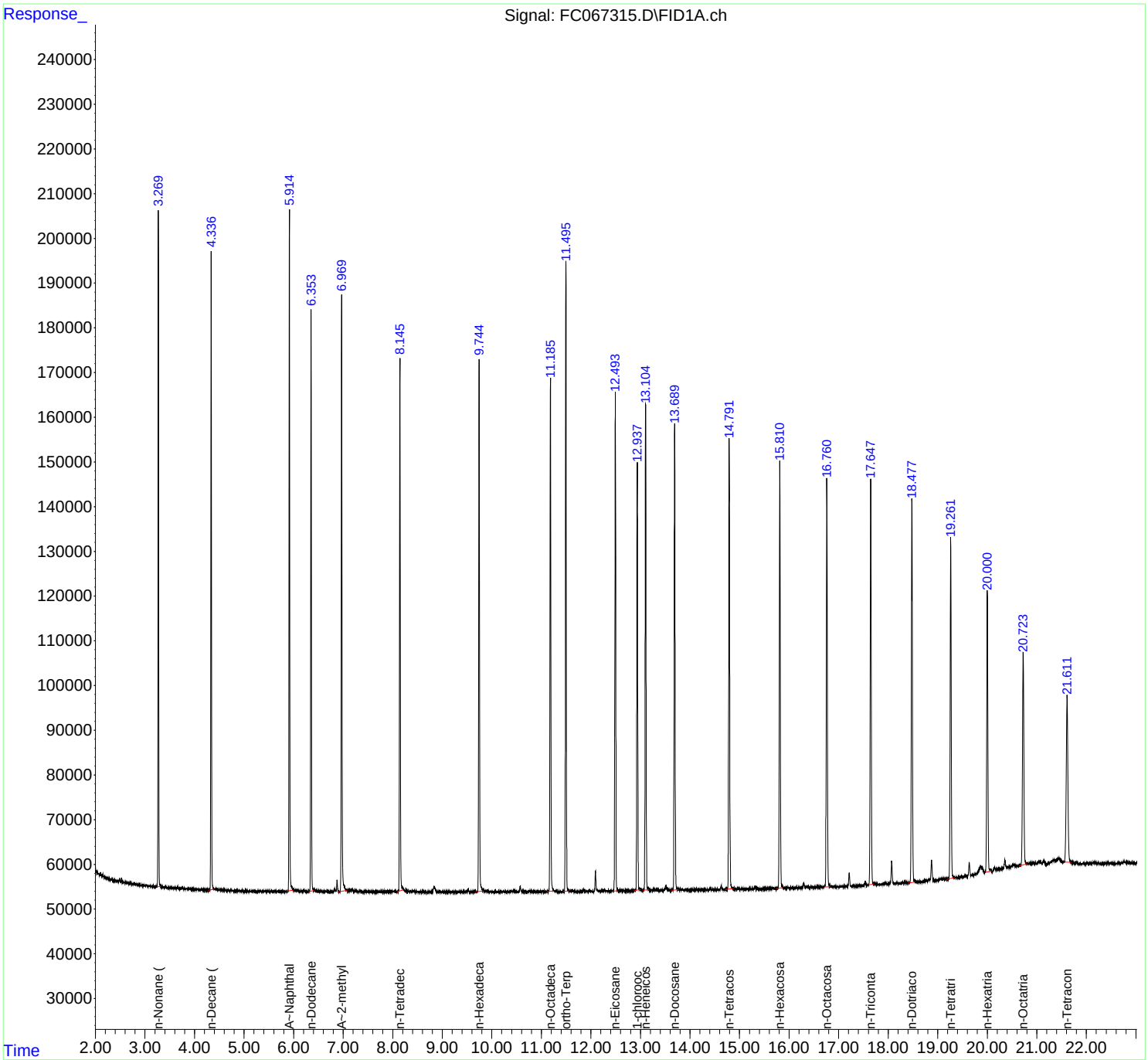
(f)=RT Delta > 1/2 Window (m)=manual int.

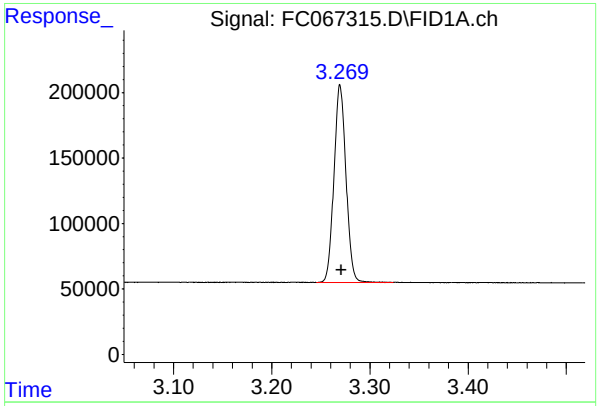
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067315.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 12:47
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 01 09:11:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

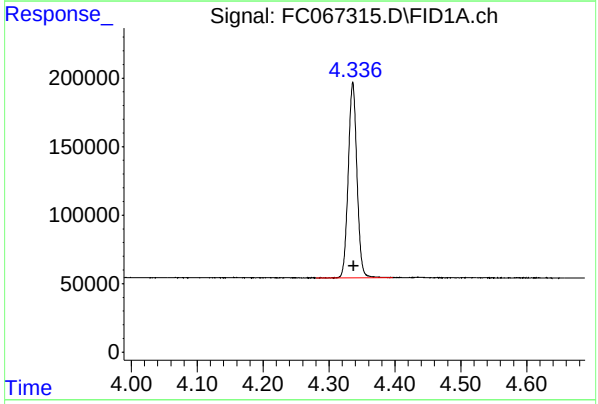




#1 n-Nonane (C9)

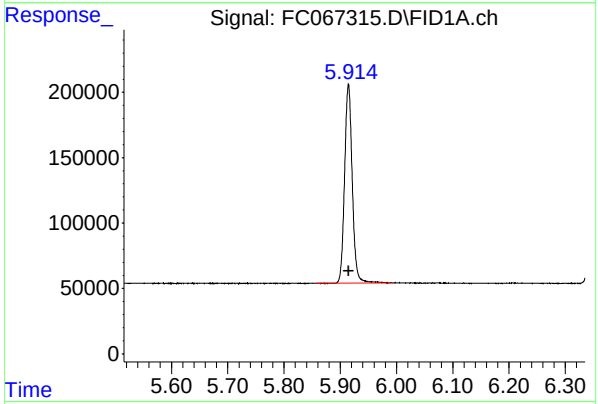
R.T.: 3.270 min
Delta R.T.: -0.001 min
Response: 1286606
Conc: 10.49 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



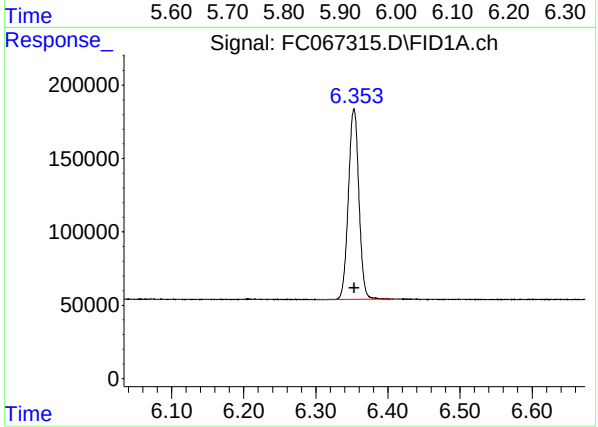
#2 n-Decane (C10)

R.T.: 4.336 min
Delta R.T.: -0.001 min
Response: 1306831
Conc: 10.47 ug/ml



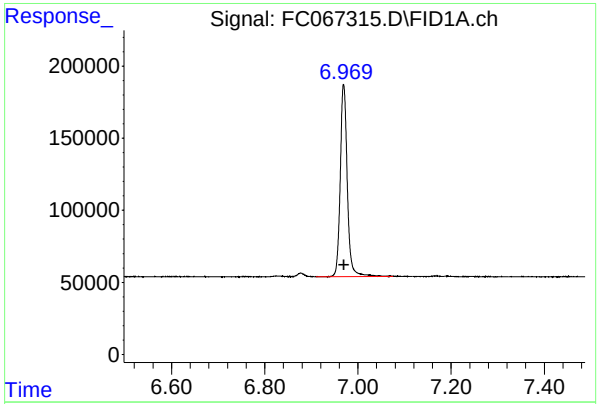
#3 A~Naphthalene (C11.7)

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 1437407
Conc: 10.42 ug/ml



#4 n-Dodecane (C12)

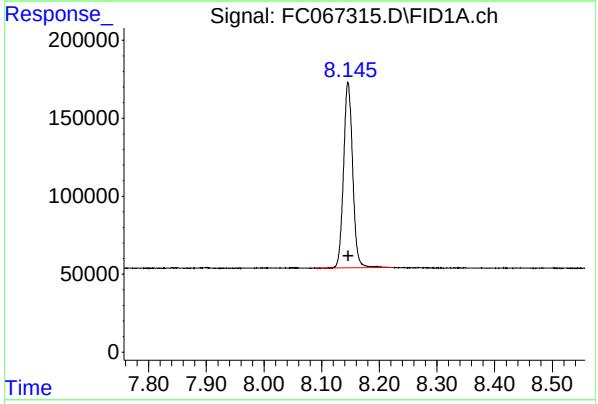
R.T.: 6.353 min
Delta R.T.: 0.000 min
Response: 1318883
Conc: 10.45 ug/ml



#5 A~2-methylnaphthalene (C12.89)

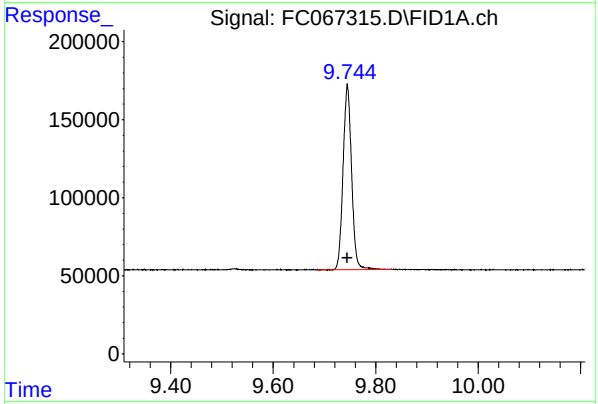
R.T.: 6.970 min
Delta R.T.: 0.000 min
Response: 1392618
Conc: 10.37 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



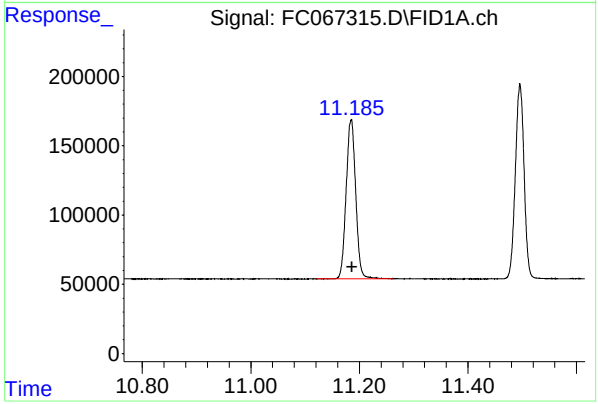
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 1308417
Conc: 10.41 ug/ml



#7 n-Hexadecane (C16)

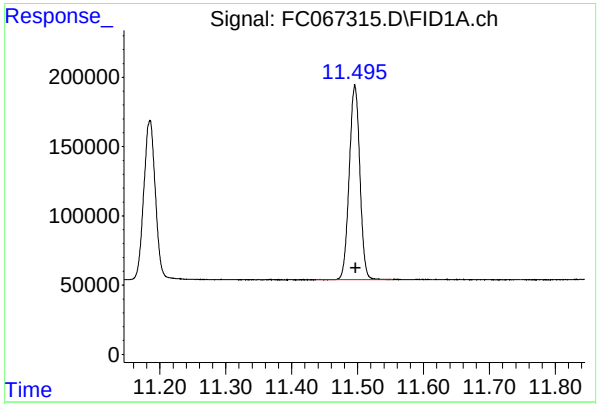
R.T.: 9.745 min
Delta R.T.: 0.000 min
Response: 1367829
Conc: 10.56 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.185 min
Delta R.T.: -0.001 min
Response: 1404957
Conc: 10.72 ug/ml

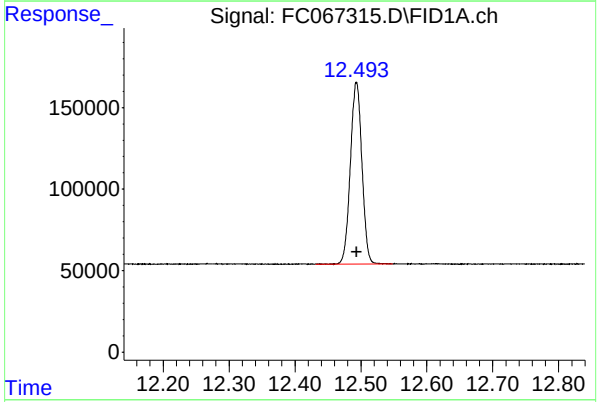
A
B
C
D
E
F



#9 ortho-Terphenyl (SURR)

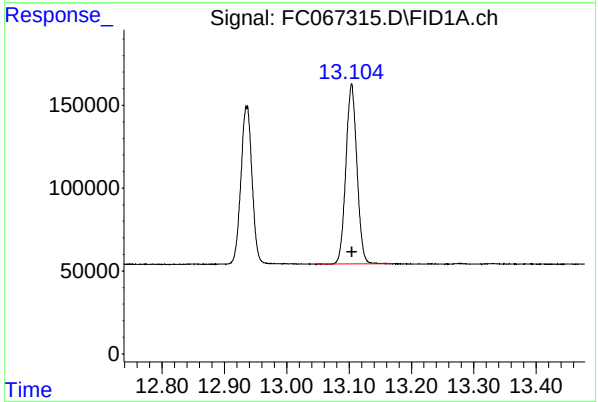
R.T.: 11.496 min
Delta R.T.: -0.001 min
Response: 1571986
Conc: 10.73 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



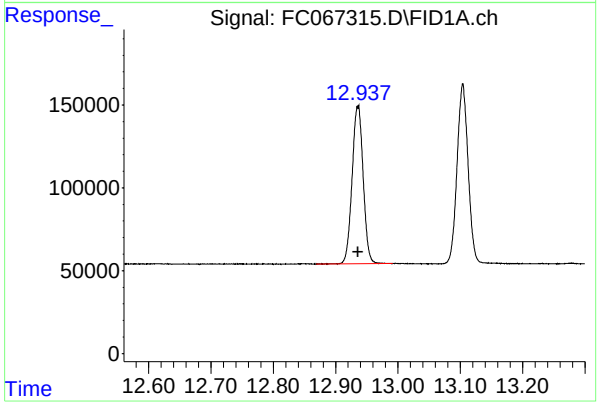
#10 n-Eicosane (C20)

R.T.: 12.493 min
Delta R.T.: 0.000 min
Response: 1359651
Conc: 10.80 ug/ml



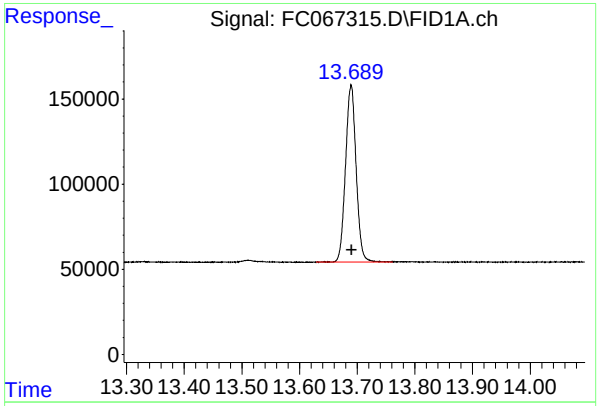
#11 n-Heneicosane (C21)

R.T.: 13.104 min
Delta R.T.: 0.000 min
Response: 1336214
Conc: 10.79 ug/ml



#12 1-chlorooctadecane (SURR)

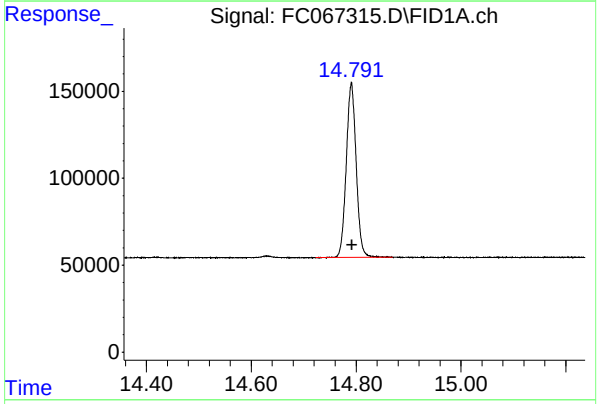
R.T.: 12.936 min
Delta R.T.: 0.000 min
Response: 1173605
Conc: 10.70 ug/ml



#13 n-Docosane (C22)

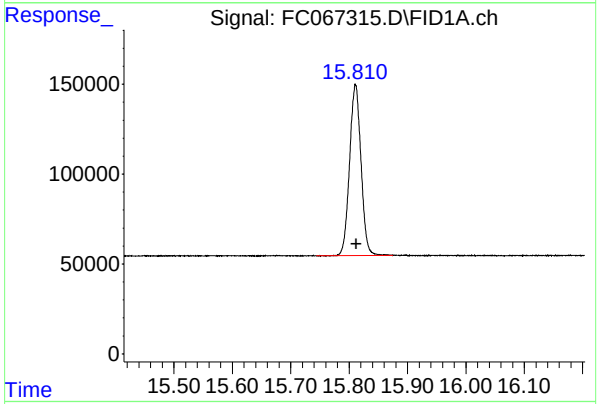
R.T.: 13.689 min
Delta R.T.: -0.001 min
Response: 1324859
Conc: 10.73 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



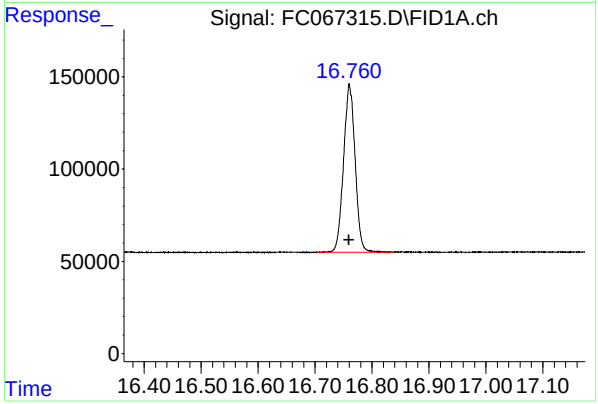
#14 n-Tetracosane (C24)

R.T.: 14.791 min
Delta R.T.: 0.000 min
Response: 1318090
Conc: 10.62 ug/ml



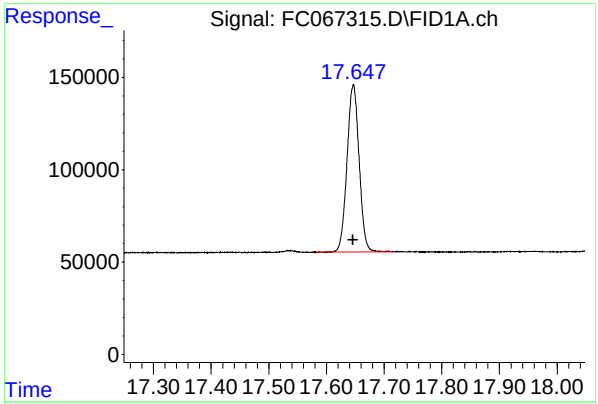
#15 n-Hexacosane (C26)

R.T.: 15.811 min
Delta R.T.: -0.002 min
Response: 1292438
Conc: 10.54 ug/ml



#16 n-Octacosane (C28)

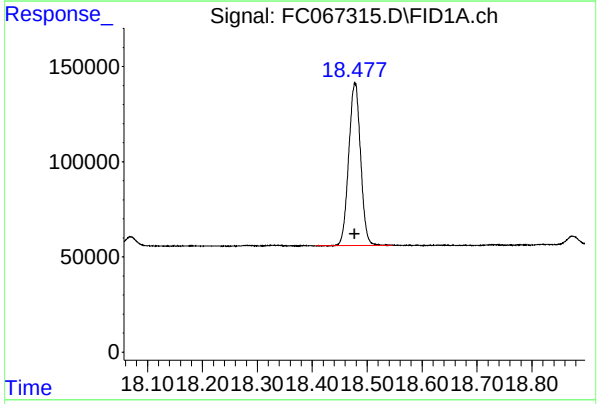
R.T.: 16.761 min
Delta R.T.: 0.000 min
Response: 1284086
Conc: 10.58 ug/ml



#17 n-Tricontane (C30)

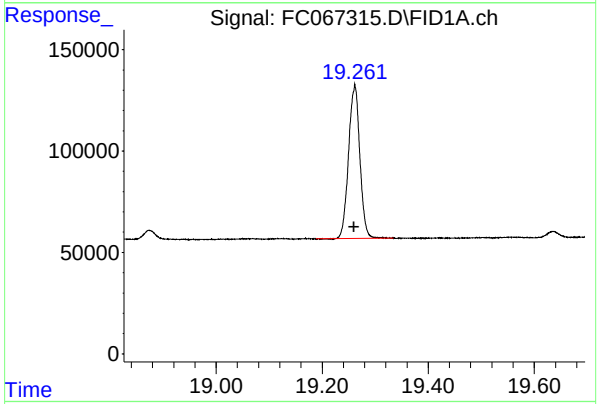
R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 1321139
Conc: 10.73 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



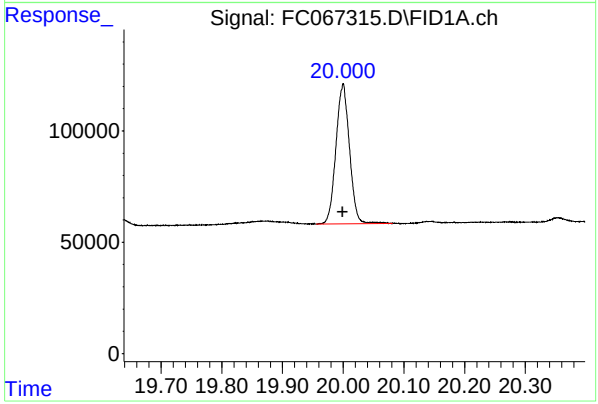
#18 n-Dotriacontane (C32)

R.T.: 18.478 min
Delta R.T.: 0.000 min
Response: 1282377
Conc: 10.85 ug/ml



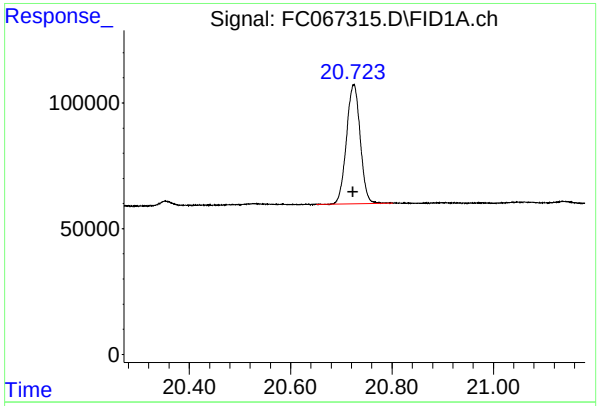
#19 n-Tetratriacontane (C34)

R.T.: 19.261 min
Delta R.T.: 0.002 min
Response: 1119659
Conc: 10.81 ug/ml



#20 n-Hexatriacontane (C36)

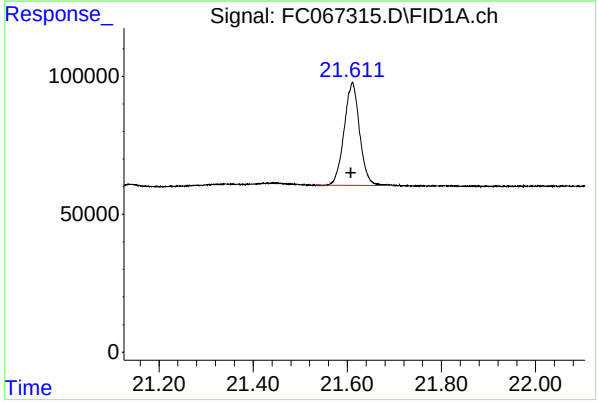
R.T.: 20.000 min
Delta R.T.: 0.000 min
Response: 974156
Conc: 10.88 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.724 min
Delta R.T.: 0.001 min
Response: 893961
Conc: 10.60 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.611 min
Delta R.T.: 0.003 min
Response: 848887
Conc: 10.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067315.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 12:47
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.270	3.245	3.324	BB	149654	1286606	81.85%	4.607%
2	4.336	4.280	4.397	BB	143345	1306831	83.13%	4.680%
3	5.915	5.857	5.994	BB	152594	1437407	91.44%	5.147%
4	6.353	6.300	6.407	BB	129992	1318883	83.90%	4.723%
5	6.970	6.910	7.075	BB	132847	1392618	88.59%	4.987%
6	8.146	8.090	8.224	BB	118854	1308417	83.23%	4.686%
7	9.745	9.684	9.834	BB	118309	1367829	87.01%	4.898%
8	11.185	11.120	11.262	BB	115074	1404957	89.37%	5.031%
9	11.496	11.437	11.554	BB	139977	1571986	100.00%	5.629%
10	12.493	12.432	12.549	BB	111570	1359651	86.49%	4.869%
11	12.936	12.869	12.992	BB	94987	1173605	74.66%	4.203%
12	13.104	13.047	13.170	BB	108646	1336214	85.00%	4.785%
13	13.689	13.629	13.762	BB	103488	1324859	84.28%	4.744%
14	14.791	14.724	14.870	BB	99895	1318090	83.85%	4.720%
15	15.811	15.744	15.875	BB	95486	1292438	82.22%	4.628%
16	16.761	16.702	16.837	BB	90915	1284086	81.69%	4.598%
17	17.647	17.582	17.715	BB	90874	1321139	84.04%	4.731%
18	18.478	18.407	18.547	BB	85034	1282377	81.58%	4.592%
19	19.261	19.189	19.334	BB	76227	1119659	71.23%	4.010%
20	20.000	19.955	20.082	BB	63358	974156	61.97%	3.489%
21	20.724	20.650	20.802	BB	47317	893961	56.87%	3.201%
22	21.611	21.534	21.697	BB	37257	848887	54.00%	3.040%
			Sum of corrected areas:			27924656		

Aliphatic EPH 100224.M Tue Oct 01 09:21:38 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067316.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 13:35
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

A B C D E F

Integration File: autoint1.e
Quant Time: Oct 01 09:12:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.496	821094	5.505 ug/ml
Spiked Amount	50.000		Recovery =	11.01%
12) S	1-chlorooctadecane (S...	12.936	597484	5.353 ug/ml
Spiked Amount	50.000		Recovery =	10.71%
	Target Compounds			
1) T	n-Nonane (C9)	3.271	686146	5.527 ug/ml
2) T	n-Decane (C10)	4.336	688670	5.455 ug/ml
3) T	A~Naphthalene (C11.7)	5.915	757843	5.435 ug/ml
4) T	n-Dodecane (C12)	6.352	691712	5.420 ug/ml
5) T	A~2-methylnaphthalene...	6.970	719915	5.313 ug/ml
6) T	n-Tetradecane (C14)	8.146	680596	5.360 ug/ml
7) T	n-Hexadecane (C16)	9.745	701420	5.341 ug/ml
8) T	n-Octadecane (C18)	11.185	721326	5.406 ug/ml
10) T	n-Eicosane (C20)	12.493	695208	5.412 ug/ml
11) T	n-Heneicosane (C21)	13.105	680195	5.385 ug/ml
13) T	n-Docosane (C22)	13.690	677301	5.386 ug/ml
14) T	n-Tetracosane (C24)	14.792	676857	5.371 ug/ml
15) T	n-Hexacosane (C26)	15.811	666097	5.359 ug/ml
16) T	n-Octacosane (C28)	16.759	677736	5.503 ug/ml
17) T	n-Tricontane (C30)	17.647	712654	5.683 ug/ml
18) T	n-Dotriacontane (C32)	18.478	709265	5.876 ug/ml
19) T	n-Tetratriacontane (C34)	19.260	617762	5.844 ug/ml
20) T	n-Hexatriacontane (C36)	20.000	533422	5.831 ug/ml
21) T	n-Octatriacontane (C38)	20.724	480941	5.620 ug/ml
22) T	n-Tetracontane (C40)	21.612	490214	5.903 ug/ml

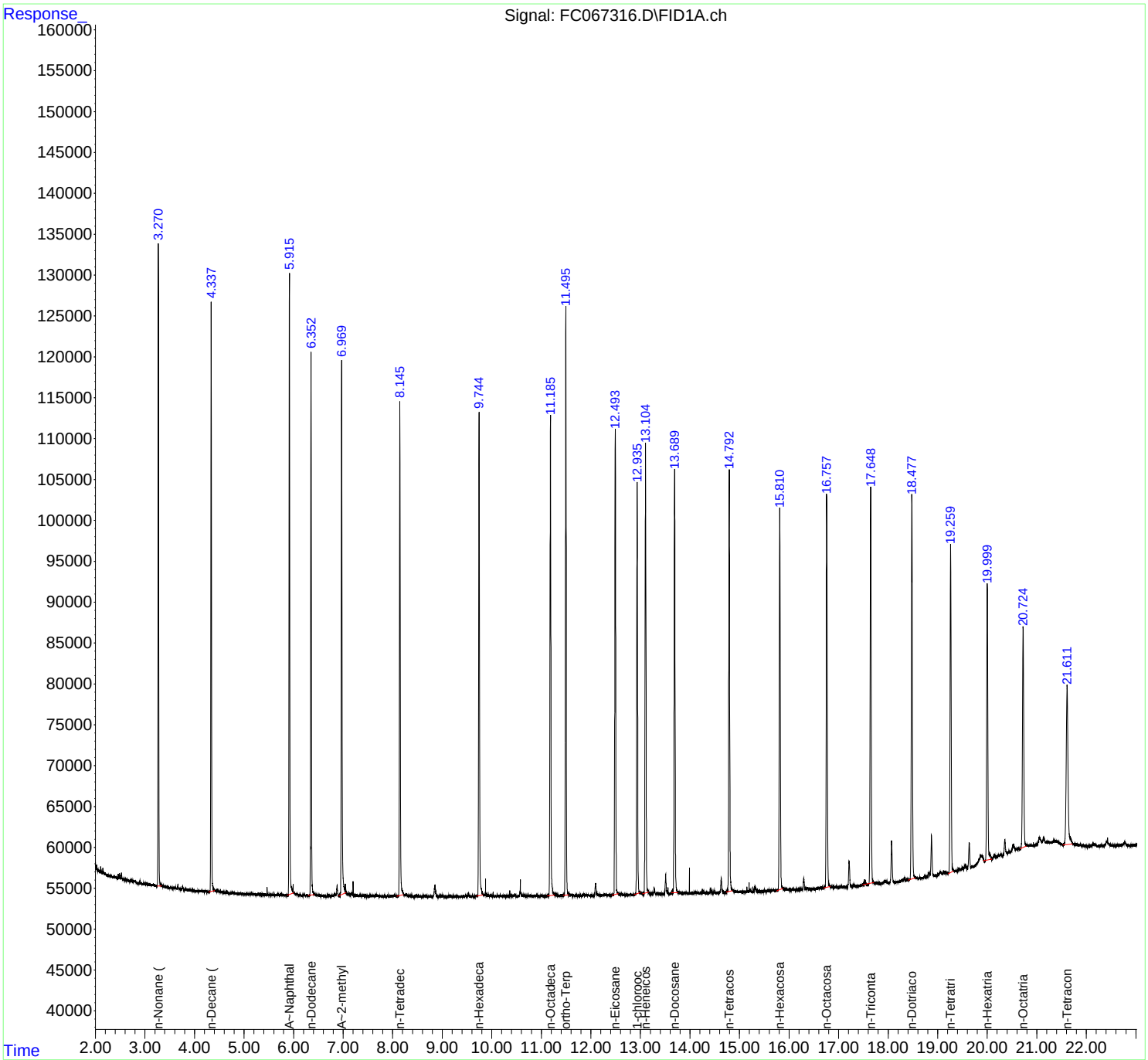
(f)=RT Delta > 1/2 Window (m)=manual int.

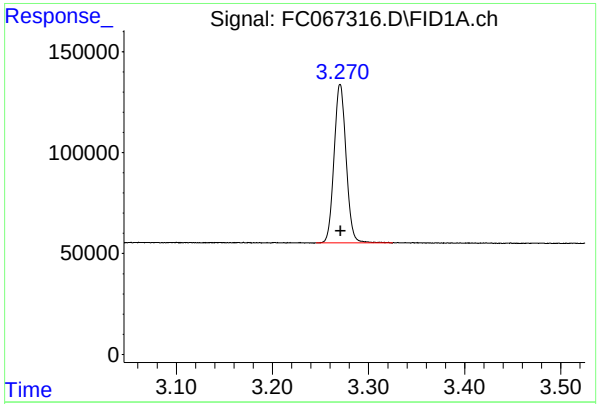
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067316.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 13:35
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 01 09:12:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

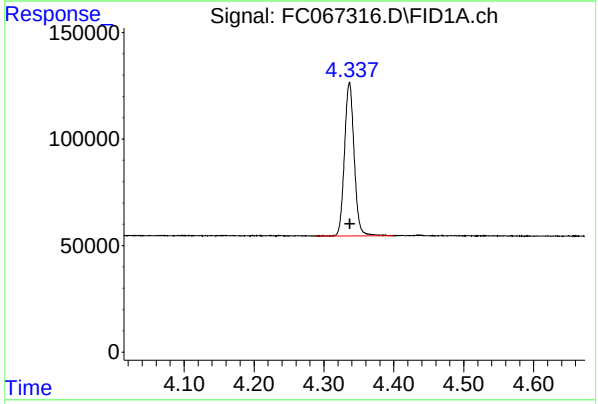




#1 n-Nonane (C9)

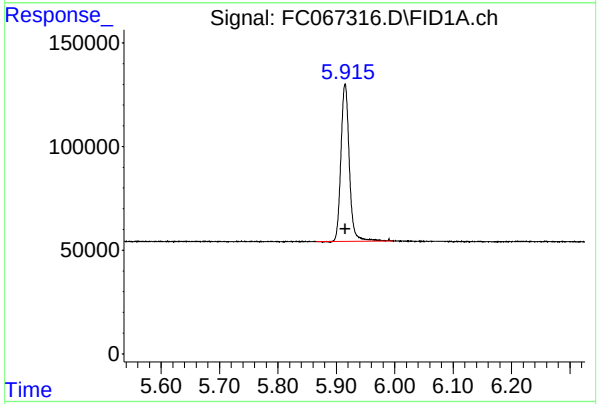
R.T.: 3.271 min
Delta R.T.: 0.000 min
Response: 686146
Conc: 5.53 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



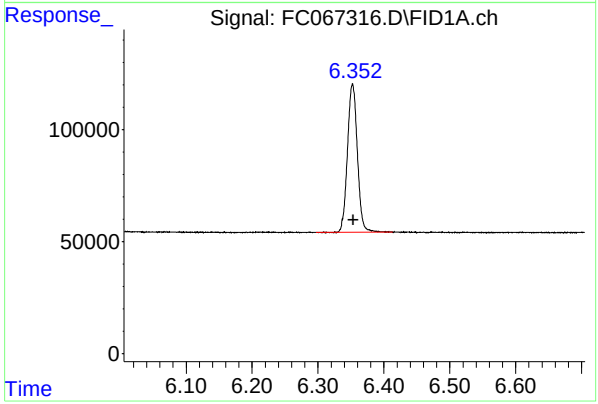
#2 n-Decane (C10)

R.T.: 4.336 min
Delta R.T.: 0.000 min
Response: 688670
Conc: 5.46 ug/ml



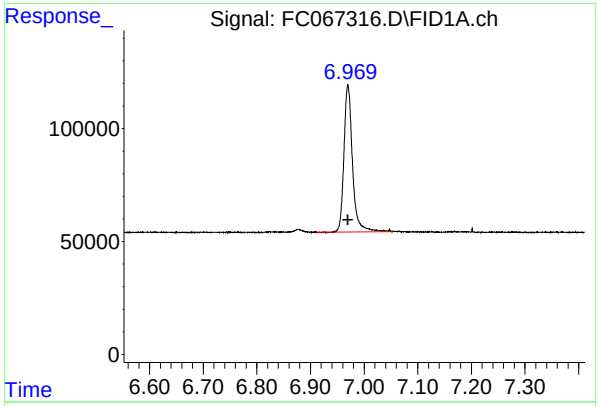
#3 A~Naphthalene (C11.7)

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 757843
Conc: 5.44 ug/ml



#4 n-Dodecane (C12)

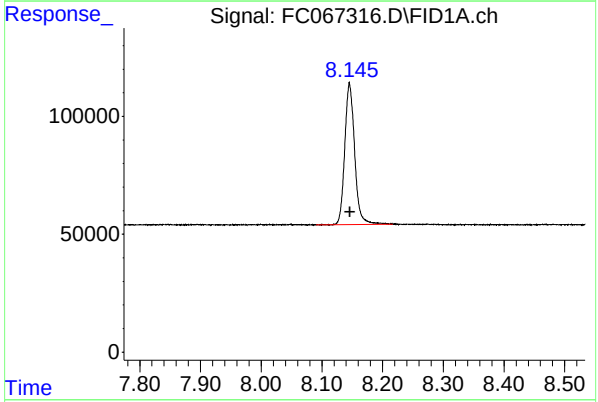
R.T.: 6.352 min
Delta R.T.: 0.000 min
Response: 691712
Conc: 5.42 ug/ml



#5 A~2-methylnaphthalene (C12.89)

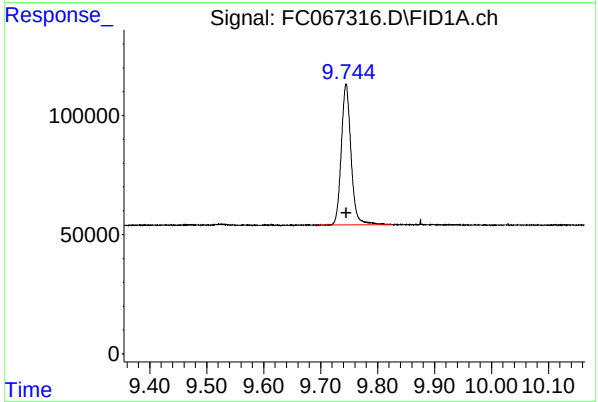
R.T.: 6.970 min
Delta R.T.: 0.000 min
Response: 719915
Conc: 5.31 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



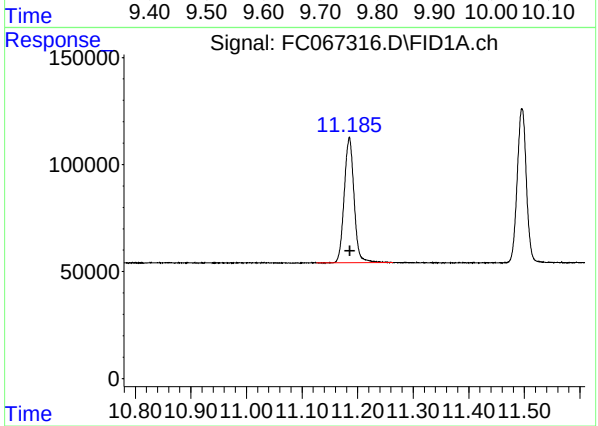
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 680596
Conc: 5.36 ug/ml



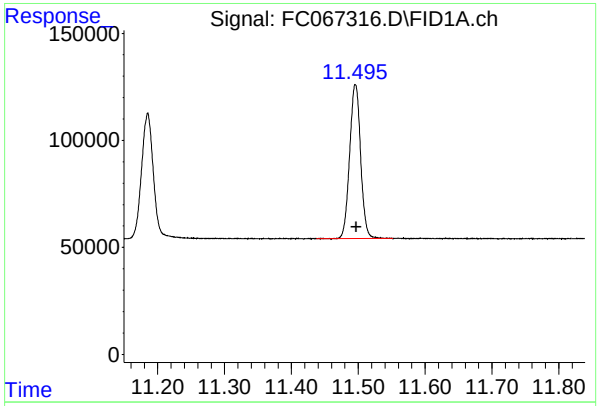
#7 n-Hexadecane (C16)

R.T.: 9.745 min
Delta R.T.: 0.000 min
Response: 701420
Conc: 5.34 ug/ml



#8 n-Octadecane (C18)

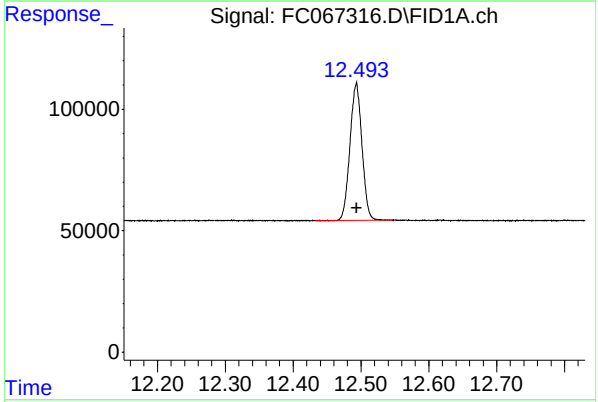
R.T.: 11.185 min
Delta R.T.: -0.001 min
Response: 721326
Conc: 5.41 ug/ml



#9 ortho-Terphenyl (SURR)

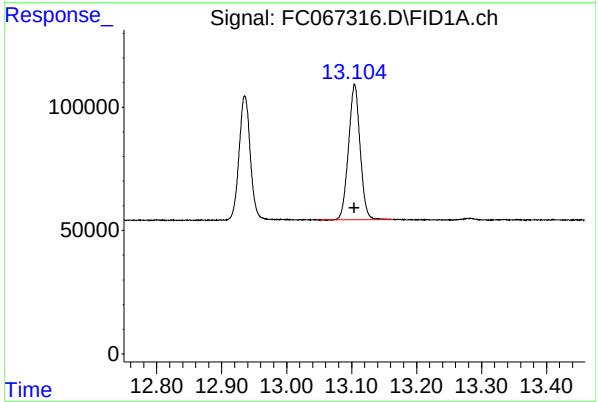
R.T.: 11.496 min
Delta R.T.: -0.001 min
Response: 821094
Conc: 5.51 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



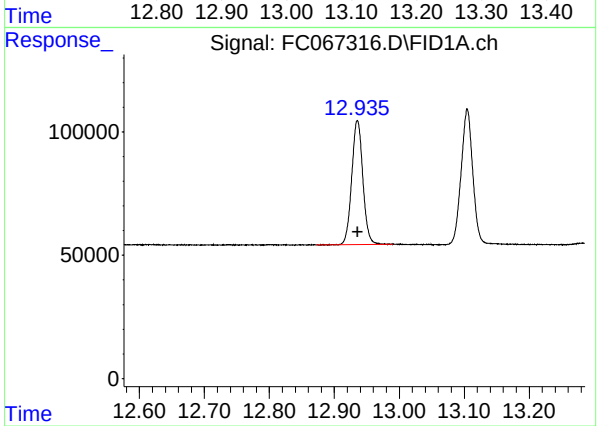
#10 n-Eicosane (C20)

R.T.: 12.493 min
Delta R.T.: 0.000 min
Response: 695208
Conc: 5.41 ug/ml



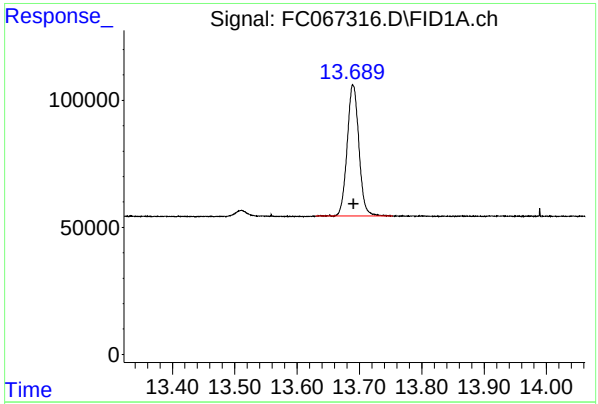
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: 0.000 min
Response: 680195
Conc: 5.39 ug/ml



#12 1-chlorooctadecane (SURR)

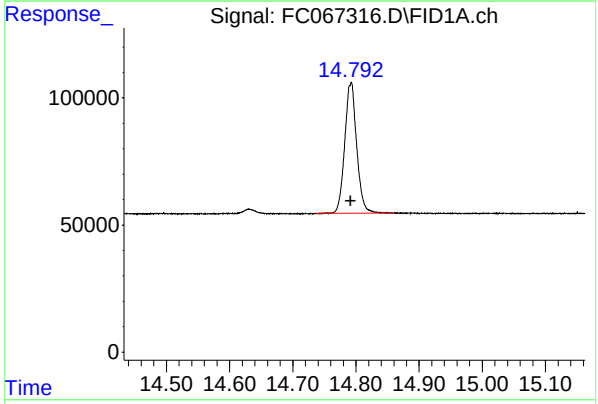
R.T.: 12.936 min
Delta R.T.: 0.000 min
Response: 597484
Conc: 5.35 ug/ml



#13 n-Docosane (C22)

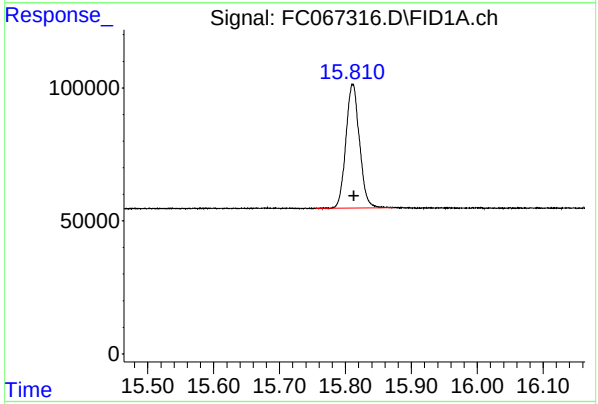
R.T.: 13.690 min
Delta R.T.: 0.000 min
Response: 677301
Conc: 5.39 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



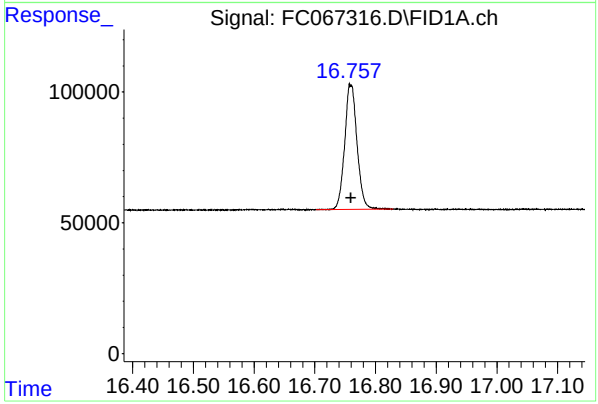
#14 n-Tetracosane (C24)

R.T.: 14.792 min
Delta R.T.: 0.000 min
Response: 676857
Conc: 5.37 ug/ml



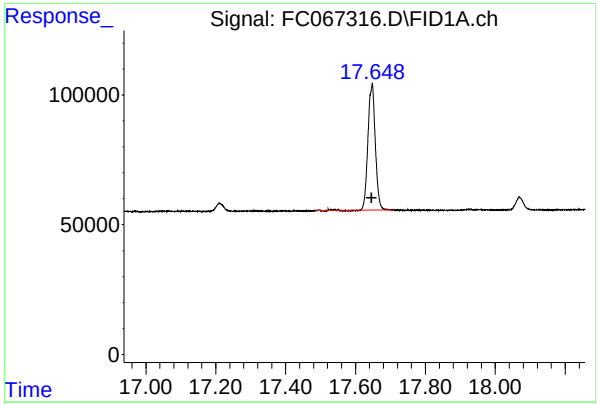
#15 n-Hexacosane (C26)

R.T.: 15.811 min
Delta R.T.: -0.002 min
Response: 666097
Conc: 5.36 ug/ml



#16 n-Octacosane (C28)

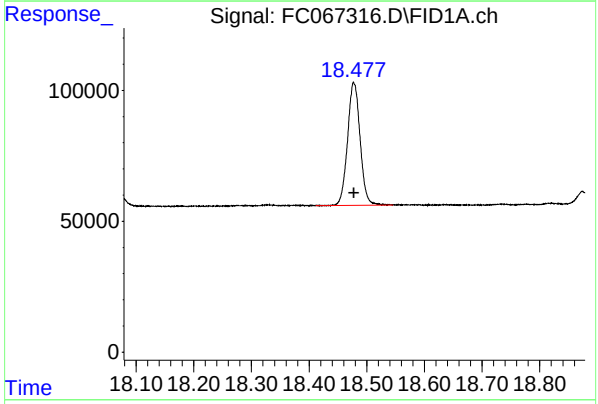
R.T.: 16.759 min
Delta R.T.: 0.000 min
Response: 677736
Conc: 5.50 ug/ml



#17 n-Tricontane (C30)

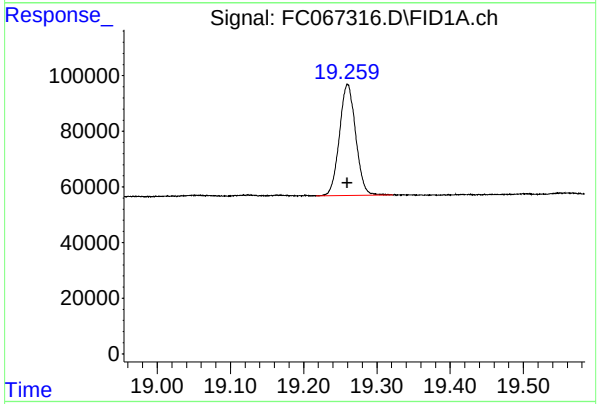
R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 712654
Conc: 5.68 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



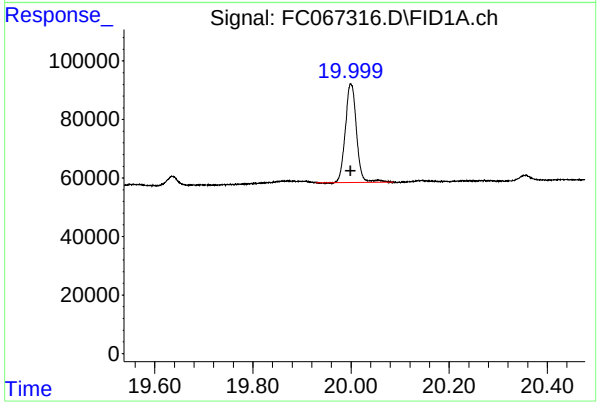
#18 n-Dotriacontane (C32)

R.T.: 18.478 min
Delta R.T.: 0.000 min
Response: 709265
Conc: 5.88 ug/ml



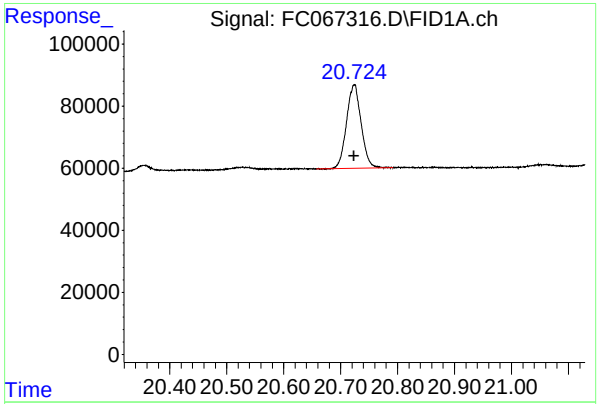
#19 n-Tetratriacontane (C34)

R.T.: 19.260 min
Delta R.T.: 0.000 min
Response: 617762
Conc: 5.84 ug/ml



#20 n-Hexatriacontane (C36)

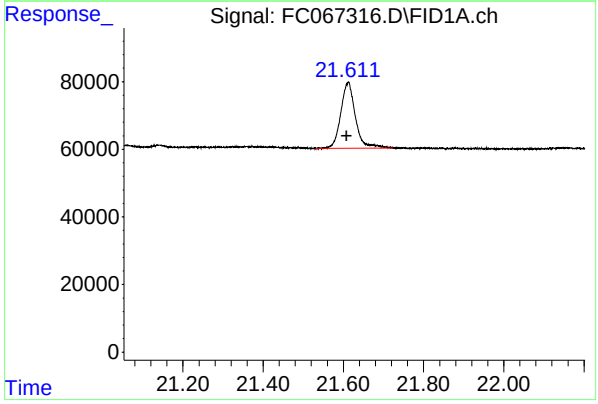
R.T.: 20.000 min
Delta R.T.: 0.000 min
Response: 533422
Conc: 5.83 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.724 min
Delta R.T.: 0.000 mi
Response: 480941
Conc: 5.62 ug/m

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.612 min
Delta R.T.: 0.004 min
Response: 490214
Conc: 5.90 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067316.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 13:35
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.271	3.245	3.325	BB	78681	686146	83.56%	4.673%
2	4.336	4.289	4.399	BB	72152	688670	83.87%	4.690%
3	5.915	5.865	5.997	BB	76027	757843	92.30%	5.161%
4	6.352	6.297	6.414	BB	66053	691712	84.24%	4.711%
5	6.970	6.910	7.054	BB	65101	719915	87.68%	4.903%
6	8.146	8.090	8.217	BB	60011	680596	82.89%	4.635%
7	9.745	9.692	9.827	BB	59283	701420	85.42%	4.777%
8	11.185	11.125	11.264	BB	58904	721326	87.85%	4.912%
9	11.496	11.437	11.552	BB	72136	821094	100.00%	5.592%
10	12.493	12.434	12.547	BB	56965	695208	84.67%	4.735%
11	12.936	12.872	12.990	BB	50290	597484	72.77%	4.069%
12	13.105	13.045	13.164	BB	54789	680195	82.84%	4.632%
13	13.690	13.630	13.754	BB	51352	677301	82.49%	4.613%
14	14.792	14.737	14.859	BB	51124	676857	82.43%	4.610%
15	15.811	15.755	15.872	BB	46744	666097	81.12%	4.536%
16	16.759	16.702	16.829	BB	47167	677736	82.54%	4.616%
17	17.647	17.487	17.707	BB	48207	712654	86.79%	4.853%
18	18.478	18.412	18.545	BB	46869	709265	86.38%	4.830%
19	19.260	19.217	19.322	BB	39937	617762	75.24%	4.207%
20	20.000	19.929	20.085	BB	33595	533422	64.96%	3.633%
21	20.724	20.657	20.792	BB	26905	480941	58.57%	3.275%
22	21.612	21.532	21.724	BB	19525	490214	59.70%	3.338%
			Sum of corrected areas:			14683859		

Aliphatic EPH 100224.M Tue Oct 01 09:21:54 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067317.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 14:29
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

A B C D E F

Integration File: autoint1.e
Quant Time: Oct 01 09:15:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.498	2856514	18.773 ug/ml
Spiked Amount	50.000		Recovery =	37.55%
12) S	1-chlorooctadecane (S...	12.936	2133568	18.849 ug/ml
Spiked Amount	50.000		Recovery =	37.70%
	Target Compounds			
1) T	n-Nonane (C9)	3.270	2407553	18.993 ug/ml
2) T	n-Decane (C10)	4.336	2442213	18.999 ug/ml
3) T	A~Naphthalene (C11.7)	5.915	2689038	18.956 ug/ml
4) T	n-Dodecane (C12)	6.353	2456420	18.930 ug/ml
5) T	A~2-methylnaphthalene...	6.970	2597570	18.934 ug/ml
6) T	n-Tetradecane (C14)	8.146	2450775	19.028 ug/ml
7) T	n-Hexadecane (C16)	9.746	2523898	18.960 ug/ml
8) T	n-Octadecane (C18)	11.186	2573183	18.976 ug/ml
10) T	n-Eicosane (C20)	12.494	2485014	19.032 ug/ml
11) T	n-Heneicosane (C21)	13.105	2426455	18.919 ug/ml
13) T	n-Docosane (C22)	13.691	2465913	19.312 ug/ml
14) T	n-Tetracosane (C24)	14.792	2609769	20.406 ug/ml
15) T	n-Hexacosane (C26)	15.813	2600091	20.622 ug/ml
16) T	n-Octacosane (C28)	16.762	2654837	21.132 ug/ml
17) T	n-Tricontane (C30)	17.647	2708550	21.025 ug/ml
18) T	n-Dotriacontane (C32)	18.478	2596492	20.784 ug/ml
19) T	n-Tetratriacontane (C34)	19.261	2217081	20.289 ug/ml
20) T	n-Hexatriacontane (C36)	20.000	1805047	19.097 ug/ml
21) T	n-Octatriacontane (C38)	20.724	1666956	19.008 ug/ml
22) T	n-Tetracontane (C40)	21.608	1643254	19.097 ug/ml

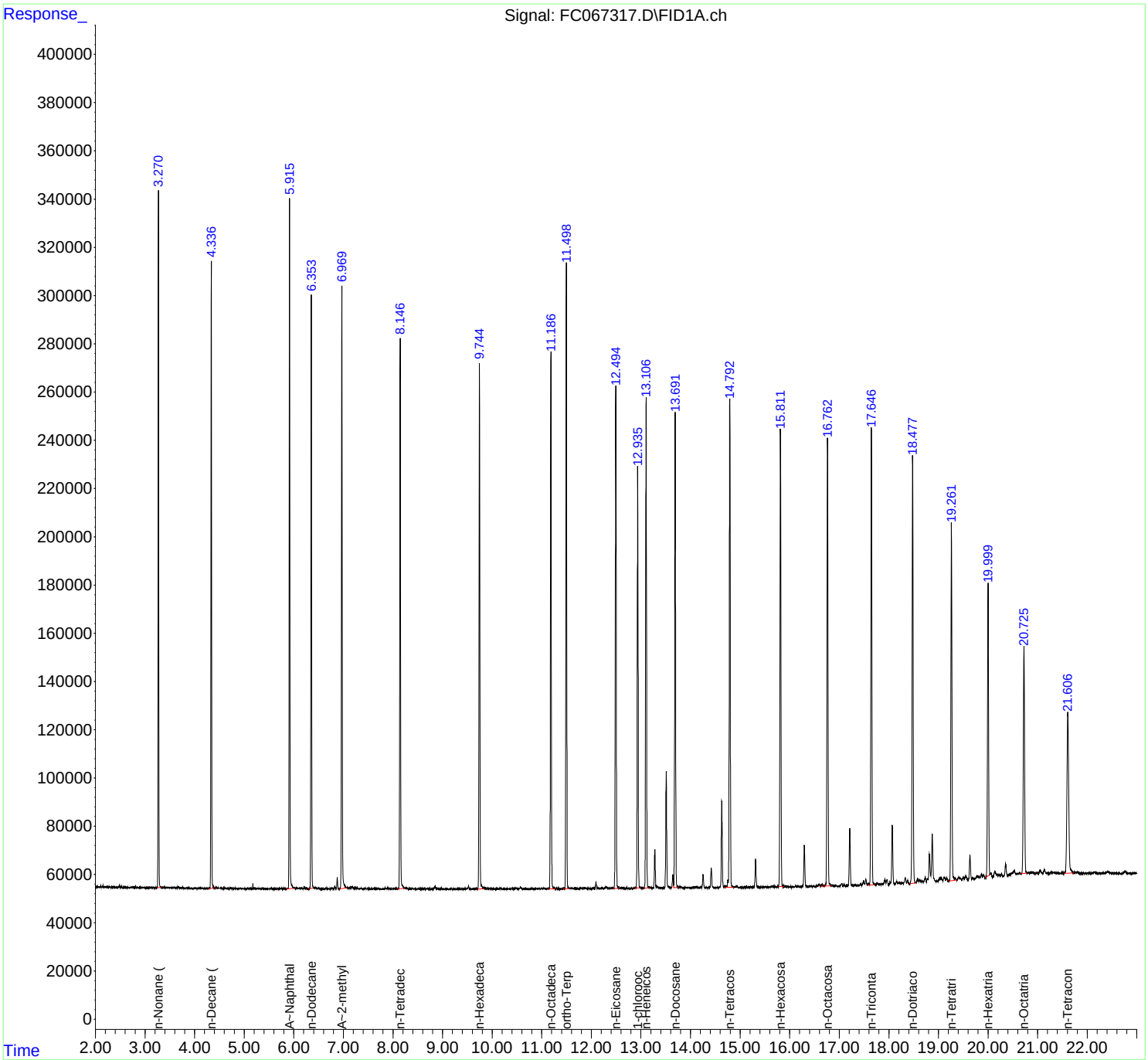
(f)=RT Delta > 1/2 Window (m)=manual int.

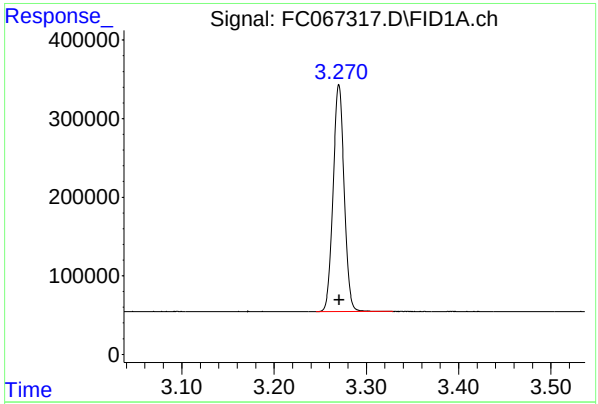
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067317.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 14:29
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 01 09:15:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

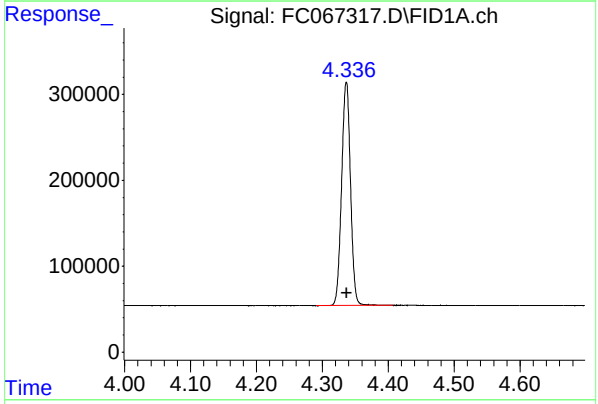




#1 n-Nonane (C9)

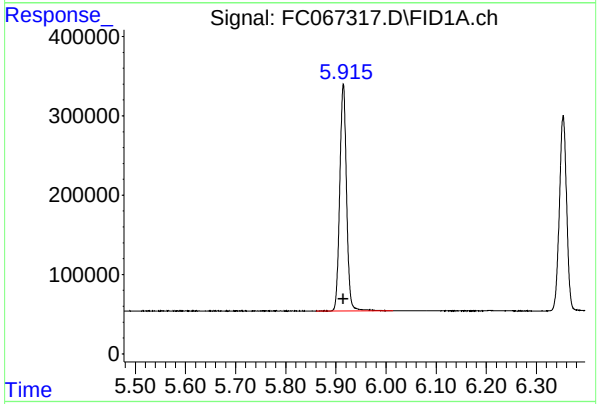
R.T.: 3.270 min
Delta R.T.: 0.000 min
Response: 2407553
Conc: 18.99 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



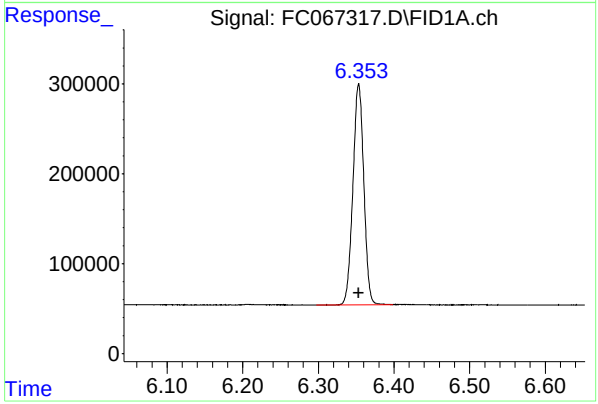
#2 n-Decane (C10)

R.T.: 4.336 min
Delta R.T.: 0.000 min
Response: 2442213
Conc: 19.00 ug/ml



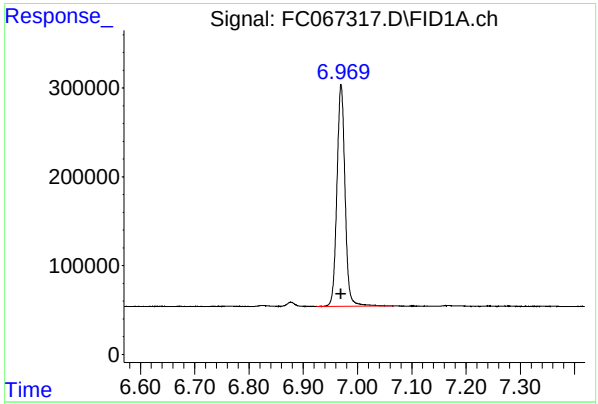
#3 A~Naphthalene (C11.7)

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 2689038
Conc: 18.96 ug/ml



#4 n-Dodecane (C12)

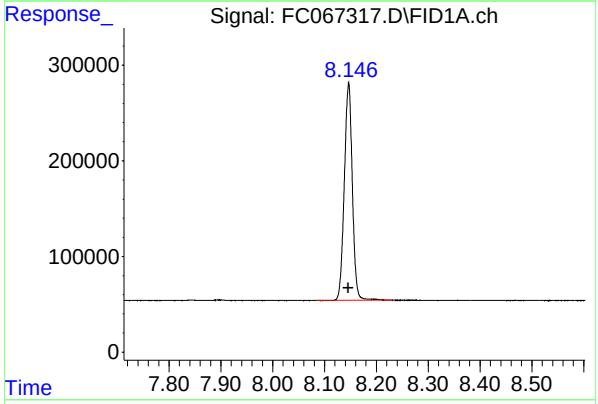
R.T.: 6.353 min
Delta R.T.: 0.000 min
Response: 2456420
Conc: 18.93 ug/ml



#5 A~2-methylnaphthalene (C12.89)

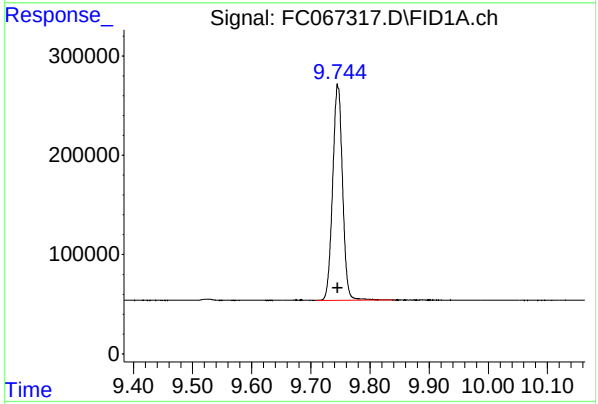
R.T.: 6.970 min
Delta R.T.: 0.000 min
Response: 2597570
Conc: 18.93 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



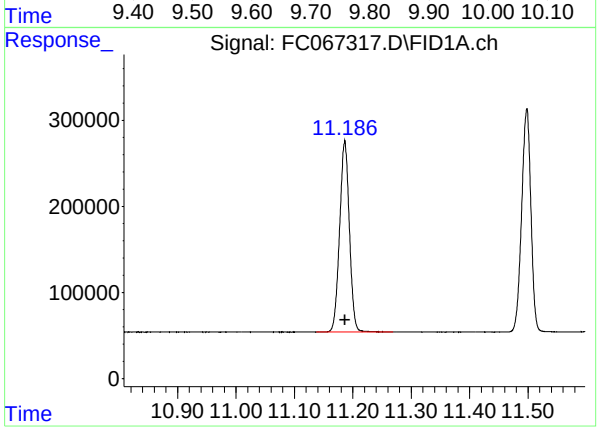
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 2450775
Conc: 19.03 ug/ml



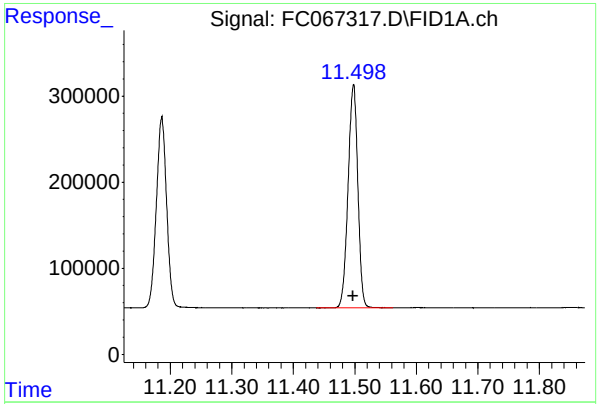
#7 n-Hexadecane (C16)

R.T.: 9.746 min
Delta R.T.: 0.000 min
Response: 2523898
Conc: 18.96 ug/ml



#8 n-Octadecane (C18)

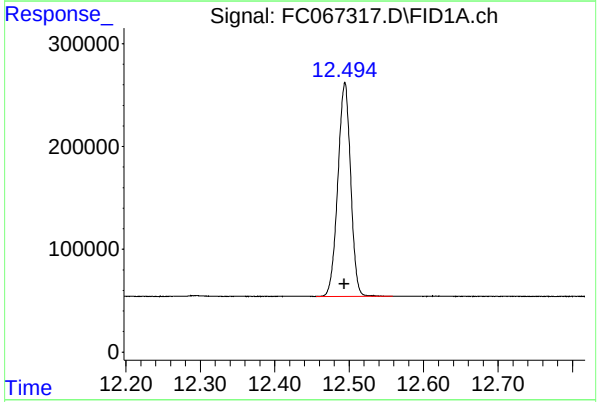
R.T.: 11.186 min
Delta R.T.: 0.000 min
Response: 2573183
Conc: 18.98 ug/ml



#9 ortho-Terphenyl (SURR)

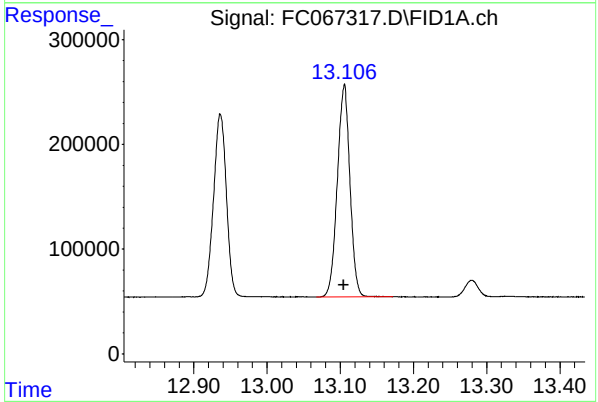
R.T.: 11.498 min
Delta R.T.: 0.000 min
Response: 2856514
Conc: 18.77 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



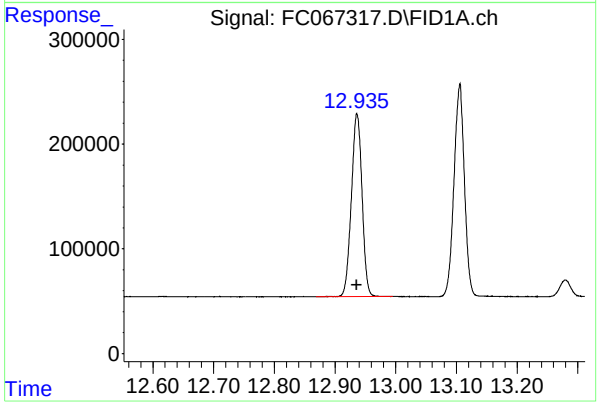
#10 n-Eicosane (C20)

R.T.: 12.494 min
Delta R.T.: 0.000 min
Response: 2485014
Conc: 19.03 ug/ml



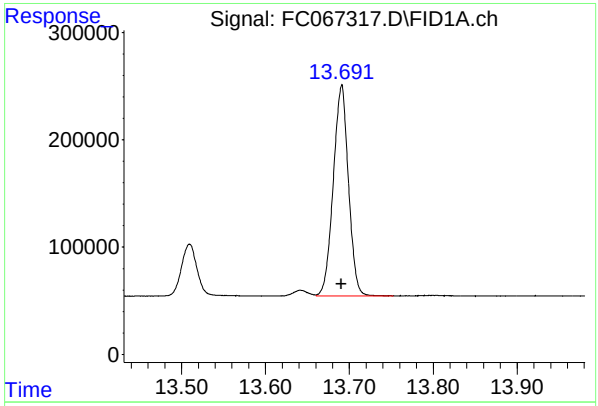
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: 0.000 min
Response: 2426455
Conc: 18.92 ug/ml



#12 1-chlorooctadecane (SURR)

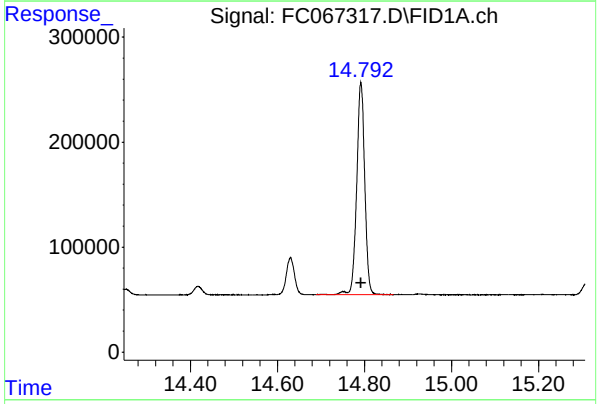
R.T.: 12.936 min
Delta R.T.: 0.000 min
Response: 2133568
Conc: 18.85 ug/ml



#13 n-Docosane (C22)

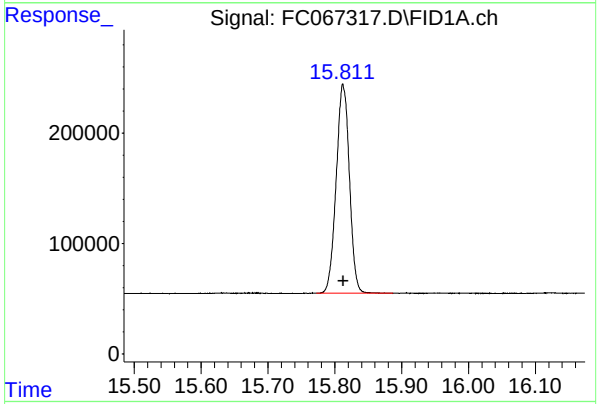
R.T.: 13.691 min
Delta R.T.: 0.000 min
Response: 2465913
Conc: 19.31 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



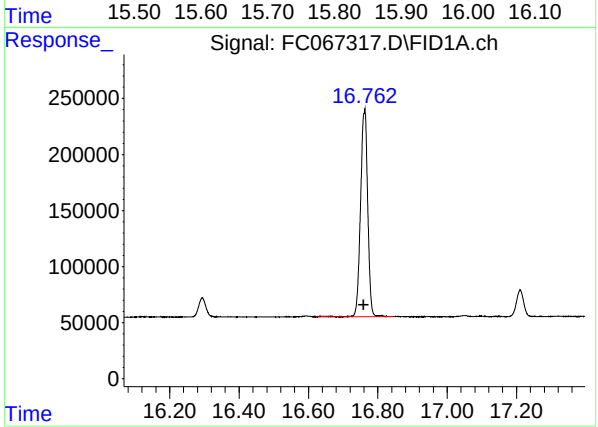
#14 n-Tetracosane (C24)

R.T.: 14.792 min
Delta R.T.: 0.000 min
Response: 2609769
Conc: 20.41 ug/ml



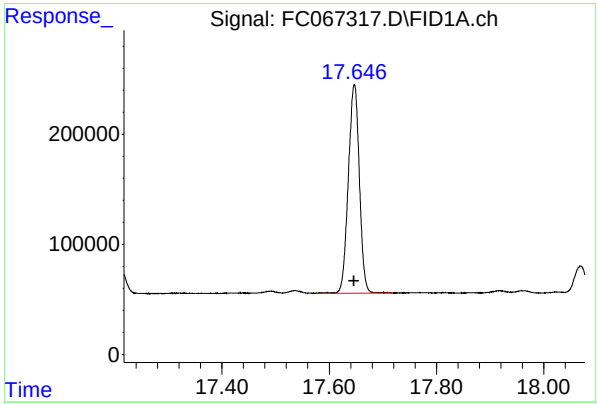
#15 n-Hexacosane (C26)

R.T.: 15.813 min
Delta R.T.: 0.000 min
Response: 2600091
Conc: 20.62 ug/ml



#16 n-Octacosane (C28)

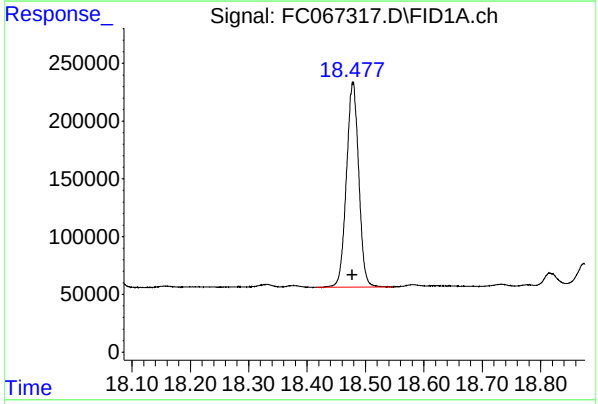
R.T.: 16.762 min
Delta R.T.: 0.002 min
Response: 2654837
Conc: 21.13 ug/ml



#17 n-Tricontane (C30)

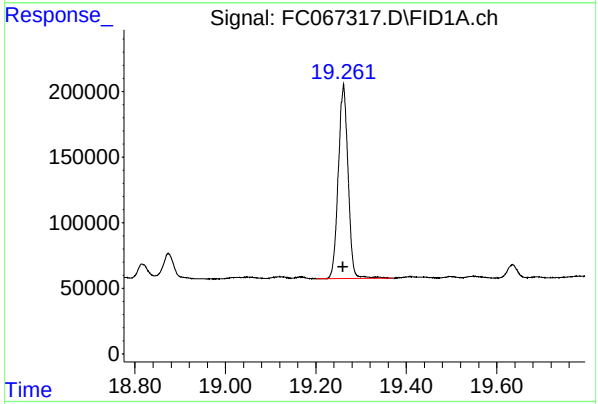
R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 2708550
Conc: 21.03 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



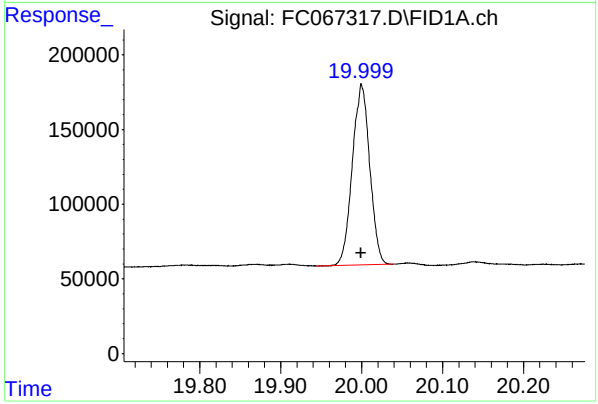
#18 n-Dotriacontane (C32)

R.T.: 18.478 min
Delta R.T.: 0.000 min
Response: 2596492
Conc: 20.78 ug/ml



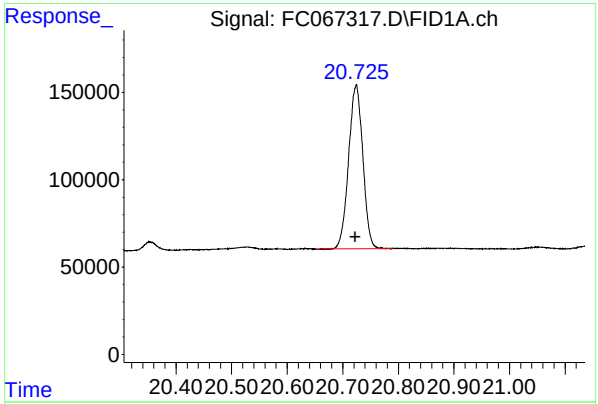
#19 n-Tetratriacontane (C34)

R.T.: 19.261 min
Delta R.T.: 0.001 min
Response: 2217081
Conc: 20.29 ug/ml



#20 n-Hexatriacontane (C36)

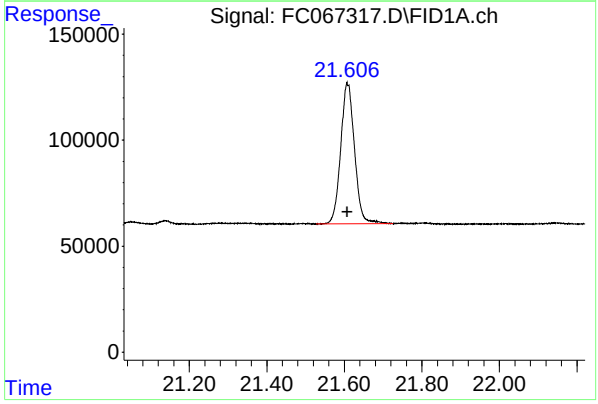
R.T.: 20.000 min
Delta R.T.: 0.000 min
Response: 1805047
Conc: 19.10 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.724 min
Delta R.T.: 0.000 min
Response: 1666956
Conc: 19.01 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.608 min
Delta R.T.: 0.000 min
Response: 1643254
Conc: 19.10 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067317.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 14:29
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.270	3.245	3.329	BB	288931	2407553	84.28%	4.542%
2	4.336	4.290	4.407	BB	261348	2442213	85.50%	4.607%
3	5.915	5.860	6.014	BB	287508	2689038	94.14%	5.073%
4	6.353	6.297	6.399	BB	245767	2456420	85.99%	4.634%
5	6.970	6.924	7.065	BB	249458	2597570	90.93%	4.900%
6	8.146	8.084	8.232	BB	228794	2450775	85.80%	4.623%
7	9.746	9.709	9.839	BB	216843	2523898	88.36%	4.761%
8	11.186	11.137	11.269	BB	220536	2573183	90.08%	4.854%
9	11.498	11.437	11.562	BB	258215	2856514	100.00%	5.389%
10	12.494	12.455	12.559	BB	207733	2485014	86.99%	4.688%
11	12.936	12.869	12.995	BB	173785	2133568	74.69%	4.025%
12	13.105	13.067	13.172	BB	202480	2426455	84.94%	4.577%
13	13.691	13.660	13.752	VB	195897	2465913	86.33%	4.652%
14	14.792	14.689	14.865	BB	201649	2609769	91.36%	4.923%
15	15.813	15.772	15.887	BB	189215	2600091	91.02%	4.905%
16	16.762	16.622	16.844	BB	184812	2654837	92.94%	5.008%
17	17.647	17.575	17.719	BB	189586	2708550	94.82%	5.109%
18	18.478	18.415	18.547	BV	176605	2596492	90.90%	4.898%
19	19.261	19.200	19.370	BB	146116	2217081	77.61%	4.182%
20	20.000	19.944	20.039	BV	119921	1805047	63.19%	3.405%
21	20.724	20.652	20.790	BB	93568	1666956	58.36%	3.145%
22	21.608	21.527	21.725	BB	65123	1643254	57.53%	3.100%
			Sum of corrected areas:			53010189		

Aliphatic EPH 100224.M Tue Oct 01 09:22:28 2024

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Inital Calibration Report for SequenceID : FE100824AL

AreaCount

Parameter Range	FE050535.D	FE050536.D	FE050537.D	FE050538.D	FE050539.D	
Aliphatic C9-C12	40745791.000	21072572.000	8517410.000	4337343.000	2274924.000	
Aliphatic C12-C16	27735737.000	14244783.000	5792628.000	2930237.000	1531373.000	
Aliphatic C16-C21	40974621.000	21203318.000	8666410.000	4379658.000	2304599.000	
Aliphatic C21-C28	52777882.000	27581000.000	11356069.000	5708818.000	3125067.000	
Aliphatic C28-C40	72232829.000	38094965.000	16699677.000	8422068.000	4938401.000	
Aliphatic EPH	234466860.000	122196638.000	51032194.000	25778124.000	14174364.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	142899.9299998	4.087				
Aliphatic C12-C16	145118.273	3.694				
Aliphatic C16-C21	144401.2446664	4.356				
Aliphatic C21-C28	142154.8735	6.306				
Aliphatic C28-C40	138303.281333	12.24				
Aliphatic EPH	141698.847333	7.212				

Concentration

Parameter Range	FE050535.D	FE050536.D	FE050537.D	FE050538.D	FE050539.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FE050535.D	FE050536.D	FE050537.D	FE050538.D	FE050539.D	
Aliphatic C9-C12	135819.303333	140483.813333	141956.833333	144578.100000	151661.600000	
Aliphatic C12-C16	138678.685000	142447.830000	144815.700000	146511.850000	153137.300000	
Aliphatic C16-C21	136582.070000	141355.453333	144440.166666	145988.600000	153639.933333	

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Inital Calibration Report for SequenceID : FE100824AL

Aliphatic C21-C28	131944.705000	137905.000000	141950.862500	142720.450000	156253.350000	
Aliphatic C28-C40	120388.048333	126983.216666	139163.975000	140367.800000	164613.366666	
Aliphatic EPH	130259.366666	135774.042222	141756.094444	143211.800000	157492.933333	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050535.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:06
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

A B C D E F

Integration File: autoint1.e
Quant Time: Oct 07 15:50:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:49:51 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.874	14935989	97.121 ug/ml
Spiked Amount	50.000		Recovery =	194.24%
12) S	1-chlorooctadecane (S...	13.307	11405346	97.767 ug/ml
Spiked Amount	50.000		Recovery =	195.53%
	Target Compounds			
1) T	n-Nonane (C9)	3.256	13375492	97.682 ug/ml
2) T	n-Decane (C10)	4.508	13622130	97.695 ug/ml
3) T	A~Naphthalene (C11.7)	6.217	14355926	100.128 ug/ml
4) T	n-Dodecane (C12)	6.676	13748169	97.991 ug/ml
5) T	A~2-methylnaphthalene...	7.315	13570374	100.663 ug/ml
6) T	n-Tetradecane (C14)	8.504	13662645	97.909 ug/ml
7) T	n-Hexadecane (C16)	10.111	14073092	97.764 ug/ml
8) T	n-Octadecane (C18)	11.554	14160630	97.396 ug/ml
10) T	n-Eicosane (C20)	12.861	13543211	97.115 ug/ml
11) T	n-Heneicosane (C21)	13.472	13270780	97.090 ug/ml
13) T	n-Docosane (C22)	14.058	13205478	96.773 ug/ml
14) T	n-Tetracosane (C24)	15.160	13226380	96.742 ug/ml
15) T	n-Hexacosane (C26)	16.179	13147754	96.576 ug/ml
16) T	n-Octacosane (C28)	17.129	13198270	95.311 ug/ml
17) T	n-Tricontane (C30)	18.016	13716170	92.688 ug/ml
18) T	n-Dotriacontane (C32)	18.847	13640074	91.715 ug/ml
19) T	n-Tetratriacontane (C34)	19.629	12565721	92.262 ug/ml
20) T	n-Hexatriacontane (C36)	20.368	11275380	94.013 ug/ml
21) T	n-Octatriacontane (C38)	21.094	10872225	93.405 ug/ml
22) T	n-Tetracontane (C40)	21.983	10163259	92.882 ug/ml

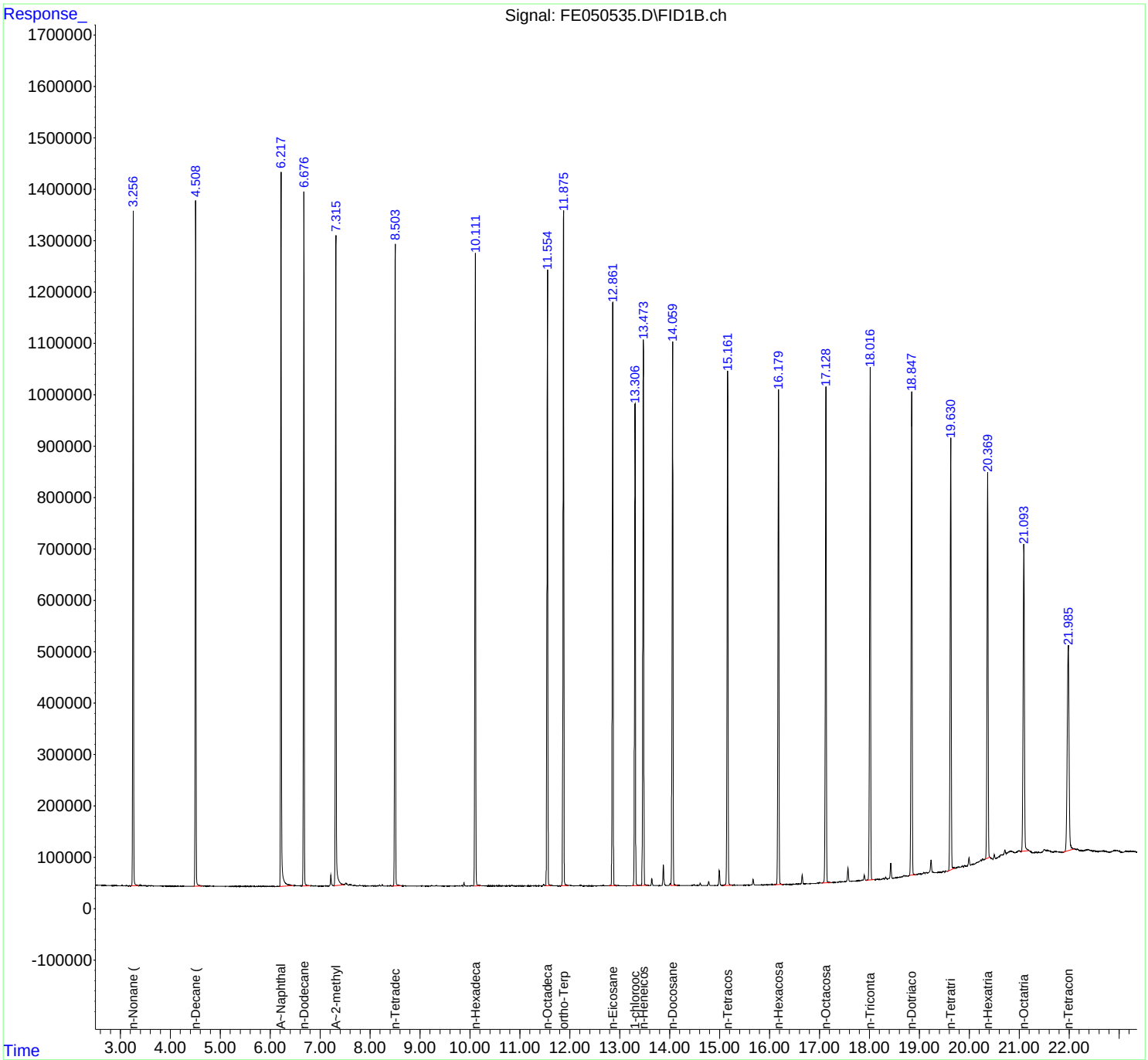
(f)=RT Delta > 1/2 Window (m)=manual int.

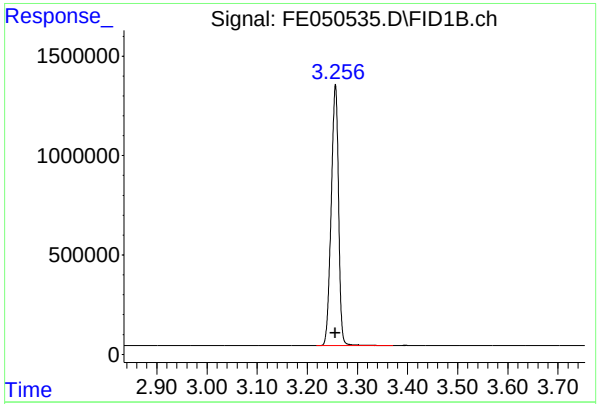
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050535.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:06
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 07 15:50:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:49:51 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

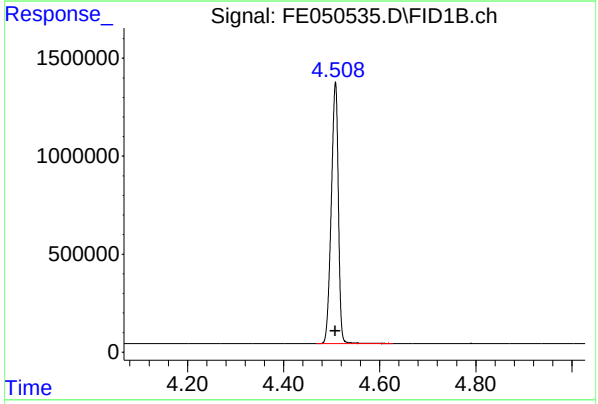




#1 n-Nonane (C9)

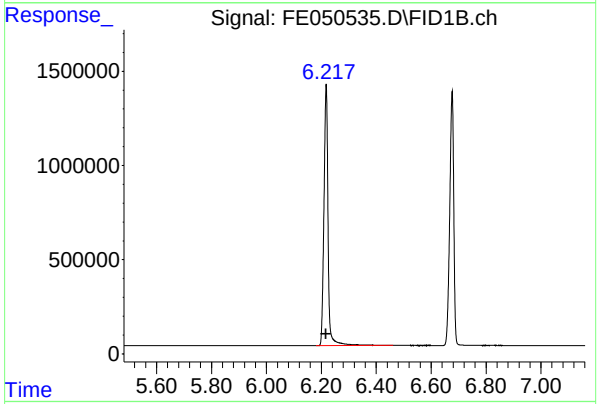
R.T.: 3.256 min
Delta R.T.: 0.000 min
Response: 13375492
Conc: 97.68 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



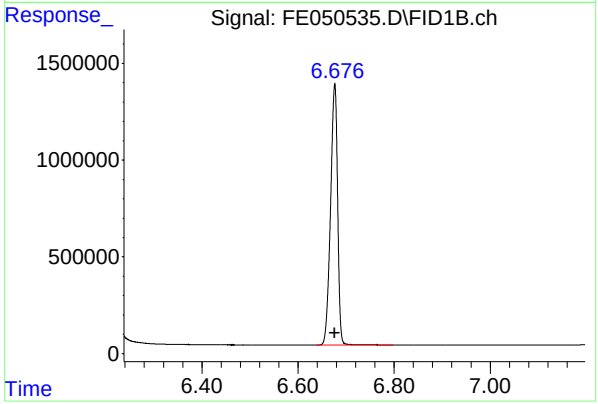
#2 n-Decane (C10)

R.T.: 4.508 min
Delta R.T.: 0.000 min
Response: 13622130
Conc: 97.70 ug/ml



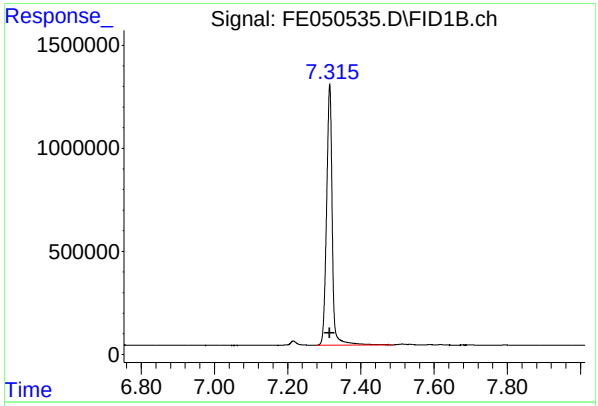
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: 0.000 min
Response: 14355926
Conc: 100.13 ug/ml



#4 n-Dodecane (C12)

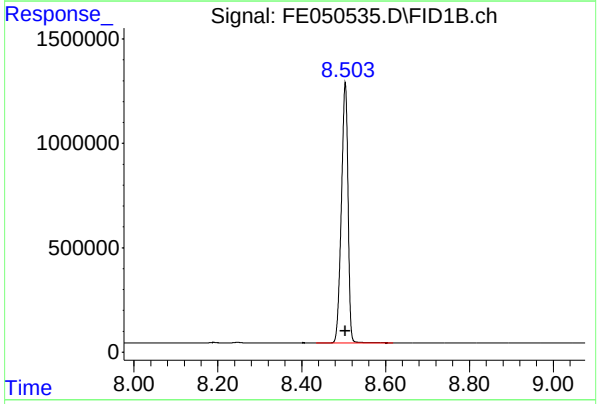
R.T.: 6.676 min
Delta R.T.: 0.000 min
Response: 13748169
Conc: 97.99 ug/ml



#5 A~2-methylnaphthalene (C12.89)

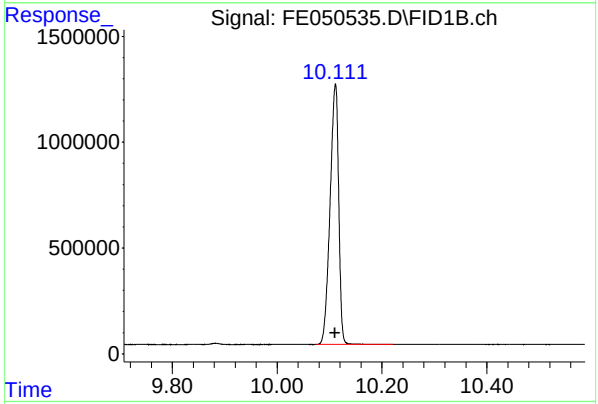
R.T.: 7.315 min
Delta R.T.: 0.000 min
Response: 13570374
Conc: 100.66 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



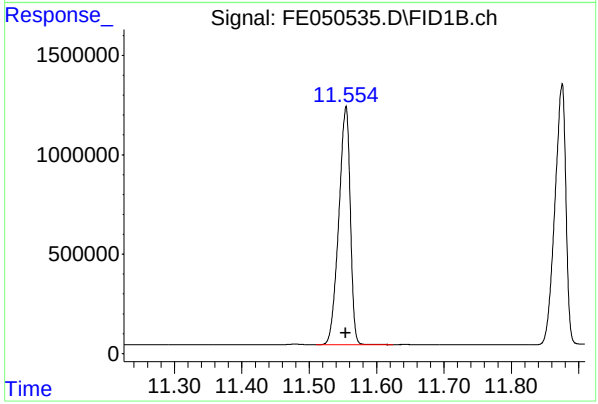
#6 n-Tetradecane (C14)

R.T.: 8.504 min
Delta R.T.: 0.000 min
Response: 13662645
Conc: 97.91 ug/ml



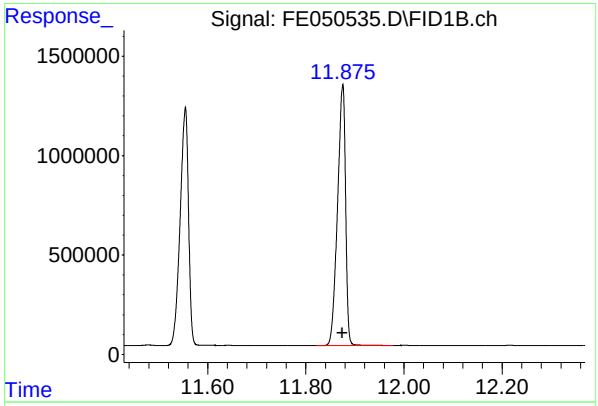
#7 n-Hexadecane (C16)

R.T.: 10.111 min
Delta R.T.: 0.000 min
Response: 14073092
Conc: 97.76 ug/ml



#8 n-Octadecane (C18)

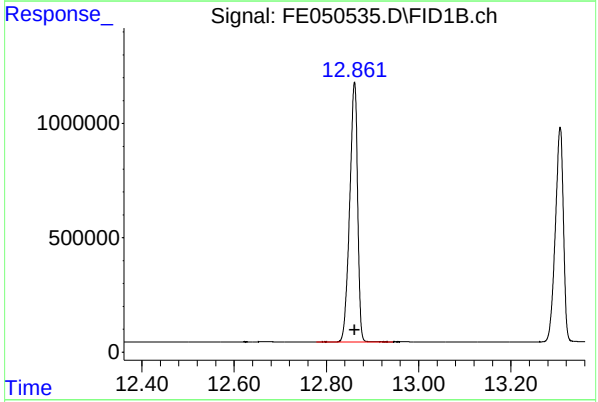
R.T.: 11.554 min
Delta R.T.: 0.000 min
Response: 14160630
Conc: 97.40 ug/ml



#9 ortho-Terphenyl (SURR)

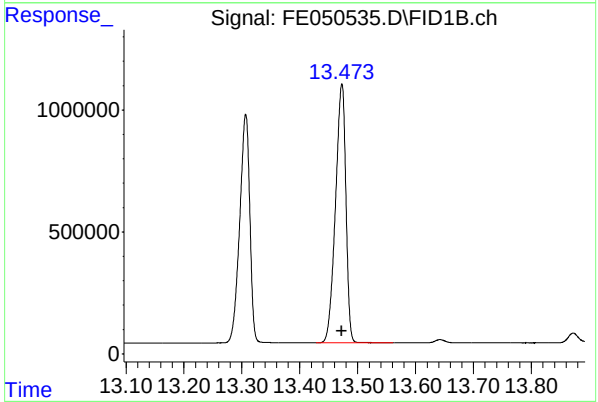
R.T.: 11.874 min
Delta R.T.: 0.000 min
Response: 14935989
Conc: 97.12 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



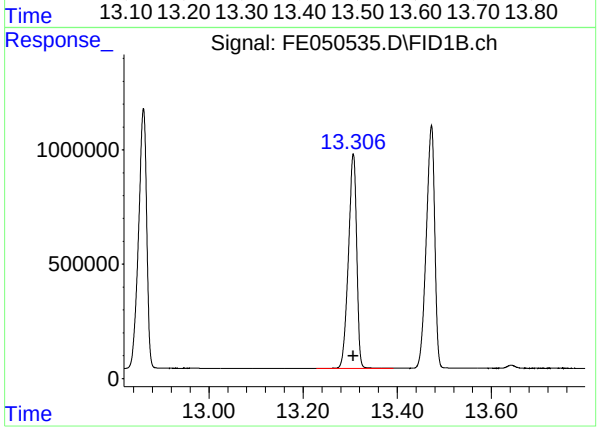
#10 n-Eicosane (C20)

R.T.: 12.861 min
Delta R.T.: 0.000 min
Response: 13543211
Conc: 97.12 ug/ml



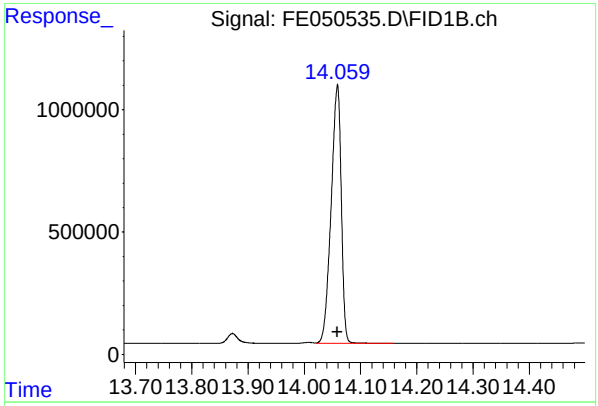
#11 n-Heneicosane (C21)

R.T.: 13.472 min
Delta R.T.: 0.000 min
Response: 13270780
Conc: 97.09 ug/ml



#12 1-chlorooctadecane (SURR)

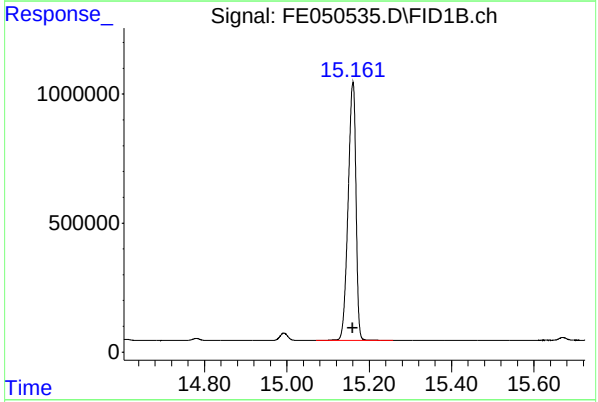
R.T.: 13.307 min
Delta R.T.: 0.000 min
Response: 11405346
Conc: 97.77 ug/ml



#13 n-Docosane (C22)

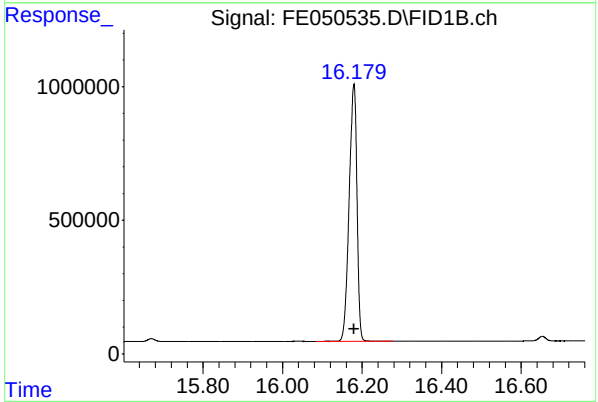
R.T.: 14.058 min
Delta R.T.: 0.000 min
Response: 13205478
Conc: 96.77 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



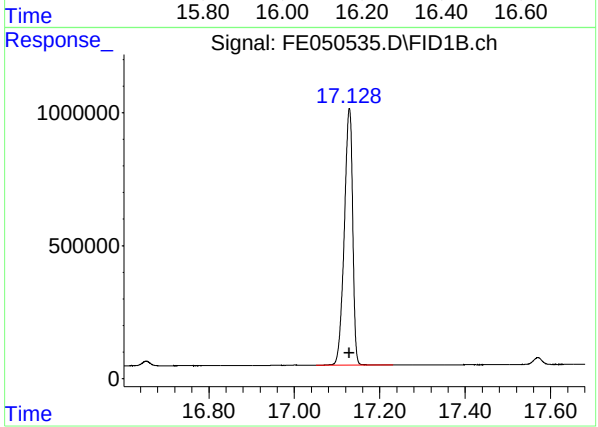
#14 n-Tetracosane (C24)

R.T.: 15.160 min
Delta R.T.: 0.000 min
Response: 13226380
Conc: 96.74 ug/ml



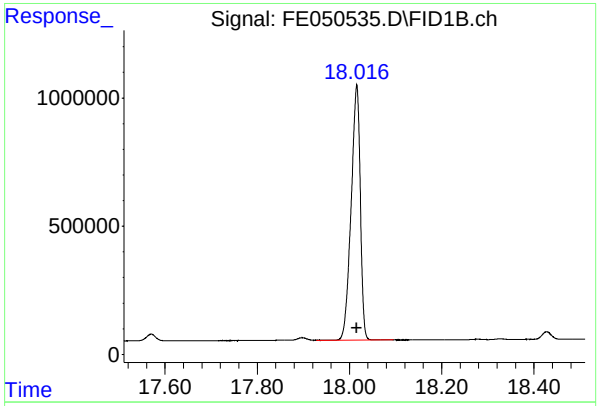
#15 n-Hexacosane (C26)

R.T.: 16.179 min
Delta R.T.: 0.000 min
Response: 13147754
Conc: 96.58 ug/ml



#16 n-Octacosane (C28)

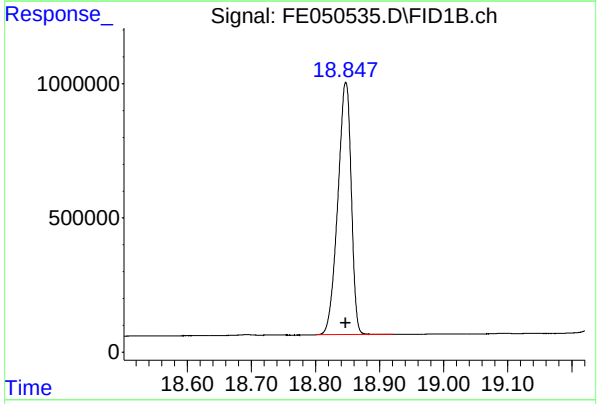
R.T.: 17.129 min
Delta R.T.: 0.000 min
Response: 13198270
Conc: 95.31 ug/ml



#17 n-Tricontane (C30)

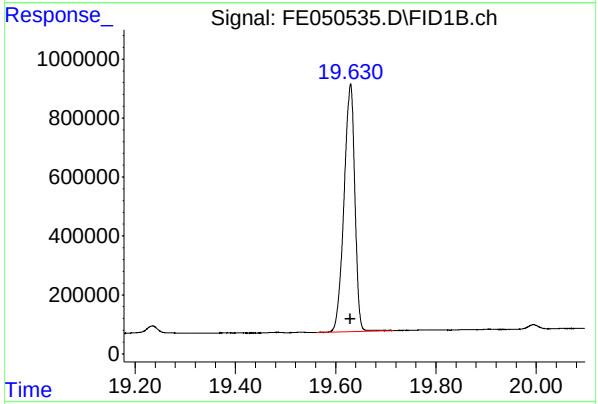
R.T.: 18.016 min
Delta R.T.: 0.000 min
Response: 13716170
Conc: 92.69 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



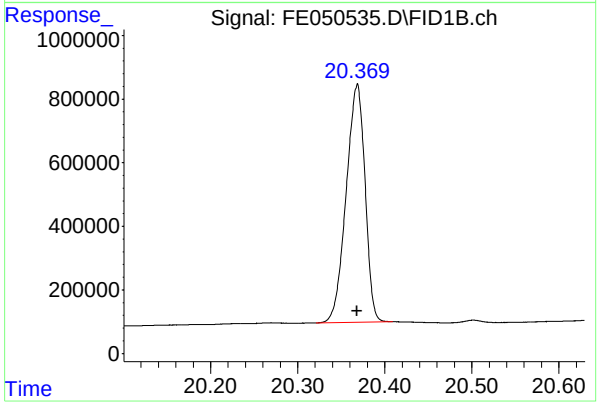
#18 n-Dotriacontane (C32)

R.T.: 18.847 min
Delta R.T.: 0.000 min
Response: 13640074
Conc: 91.72 ug/ml



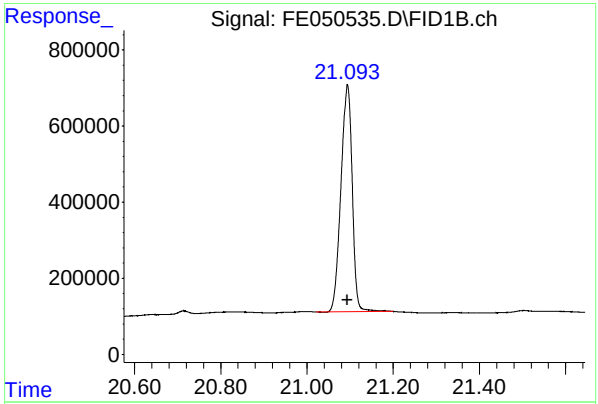
#19 n-Tetratriacontane (C34)

R.T.: 19.629 min
Delta R.T.: 0.000 min
Response: 12565721
Conc: 92.26 ug/ml



#20 n-Hexatriacontane (C36)

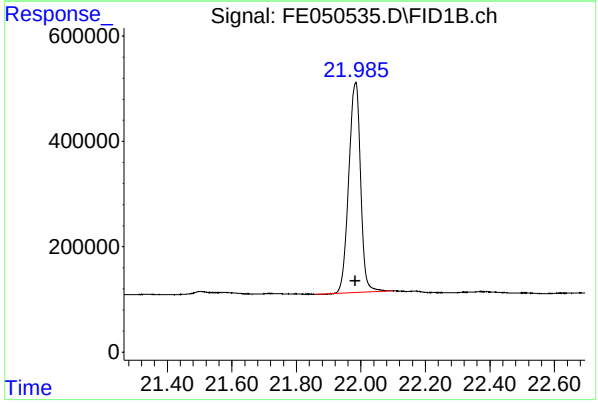
R.T.: 20.368 min
Delta R.T.: 0.000 min
Response: 11275380
Conc: 94.01 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.094 min
Delta R.T.: 0.000 min
Response: 10872225
Conc: 93.40 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.983 min
Delta R.T.: 0.000 min
Response: 10163259
Conc: 92.88 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050535.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:06
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.256	3.218	3.371	BB	1324173	13375492	89.55%	4.632%
2	4.508	4.468	4.628	BB	1334655	13622130	91.20%	4.718%
3	6.217	6.181	6.461	BB	1389687	14355926	96.12%	4.972%
4	6.676	6.638	6.798	BB	1369652	13748169	92.05%	4.762%
5	7.315	7.278	7.488	PV	1264853	13570374	90.86%	4.700%
6	8.504	8.434	8.618	BB	1252011	13662645	91.47%	4.732%
7	10.111	10.074	10.221	BB	1234885	14073092	94.22%	4.874%
8	11.554	11.510	11.624	PV	1196443	14160630	94.81%	4.904%
9	11.874	11.821	11.978	BV	1305138	14935989	100.00%	5.173%
10	12.861	12.778	12.944	BB	1141004	13543211	90.68%	4.691%
11	13.307	13.228	13.391	BV	945279	11405346	76.36%	3.950%
12	13.472	13.428	13.561	PB	1054961	13270780	88.85%	4.596%
13	14.058	14.021	14.158	VB	1044935	13205478	88.41%	4.574%
14	15.160	15.071	15.258	BB	1007834	13226380	88.55%	4.581%
15	16.179	16.084	16.278	BB	960164	13147754	88.03%	4.554%
16	17.129	17.051	17.231	BB	966376	13198270	88.37%	4.571%
17	18.016	17.928	18.094	PB	987186	13716170	91.83%	4.750%
18	18.847	18.801	18.921	BB	942433	13640074	91.32%	4.724%
19	19.629	19.561	19.714	BB	849738	12565721	84.13%	4.352%
20	20.368	20.321	20.409	BBA	745438	11275380	75.49%	3.905%
21	21.094	21.021	21.199	BBA	598100	10872225	72.79%	3.765%
22	21.983	21.861	22.099	BBA	399118	10163259	68.05%	3.520%
			Sum of corrected areas:			288734494		

Aliphatic EPH 100824.M Mon Oct 07 16:35:00 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050536.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:36
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 07 15:51:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:51:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.869	7668467	49.909 ug/ml
Spiked Amount	50.000		Recovery =	99.82%
12) S	1-chlorooctadecane (S...	13.302	5839164	50.036 ug/ml
Spiked Amount	50.000		Recovery =	100.07%
	Target Compounds			
1) T	n-Nonane (C9)	3.254	6949960	50.501 ug/ml
2) T	n-Decane (C10)	4.505	7054723	50.395 ug/ml
3) T	A~Naphthalene (C11.7)	6.215	7328645	50.738 ug/ml
4) T	n-Dodecane (C12)	6.673	7067889	50.251 ug/ml
5) T	A~2-methylnaphthalene...	7.311	6885410	50.712 ug/ml
6) T	n-Tetradecane (C14)	8.500	6999728	50.107 ug/ml
7) T	n-Hexadecane (C16)	10.106	7245055	50.220 ug/ml
8) T	n-Octadecane (C18)	11.549	7346700	50.352 ug/ml
10) T	n-Eicosane (C20)	12.857	7008593	50.171 ug/ml
11) T	n-Heneicosane (C21)	13.467	6848025	50.067 ug/ml
13) T	n-Docosane (C22)	14.053	6831662	50.043 ug/ml
14) T	n-Tetracosane (C24)	15.155	6893925	50.282 ug/ml
15) T	n-Hexacosane (C26)	16.174	6879086	50.352 ug/ml
16) T	n-Octacosane (C28)	17.123	6976327	50.252 ug/ml
17) T	n-Tricontane (C30)	18.011	7324087	49.661 ug/ml
18) T	n-Dotriacontane (C32)	18.842	7246744	49.144 ug/ml
19) T	n-Tetratriacontane (C34)	19.624	6582481	48.875 ug/ml
20) T	n-Hexatriacontane (C36)	20.364	5833635	49.085 ug/ml
21) T	n-Octatriacontane (C38)	21.090	5653192	49.036 ug/ml
22) T	n-Tetracontane (C40)	21.980	5454826	49.901 ug/ml

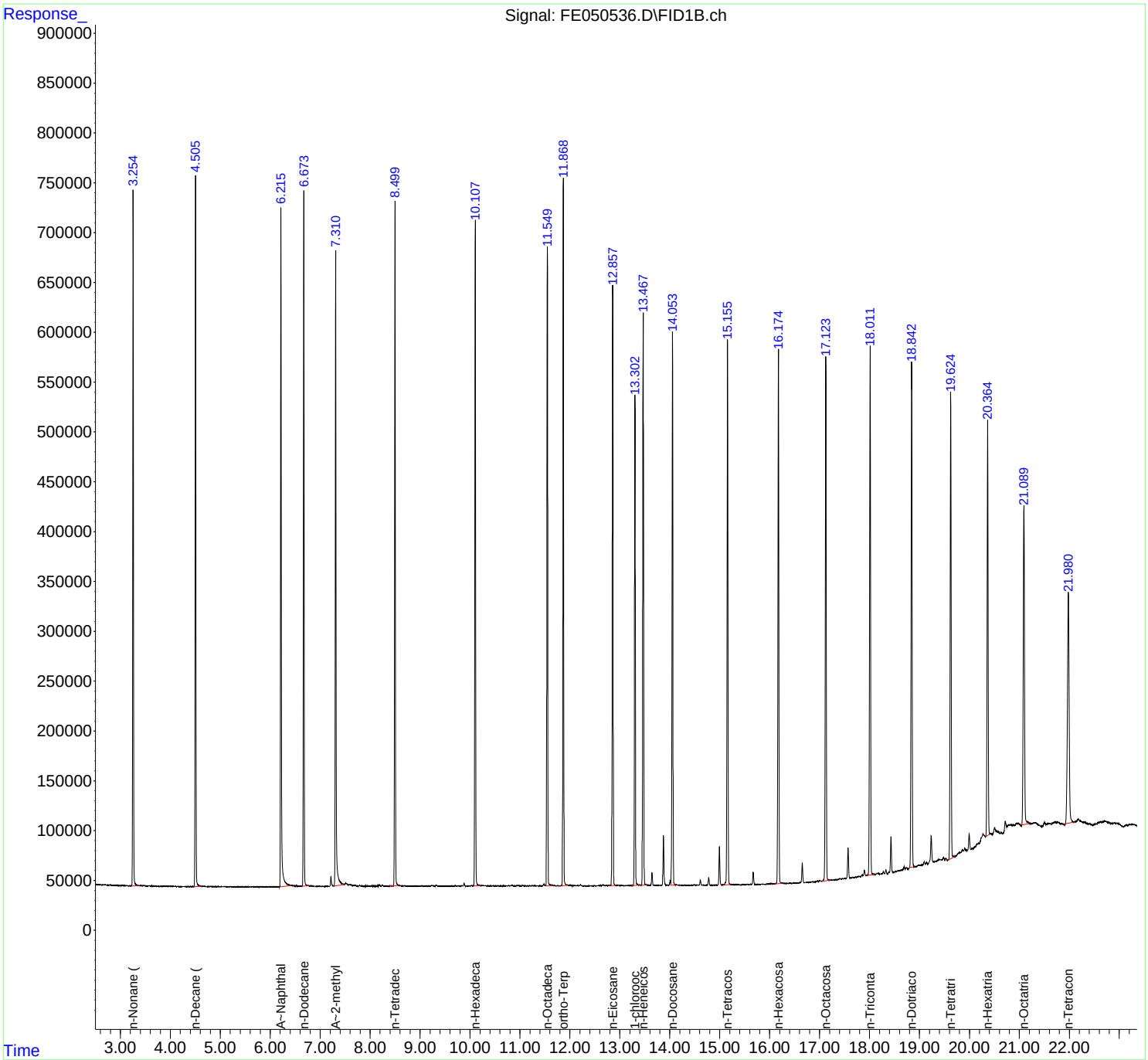
(f)=RT Delta > 1/2 Window (m)=manual int.

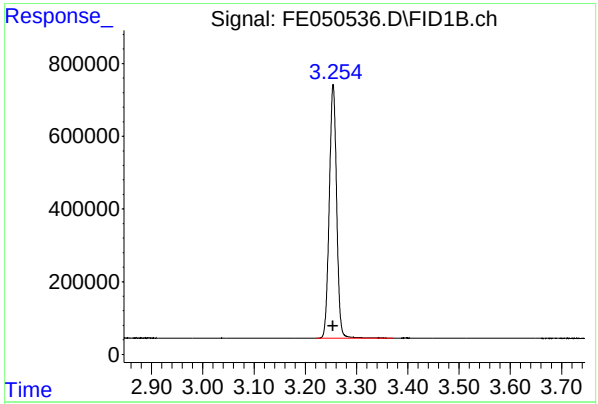
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050536.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:36
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 07 15:51:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:51:32 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

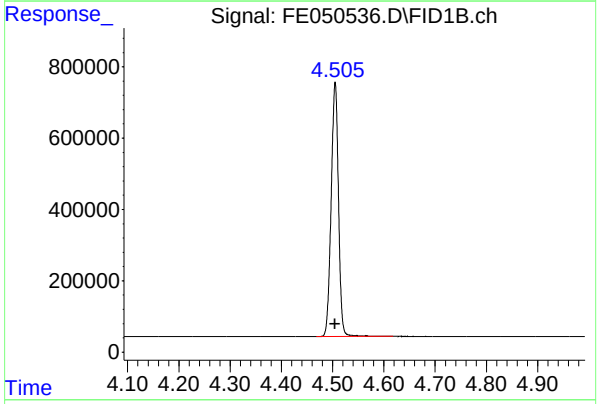




#1 n-Nonane (C9)

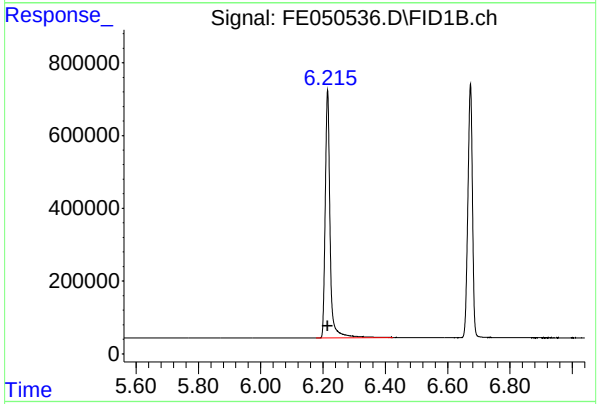
R.T.: 3.254 min
Delta R.T.: 0.000 min
Response: 6949960
Conc: 50.50 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



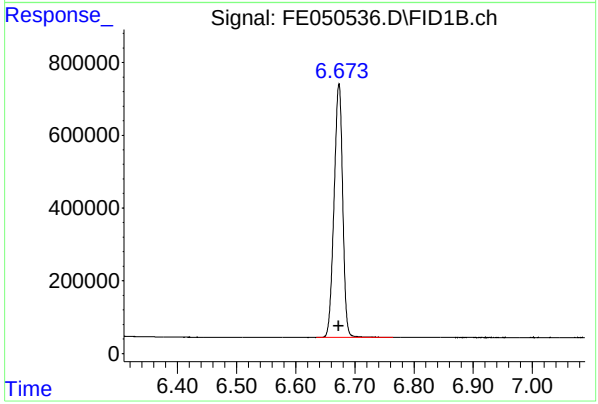
#2 n-Decane (C10)

R.T.: 4.505 min
Delta R.T.: 0.000 min
Response: 7054723
Conc: 50.40 ug/ml



#3 A~Naphthalene (C11.7)

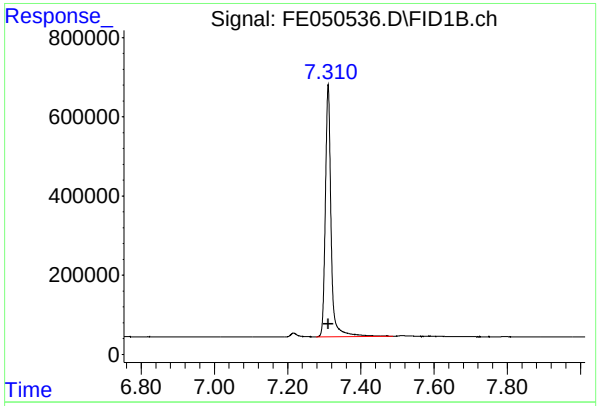
R.T.: 6.215 min
Delta R.T.: 0.000 min
Response: 7328645
Conc: 50.74 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.673 min
Delta R.T.: 0.000 min
Response: 7067889
Conc: 50.25 ug/ml

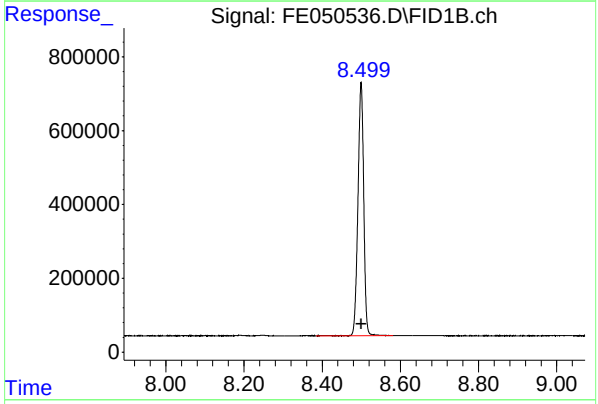
A
B
C
D
E
F



#5 A~2-methylnaphthalene (C12.89)

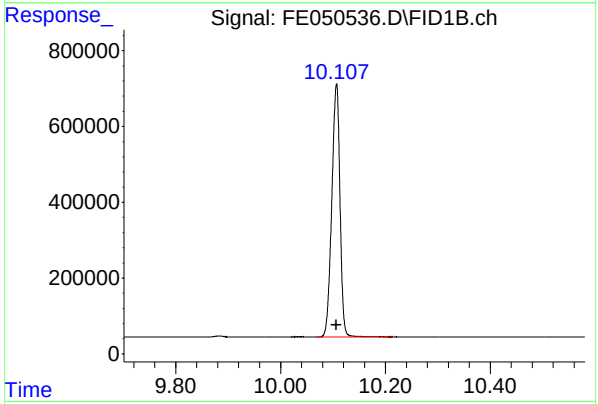
R.T.: 7.311 min
Delta R.T.: 0.000 min
Response: 6885410
Conc: 50.71 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



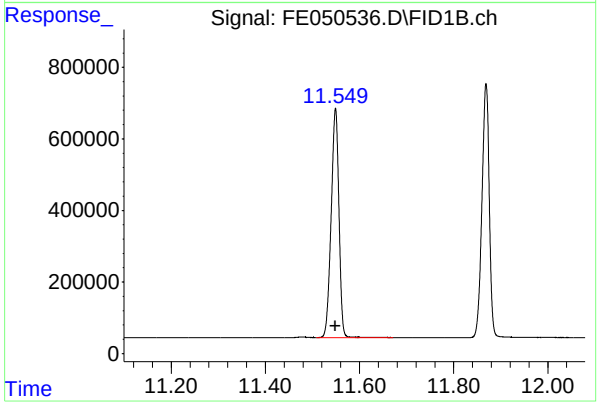
#6 n-Tetradecane (C14)

R.T.: 8.500 min
Delta R.T.: 0.000 min
Response: 6999728
Conc: 50.11 ug/ml



#7 n-Hexadecane (C16)

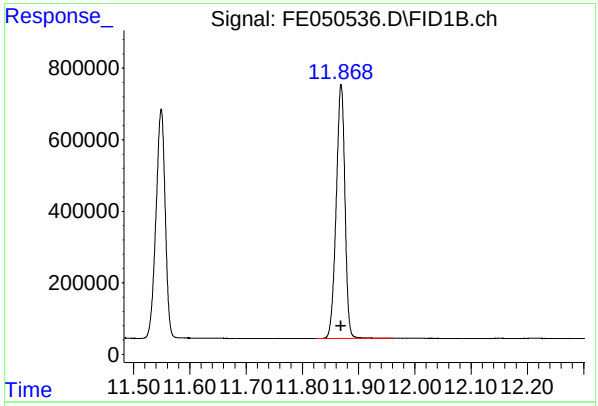
R.T.: 10.106 min
Delta R.T.: 0.000 min
Response: 7245055
Conc: 50.22 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.549 min
Delta R.T.: 0.000 min
Response: 7346700
Conc: 50.35 ug/ml

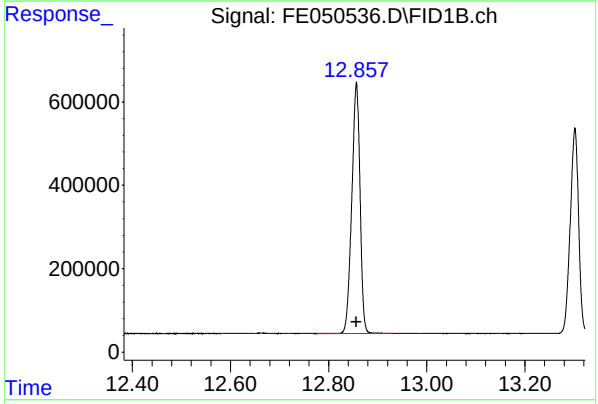
A
B
C
D
E
F



#9 ortho-Terphenyl (SURR)

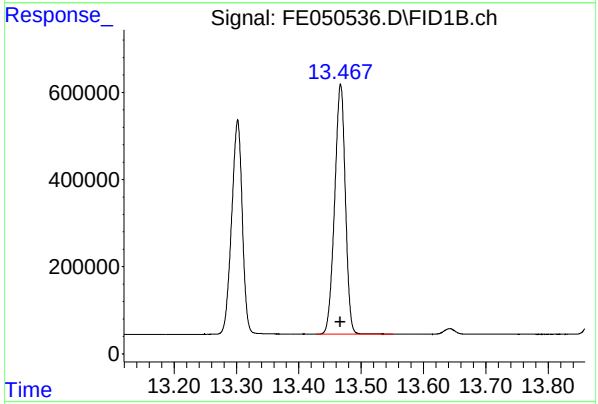
R.T.: 11.869 min
Delta R.T.: 0.000 min
Response: 7668467
Conc: 49.91 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



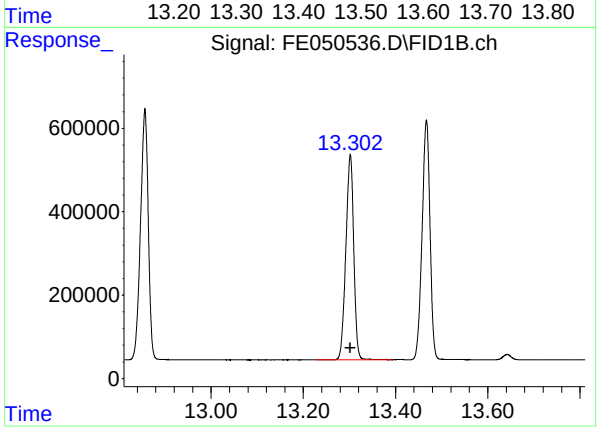
#10 n-Eicosane (C20)

R.T.: 12.857 min
Delta R.T.: 0.000 min
Response: 7008593
Conc: 50.17 ug/ml



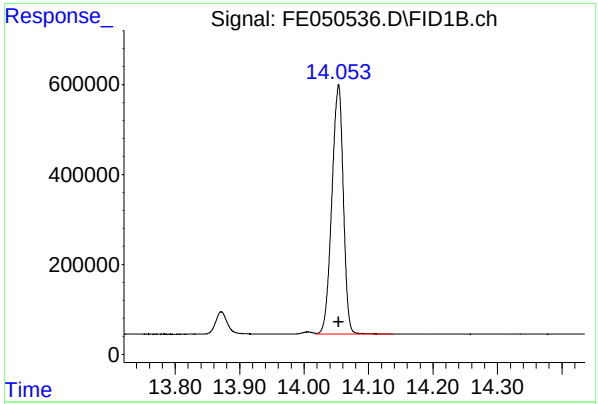
#11 n-Heneicosane (C21)

R.T.: 13.467 min
Delta R.T.: 0.000 min
Response: 6848025
Conc: 50.07 ug/ml



#12 1-chlorooctadecane (SURR)

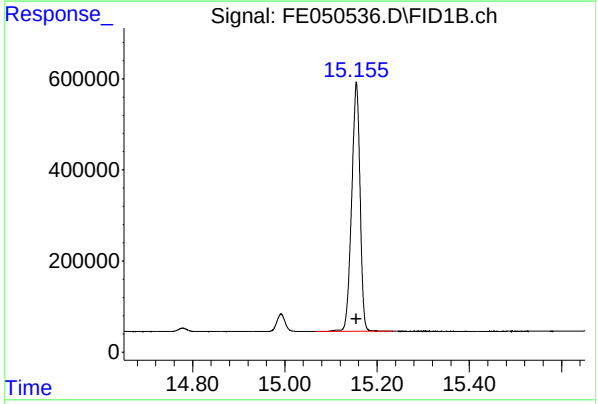
R.T.: 13.302 min
Delta R.T.: 0.000 min
Response: 5839164
Conc: 50.04 ug/ml



#13 n-Docosane (C22)

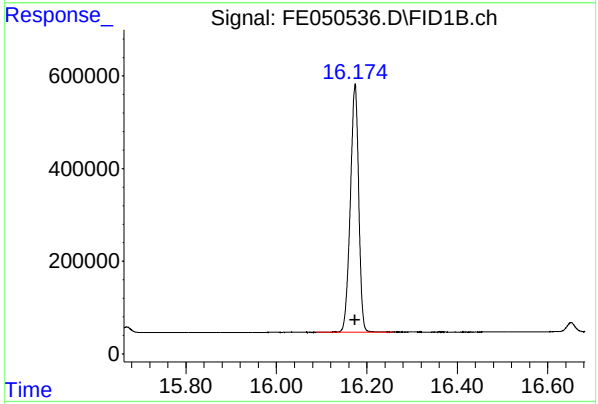
R.T.: 14.053 min
Delta R.T.: 0.000 min
Response: 6831662
Conc: 50.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



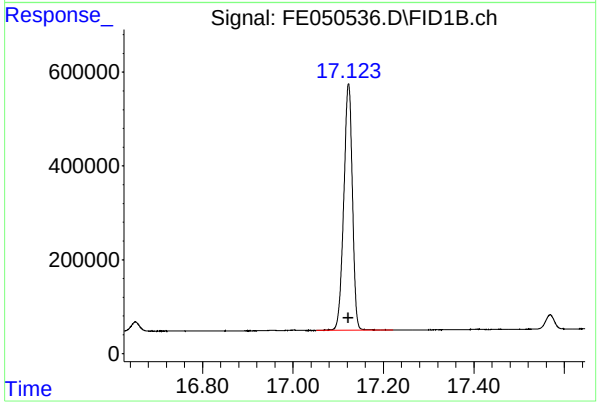
#14 n-Tetracosane (C24)

R.T.: 15.155 min
Delta R.T.: 0.000 min
Response: 6893925
Conc: 50.28 ug/ml



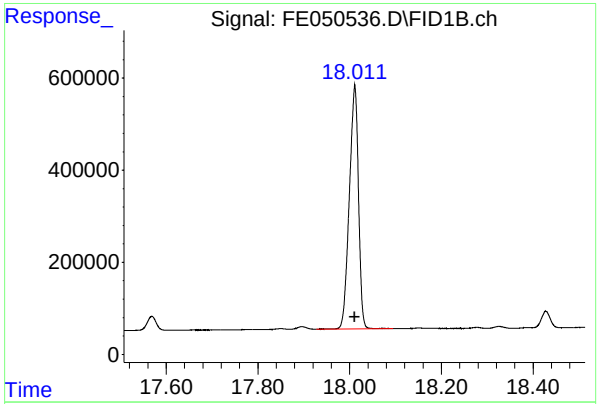
#15 n-Hexacosane (C26)

R.T.: 16.174 min
Delta R.T.: 0.000 min
Response: 6879086
Conc: 50.35 ug/ml



#16 n-Octacosane (C28)

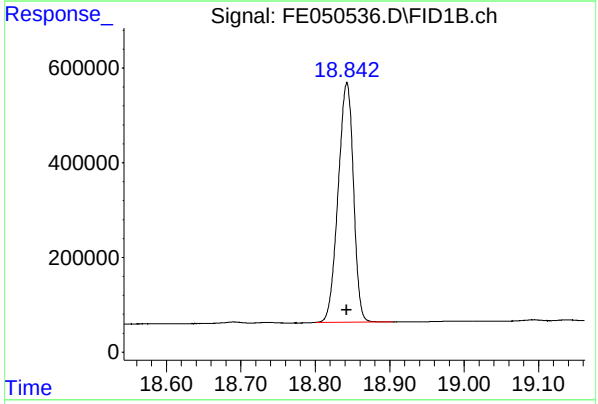
R.T.: 17.123 min
Delta R.T.: 0.000 min
Response: 6976327
Conc: 50.25 ug/ml



#17 n-Tricontane (C30)

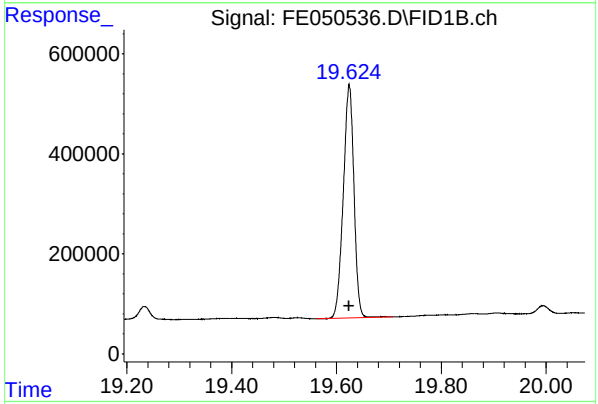
R.T.: 18.011 min
Delta R.T.: 0.000 min
Response: 7324087
Conc: 49.66 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



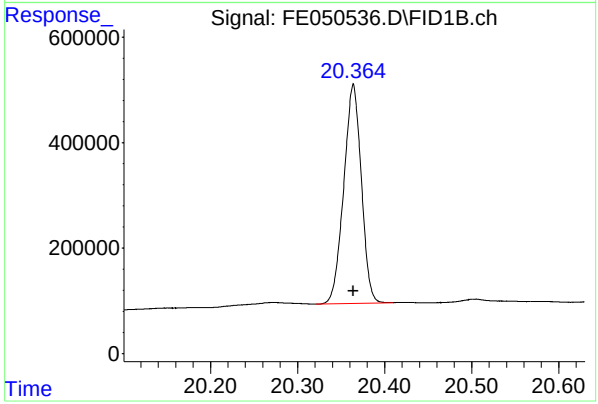
#18 n-Dotriacontane (C32)

R.T.: 18.842 min
Delta R.T.: 0.000 min
Response: 7246744
Conc: 49.14 ug/ml



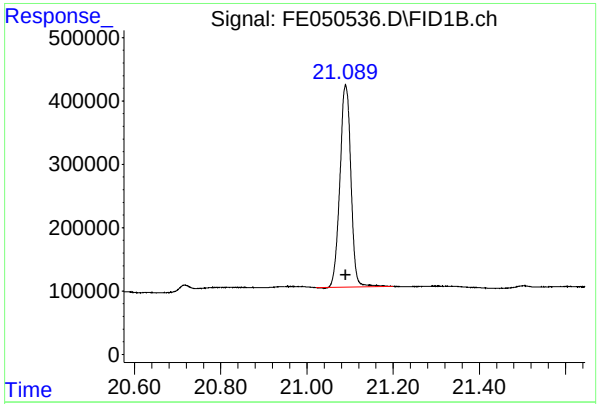
#19 n-Tetratriacontane (C34)

R.T.: 19.624 min
Delta R.T.: 0.000 min
Response: 6582481
Conc: 48.87 ug/ml



#20 n-Hexatriacontane (C36)

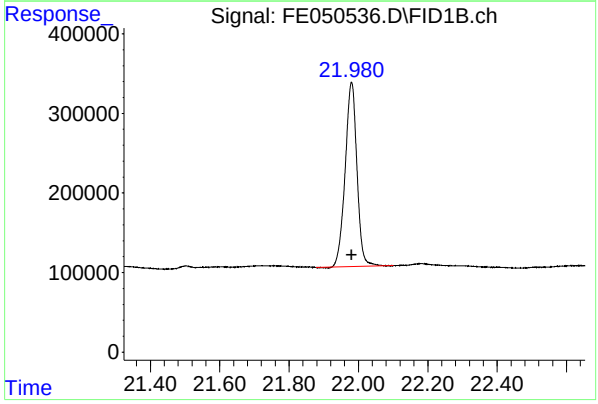
R.T.: 20.364 min
Delta R.T.: 0.000 min
Response: 5833635
Conc: 49.09 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.090 min
Delta R.T.: 0.000 min
Response: 5653192
Conc: 49.04 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.980 min
Delta R.T.: 0.000 min
Response: 5454826
Conc: 49.90 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050536.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 14:36
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.254	3.221	3.371	BB	696678	6949960	90.63%	4.636%
2	4.505	4.468	4.618	BB	709894	7054723	92.00%	4.706%
3	6.215	6.178	6.424	BB	680238	7328645	95.57%	4.888%
4	6.673	6.634	6.764	BB	704403	7067889	92.17%	4.714%
5	7.311	7.278	7.488	PV	637269	6885410	89.79%	4.593%
6	8.500	8.384	8.581	BB	683389	6999728	91.28%	4.669%
7	10.106	10.068	10.214	BB	676338	7245055	94.48%	4.833%
8	11.549	11.508	11.671	VB	636950	7346700	95.80%	4.900%
9	11.869	11.824	11.961	BB	709474	7668467	100.00%	5.115%
10	12.857	12.774	12.931	BB	601442	7008593	91.39%	4.675%
11	13.302	13.228	13.394	BB	488293	5839164	76.15%	3.895%
12	13.467	13.428	13.551	BB	574970	6848025	89.30%	4.568%
13	14.053	14.018	14.138	VB	559199	6831662	89.09%	4.557%
14	15.155	15.068	15.234	BB	545336	6893925	89.90%	4.598%
15	16.174	16.088	16.258	BB	536276	6879086	89.71%	4.589%
16	17.123	17.051	17.221	BB	528256	6976327	90.97%	4.653%
17	18.011	17.927	18.094	PB	529796	7324087	95.51%	4.885%
18	18.842	18.801	18.904	BB	503954	7246744	94.50%	4.834%
19	19.624	19.561	19.708	BB	466127	6582481	85.84%	4.391%
20	20.364	20.321	20.409	BBA	415446	5833635	76.07%	3.891%
21	21.090	21.021	21.199	BBA	318153	5653192	73.72%	3.771%
22	21.980	21.878	22.099	BBA	231697	5454826	71.13%	3.639%
			Sum of corrected areas:			149918324		

Aliphatic EPH 100824.M Mon Oct 07 16:35:43 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050537.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:06
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 07 15:48:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:48:28 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9)	S ortho-Terphenyl (SURR)	11.865	3164300	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12)	S 1-chlorooctadecane (S...	13.300	2385261	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1)	T n-Nonane (C9)	3.252	2802051	20.000 ug/ml
2)	T n-Decane (C10)	4.503	2852963	20.000 ug/ml
3)	T A~Naphthalene (C11.7)	6.214	2863853	20.000 ug/ml
4)	T n-Dodecane (C12)	6.671	2862396	20.000 ug/ml
5)	T A~2-methylnaphthalene...	7.310	2678310	20.000 ug/ml
6)	T n-Tetradecane (C14)	8.498	2849272	20.000 ug/ml
7)	T n-Hexadecane (C16)	10.103	2943356	20.000 ug/ml
8)	T n-Octadecane (C18)	11.546	2983567	20.000 ug/ml
10)	T n-Eicosane (C20)	12.853	2869562	20.000 ug/ml
11)	T n-Heneicosane (C21)	13.465	2813281	20.000 ug/ml
13)	T n-Docosane (C22)	14.050	2817220	20.000 ug/ml
14)	T n-Tetracosane (C24)	15.151	2823423	20.000 ug/ml
15)	T n-Hexacosane (C26)	16.171	2816031	20.000 ug/ml
16)	T n-Octacosane (C28)	17.120	2899395	20.000 ug/ml
17)	T n-Tricontane (C30)	18.007	3176058	20.000 ug/ml
18)	T n-Dotriacontane (C32)	18.840	3220879	20.000 ug/ml
19)	T n-Tetratriacontane (C34)	19.621	2934710	20.000 ug/ml
20)	T n-Hexatriacontane (C36)	20.361	2542299	20.000 ug/ml
21)	T n-Octatriacontane (C38)	21.086	2481528	20.000 ug/ml
22)	T n-Tetracontane (C40)	21.974	2344203	20.000 ug/ml

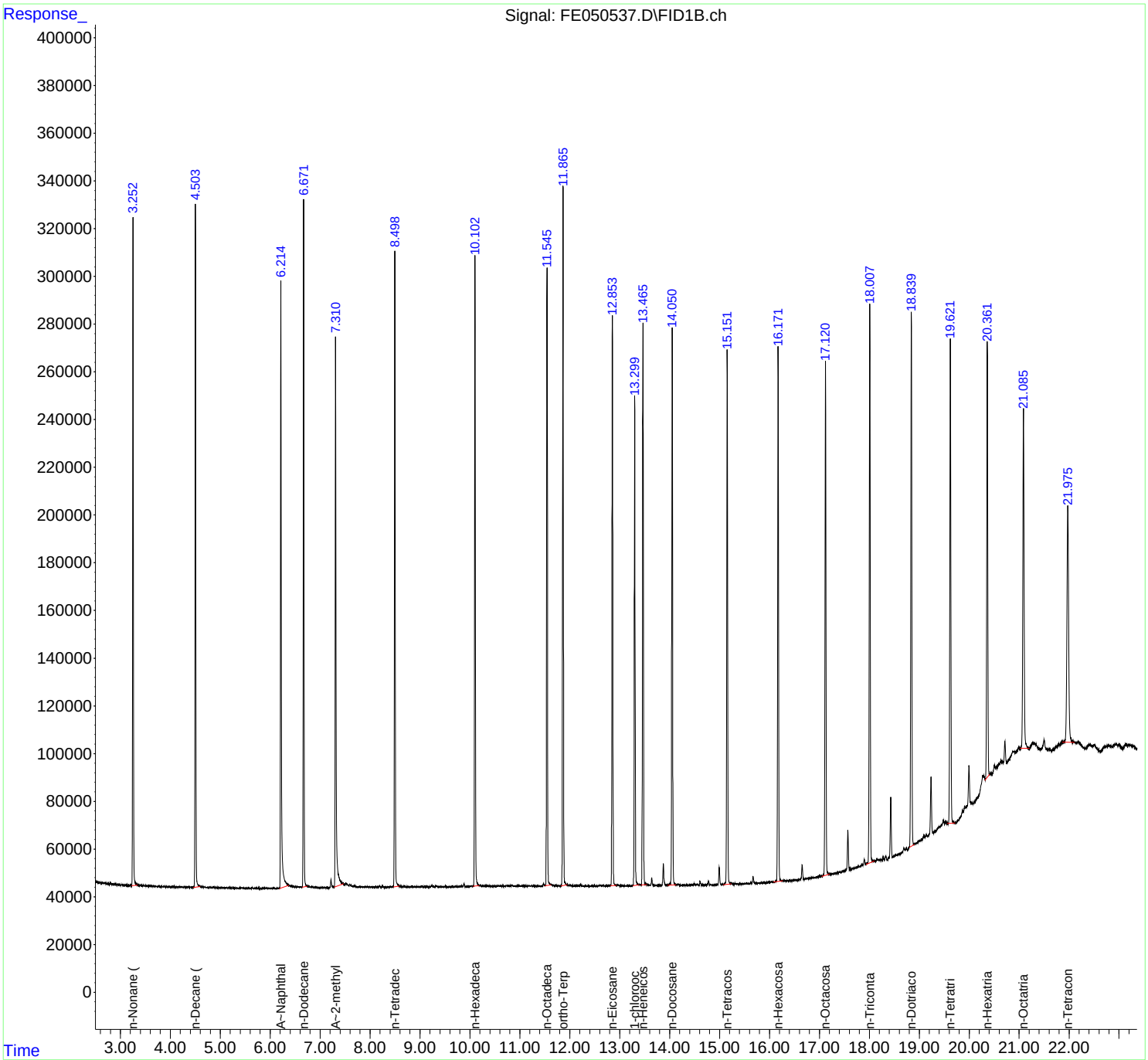
(f)=RT Delta > 1/2 Window (m)=manual int.

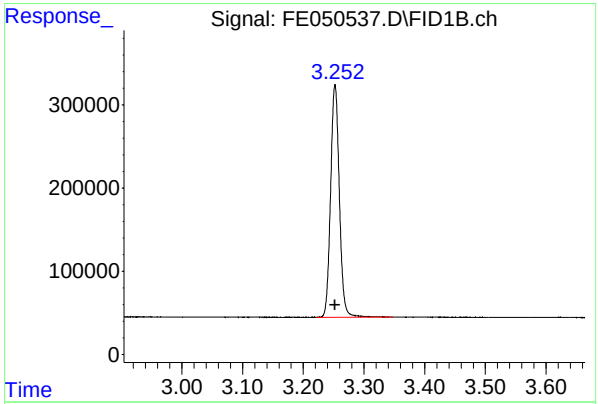
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050537.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:06
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 07 15:48:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 15:48:28 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

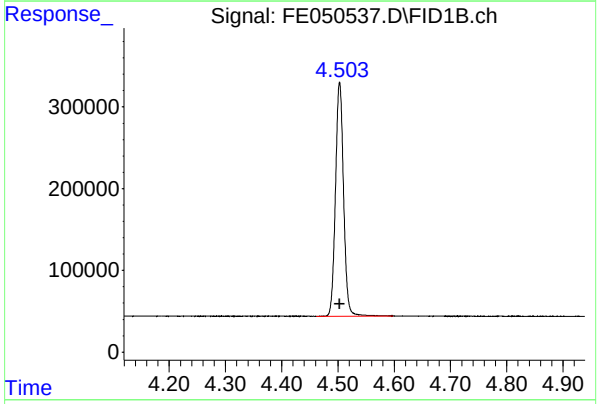




#1 n-Nonane (C9)

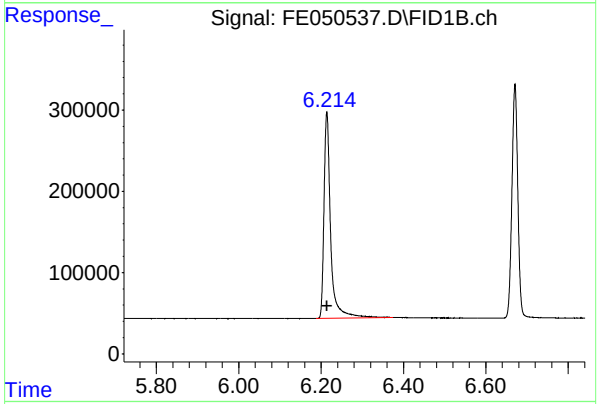
R.T.: 3.252 min
Delta R.T.: 0.000 min
Response: 2802051
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



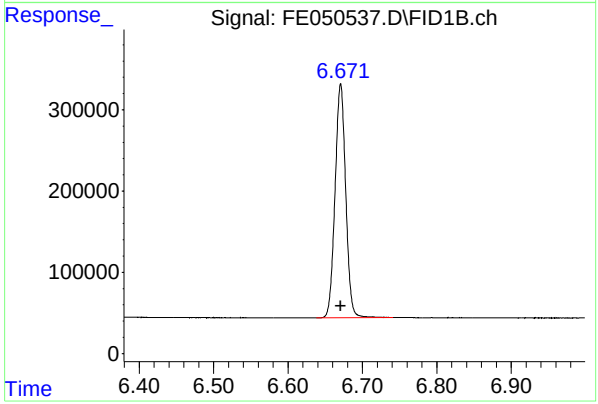
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 2852963
Conc: 20.00 ug/ml



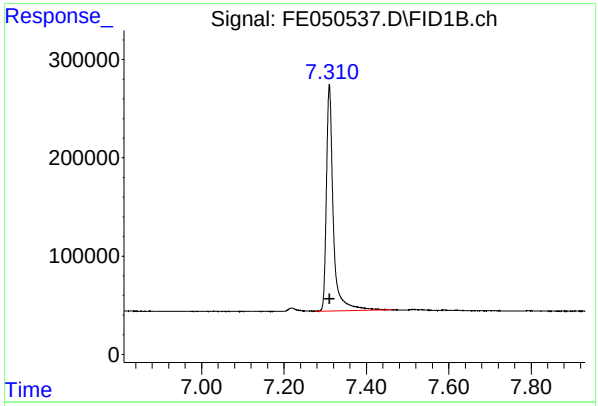
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: 0.000 min
Response: 2863853
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

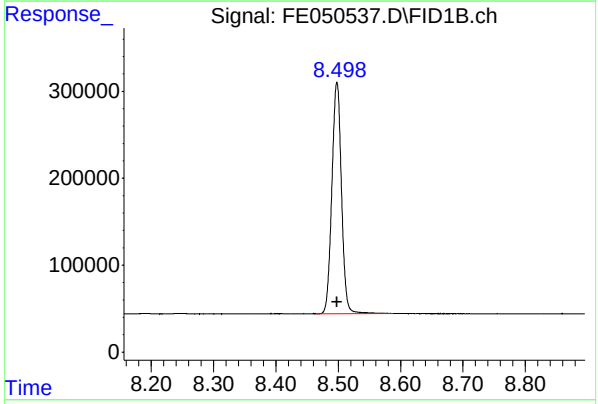
R.T.: 6.671 min
Delta R.T.: 0.000 min
Response: 2862396
Conc: 20.00 ug/ml



#5 A~2-methylnaphthalene (C12.89)

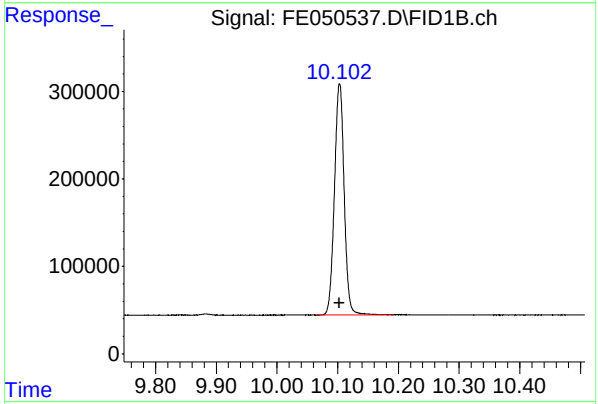
R.T.: 7.310 min
Delta R.T.: 0.000 min
Response: 2678310
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



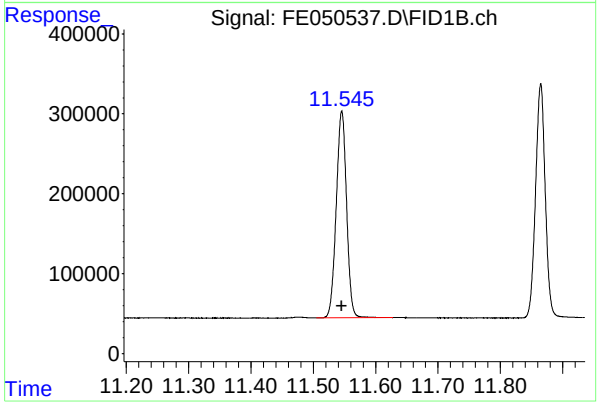
#6 n-Tetradecane (C14)

R.T.: 8.498 min
Delta R.T.: 0.000 min
Response: 2849272
Conc: 20.00 ug/ml



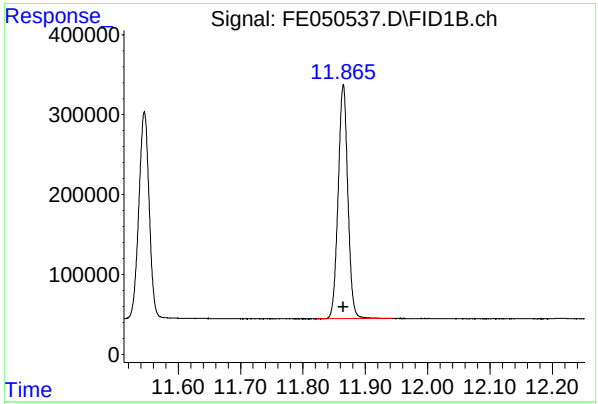
#7 n-Hexadecane (C16)

R.T.: 10.103 min
Delta R.T.: 0.000 min
Response: 2943356
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

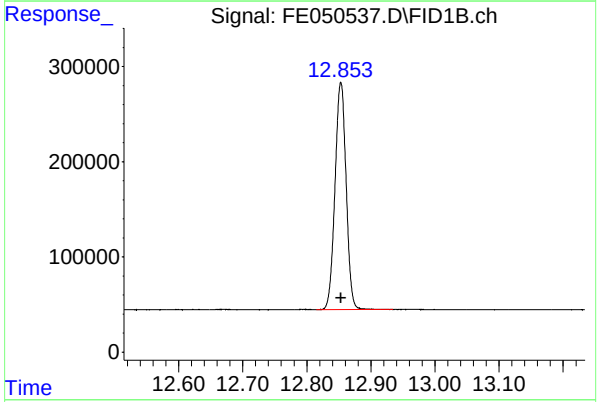
R.T.: 11.546 min
Delta R.T.: 0.000 min
Response: 2983567
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

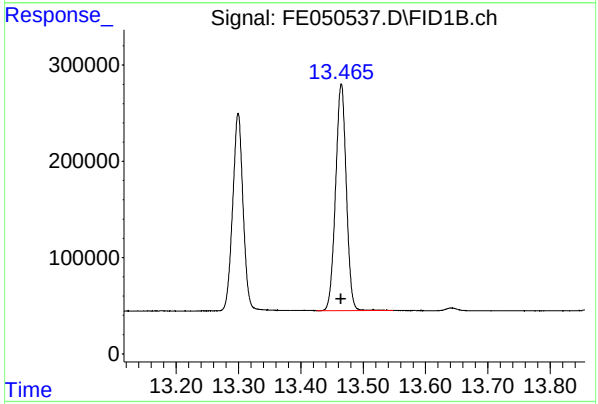
R.T.: 11.865 min
Delta R.T.: 0.000 min
Response: 3164300
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



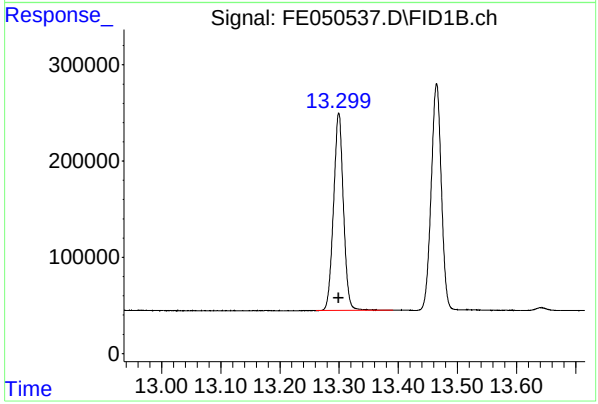
#10 n-Eicosane (C20)

R.T.: 12.853 min
Delta R.T.: 0.000 min
Response: 2869562
Conc: 20.00 ug/ml



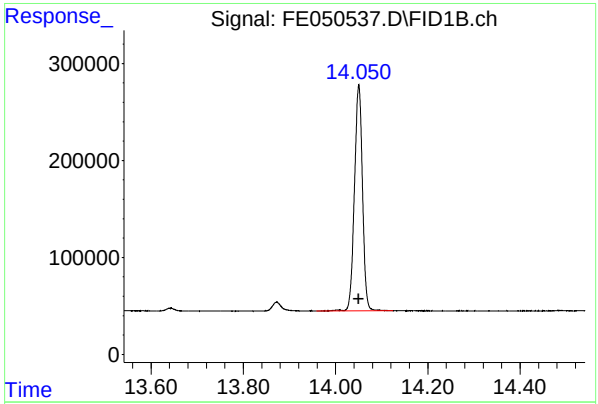
#11 n-Heneicosane (C21)

R.T.: 13.465 min
Delta R.T.: 0.000 min
Response: 2813281
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

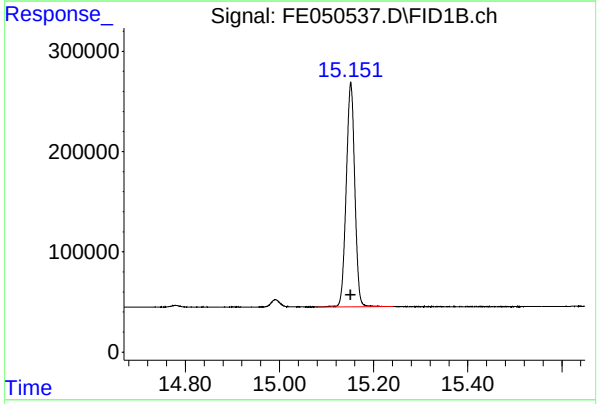
R.T.: 13.300 min
Delta R.T.: 0.000 min
Response: 2385261
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

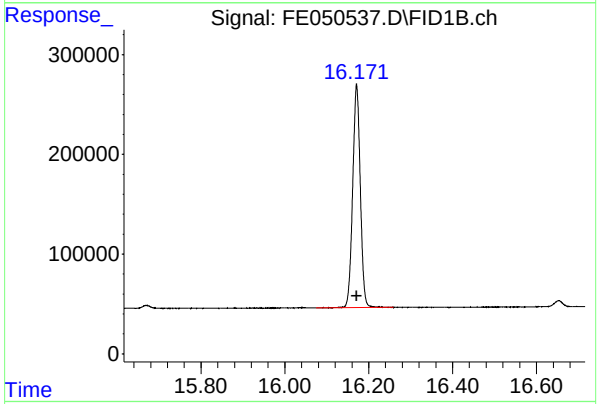
R.T.: 14.050 min
Delta R.T.: 0.000 min
Response: 2817220
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



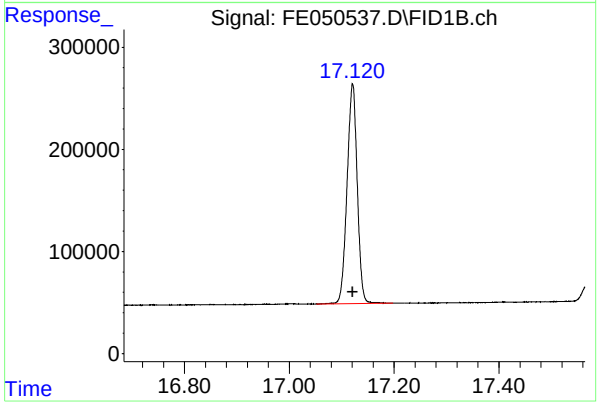
#14 n-Tetracosane (C24)

R.T.: 15.151 min
Delta R.T.: 0.000 min
Response: 2823423
Conc: 20.00 ug/ml



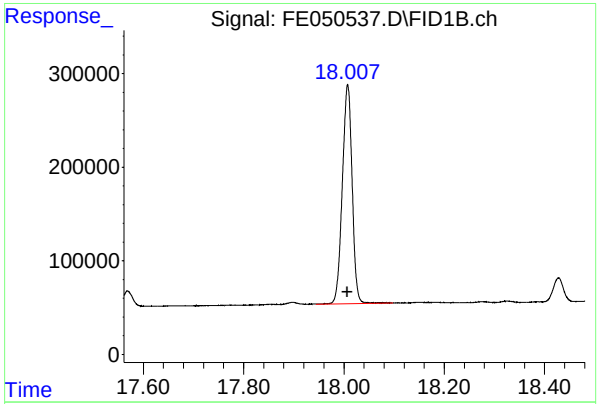
#15 n-Hexacosane (C26)

R.T.: 16.171 min
Delta R.T.: 0.000 min
Response: 2816031
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

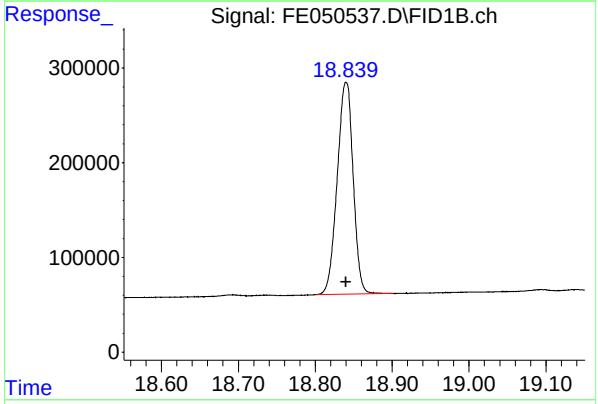
R.T.: 17.120 min
Delta R.T.: 0.000 min
Response: 2899395
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

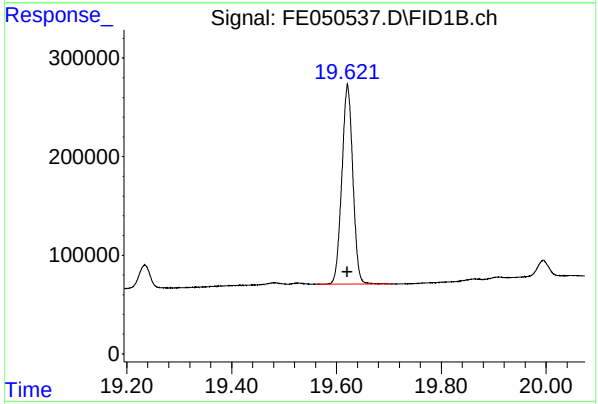
R.T.: 18.007 min
Delta R.T.: 0.000 min
Response: 3176058
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



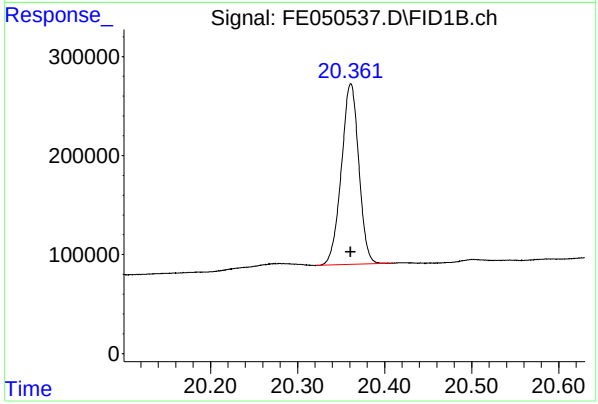
#18 n-Dotriacontane (C32)

R.T.: 18.840 min
Delta R.T.: 0.000 min
Response: 3220879
Conc: 20.00 ug/ml



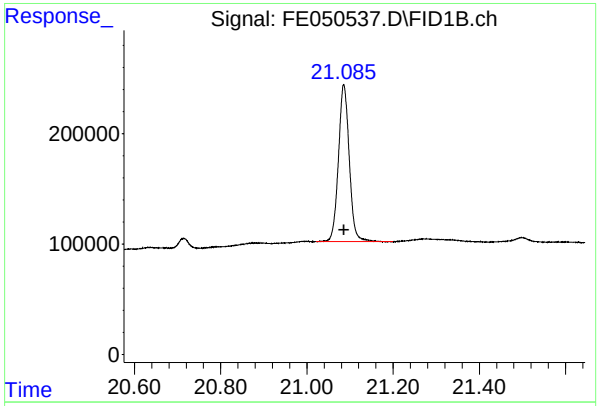
#19 n-Tetratriacontane (C34)

R.T.: 19.621 min
Delta R.T.: 0.000 min
Response: 2934710
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

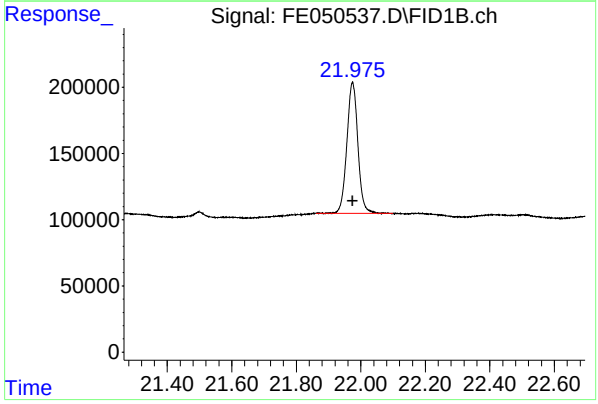
R.T.: 20.361 min
Delta R.T.: 0.000 min
Response: 2542299
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.086 min
Delta R.T.: 0.000 min
Response: 2481528
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.974 min
Delta R.T.: 0.000 min
Response: 2344203
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050537.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:06
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.252	3.221	3.348	BB	278890	2802051	87.00%	4.510%
2	4.503	4.461	4.598	BB	285202	2852963	88.58%	4.592%
3	6.214	6.188	6.374	BB	253669	2863853	88.92%	4.610%
4	6.671	6.638	6.741	BB	287721	2862396	88.87%	4.608%
5	7.310	7.278	7.464	BB	228423	2678310	83.15%	4.311%
6	8.498	8.464	8.588	BB	266356	2849272	88.46%	4.586%
7	10.103	10.064	10.191	BB	266110	2943356	91.38%	4.738%
8	11.546	11.504	11.628	BB	258038	2983567	92.63%	4.803%
9	11.865	11.821	11.944	BB	292339	3164300	98.24%	5.094%
10	12.853	12.814	12.934	BB	239829	2869562	89.09%	4.619%
11	13.300	13.261	13.391	BB	206276	2385261	74.06%	3.840%
12	13.465	13.424	13.548	BB	235274	2813281	87.35%	4.528%
13	14.050	13.958	14.124	BB	234213	2817220	87.47%	4.535%
14	15.151	15.078	15.241	BB	223761	2823423	87.66%	4.545%
15	16.171	16.074	16.258	BB	223622	2816031	87.43%	4.533%
16	17.120	17.051	17.198	BB	216983	2899395	90.02%	4.667%
17	18.007	17.944	18.098	BB	235301	3176058	98.61%	5.112%
18	18.840	18.801	18.901	BB	226230	3220879	100.00%	5.185%
19	19.621	19.561	19.708	BB	201438	2934710	91.12%	4.724%
20	20.361	20.321	20.409	BBA	182901	2542299	78.93%	4.092%
21	21.086	21.021	21.199	BBA	142625	2481528	77.05%	3.994%
22	21.974	21.861	22.099	BBA	99090	2344203	72.78%	3.773%
			Sum of corrected areas:			62123918		

Aliphatic EPH 100824.M Mon Oct 07 16:36:17 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050538.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:37
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 07 16:03:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:03:08 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024

A B C D E F

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.864	1598249	10.299 ug/ml
Spiked Amount	50.000		Recovery =	20.60%
12) S	1-chlorooctadecane (S...	13.298	1184740	10.114 ug/ml
Spiked Amount	50.000		Recovery =	20.23%
	Target Compounds			
1) T	n-Nonane (C9)	3.253	1429353	10.287 ug/ml
2) T	n-Decane (C10)	4.503	1451977	10.277 ug/ml
3) T	A~Naphthalene (C11.7)	6.215	1409508	9.818 ug/ml
4) T	n-Dodecane (C12)	6.670	1456013	10.262 ug/ml
5) T	A~2-methylnaphthalene...	7.311	1303112	9.695 ug/ml
6) T	n-Tetradecane (C14)	8.497	1444120	10.251 ug/ml
7) T	n-Hexadecane (C16)	10.103	1486117	10.224 ug/ml
8) T	n-Octadecane (C18)	11.544	1509351	10.256 ug/ml
10) T	n-Eicosane (C20)	12.852	1447741	10.270 ug/ml
11) T	n-Heneicosane (C21)	13.463	1422566	10.297 ug/ml
13) T	n-Docosane (C22)	14.049	1407717	10.232 ug/ml
14) T	n-Tetracosane (C24)	15.149	1417214	10.250 ug/ml
15) T	n-Hexacosane (C26)	16.170	1413994	10.260 ug/ml
16) T	n-Octacosane (C28)	17.118	1469893	10.435 ug/ml
17) T	n-Tricontane (C30)	18.006	1614246	10.693 ug/ml
18) T	n-Dotriacontane (C32)	18.837	1666044	10.943 ug/ml
19) T	n-Tetratriacontane (C34)	19.621	1525013	10.961 ug/ml
20) T	n-Hexatriacontane (C36)	20.359	1301715	10.698 ug/ml
21) T	n-Octatriacontane (C38)	21.086	1173667	10.191 ug/mlm
22) T	n-Tetracontane (C40)	21.971	1141383	10.327 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050538.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:37
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

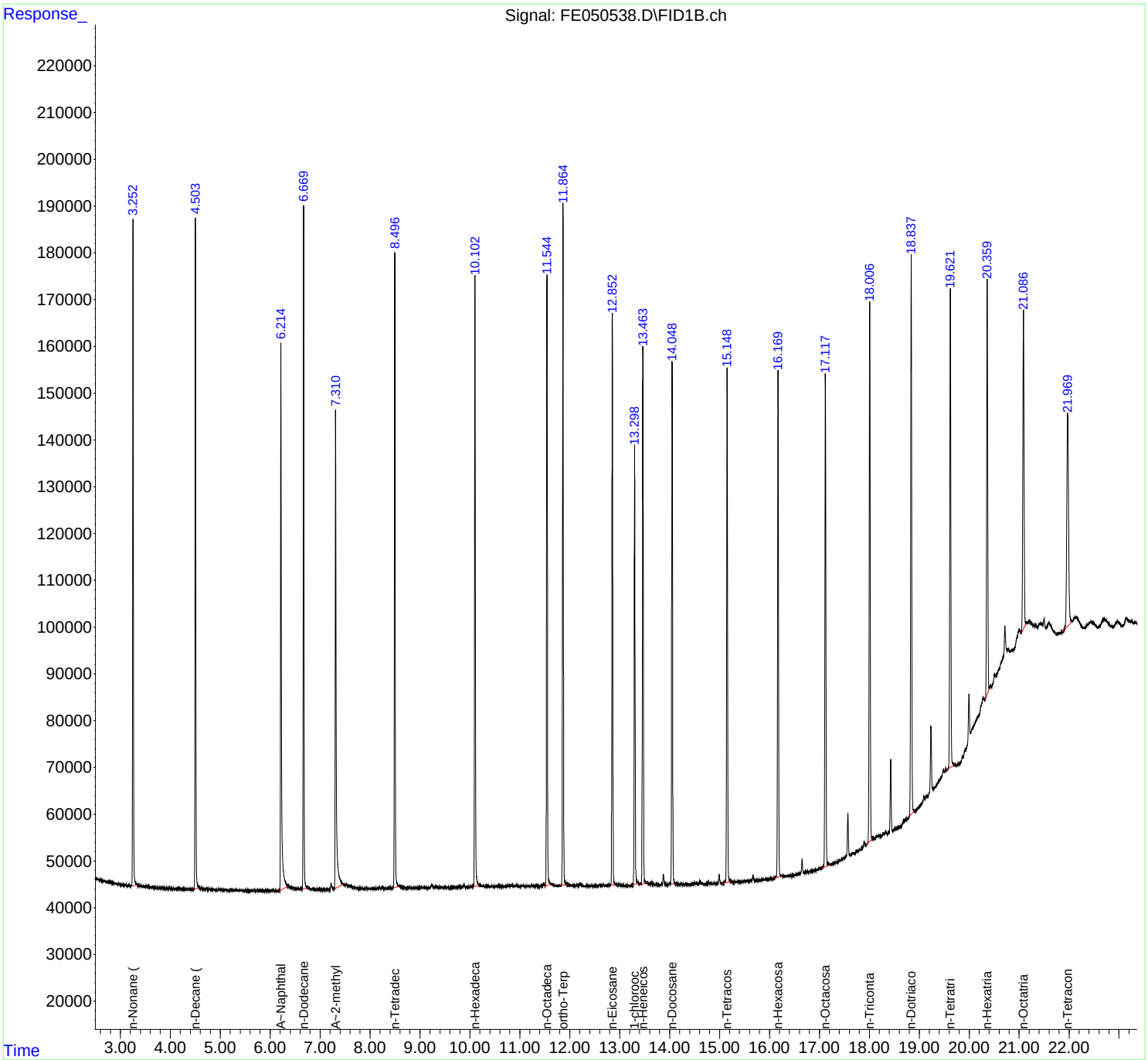
Integration File: autoint1.e
Quant Time: Oct 07 16:03:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:03:08 2024
Response via : Initial Calibration
Integrator: ChemStation

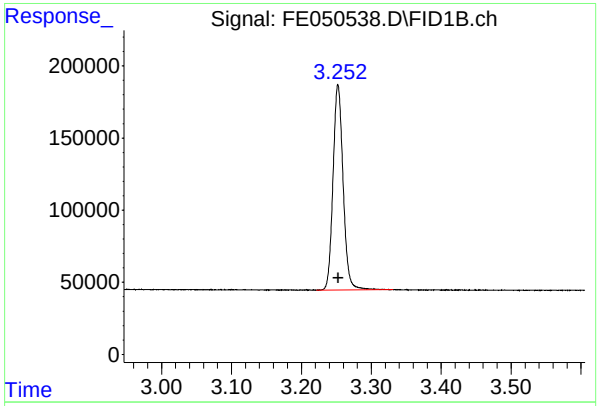
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024

A B C D E F





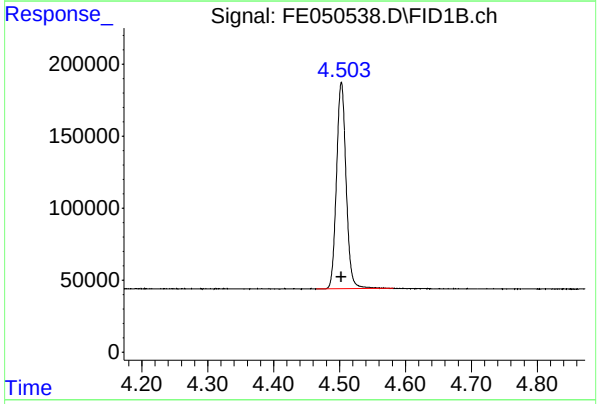
#1 n-Nonane (C9)

R.T.: 3.253 min
Delta R.T.: 0.000 min
Response: 1429353
Conc: 10.29 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

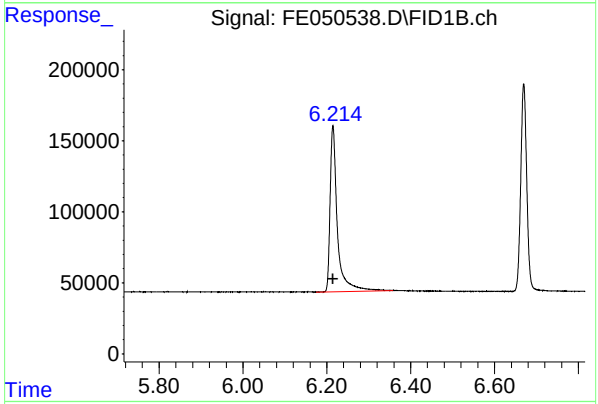
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



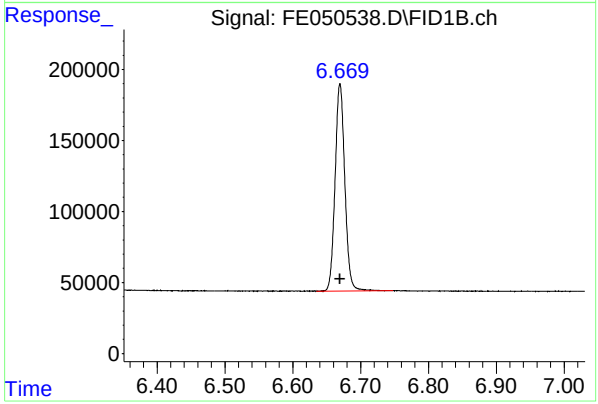
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 1451977
Conc: 10.28 ug/ml



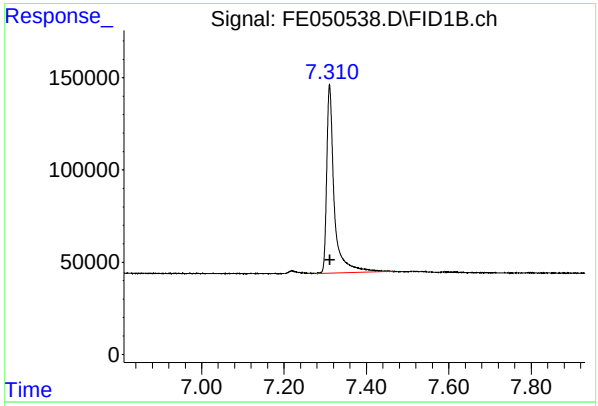
#3 A~Naphthalene (C11.7)

R.T.: 6.215 min
Delta R.T.: 0.000 min
Response: 1409508
Conc: 9.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 1456013
Conc: 10.26 ug/ml



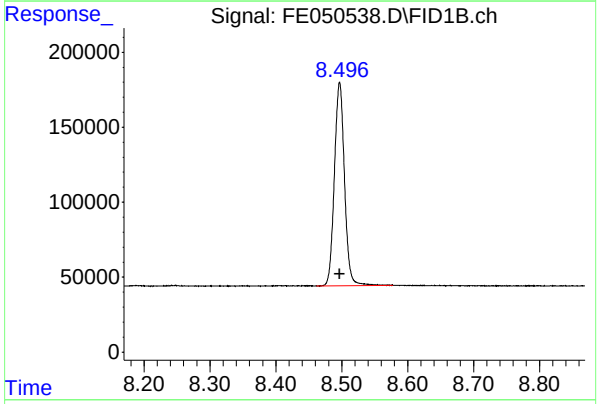
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.311 min
Delta R.T.: 0.000 min
Response: 1303112
Conc: 9.70 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

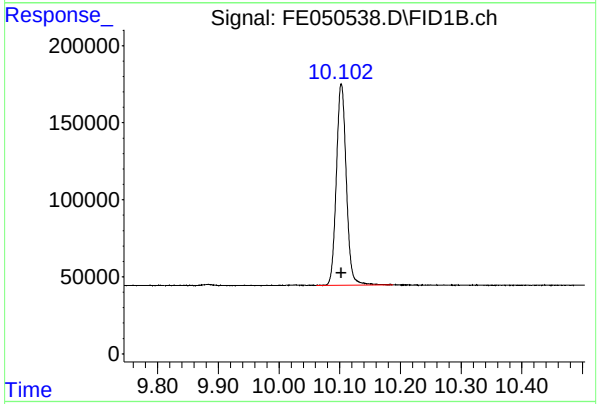
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



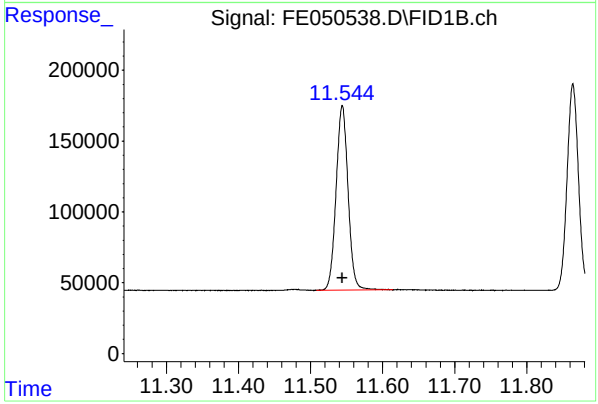
#6 n-Tetradecane (C14)

R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 1444120
Conc: 10.25 ug/ml



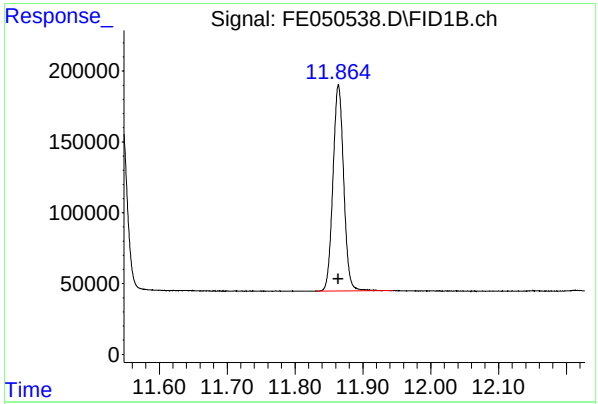
#7 n-Hexadecane (C16)

R.T.: 10.103 min
Delta R.T.: 0.000 min
Response: 1486117
Conc: 10.22 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.544 min
Delta R.T.: 0.000 min
Response: 1509351
Conc: 10.26 ug/ml



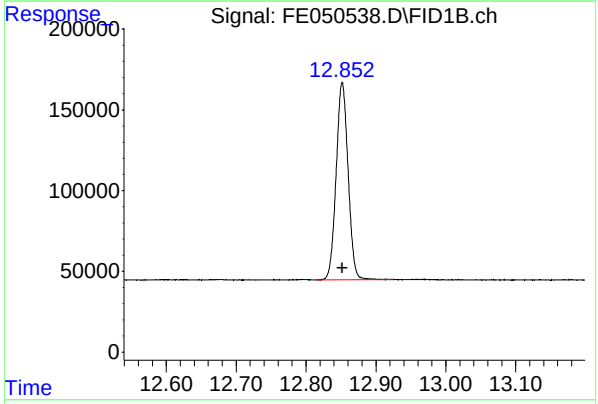
#9 ortho-Terphenyl (SURR)

R.T.: 11.864 min
Delta R.T.: 0.000 min
Response: 1598249
Conc: 10.30 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

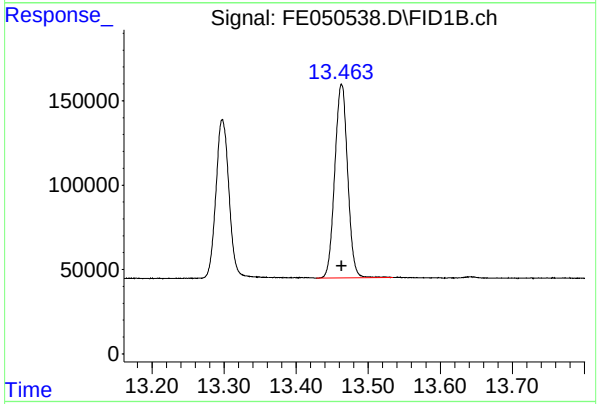
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



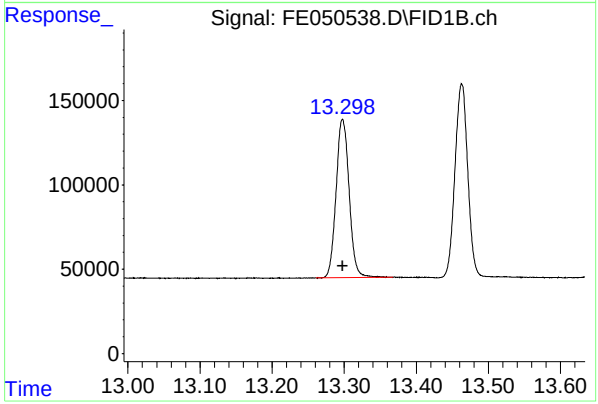
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: 0.000 min
Response: 1447741
Conc: 10.27 ug/ml



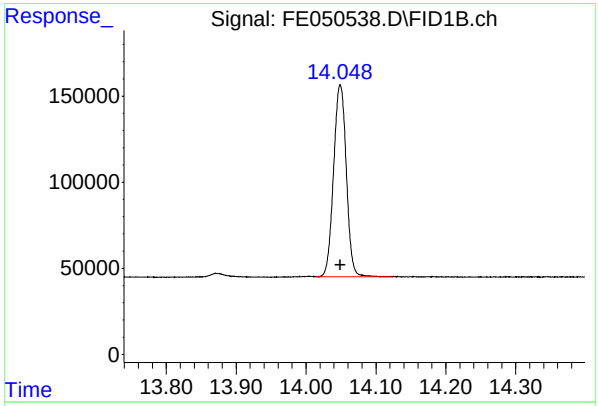
#11 n-Heneicosane (C21)

R.T.: 13.463 min
Delta R.T.: 0.000 min
Response: 1422566
Conc: 10.30 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.298 min
Delta R.T.: 0.000 min
Response: 1184740
Conc: 10.11 ug/ml



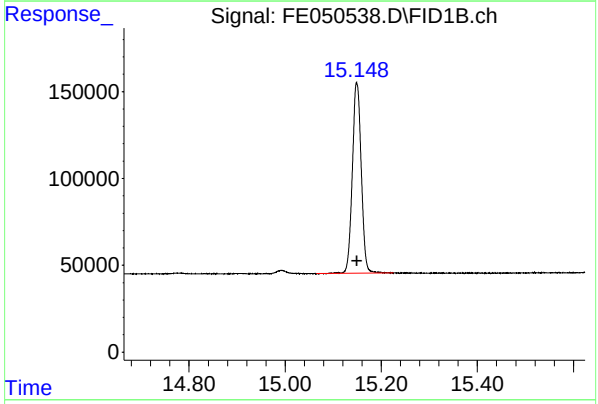
#13 n-Docosane (C22)

R.T.: 14.049 min
Delta R.T.: 0.000 min
Response: 1407717
Conc: 10.23 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

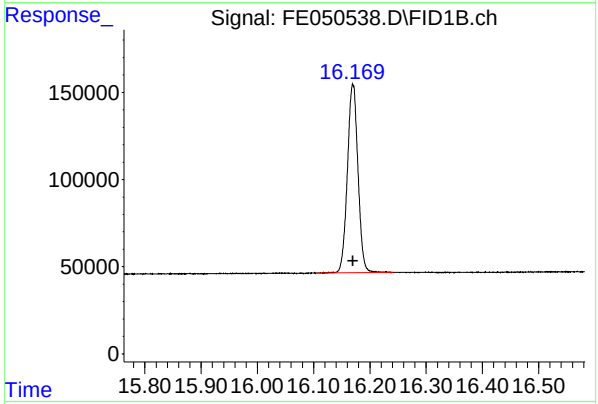
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



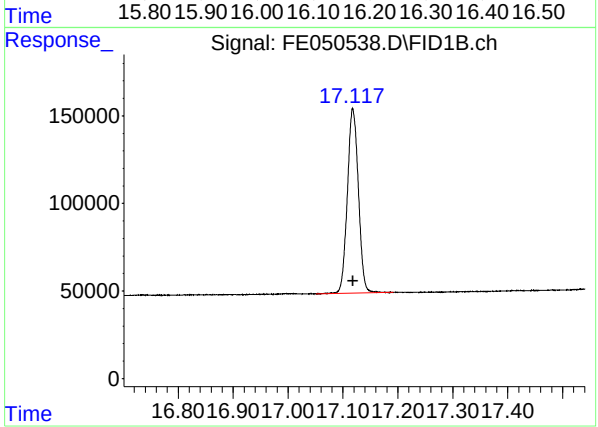
#14 n-Tetracosane (C24)

R.T.: 15.149 min
Delta R.T.: 0.000 min
Response: 1417214
Conc: 10.25 ug/ml



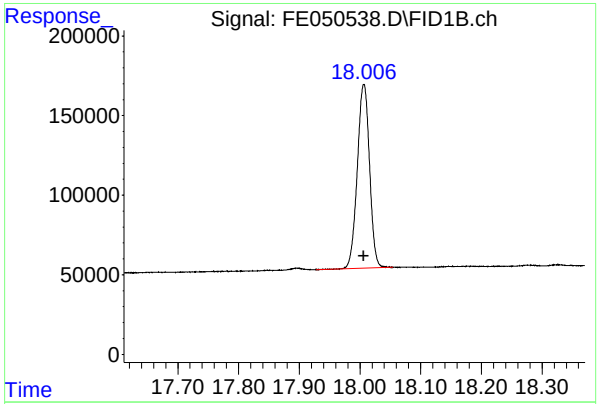
#15 n-Hexacosane (C26)

R.T.: 16.170 min
Delta R.T.: 0.000 min
Response: 1413994
Conc: 10.26 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.118 min
Delta R.T.: 0.000 min
Response: 1469893
Conc: 10.43 ug/ml



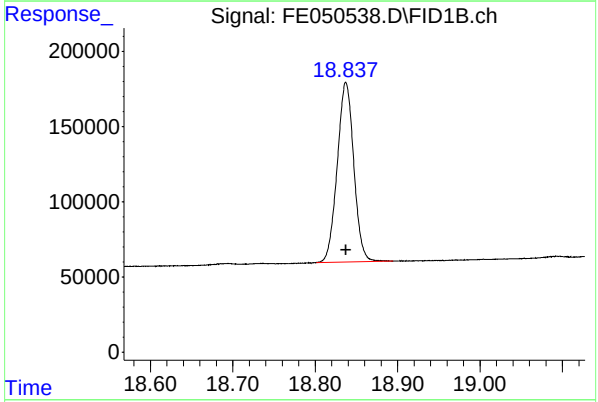
#17 n-Tricontane (C30)

R.T.: 18.006 min
Delta R.T.: 0.000 min
Response: 1614246
Conc: 10.69 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

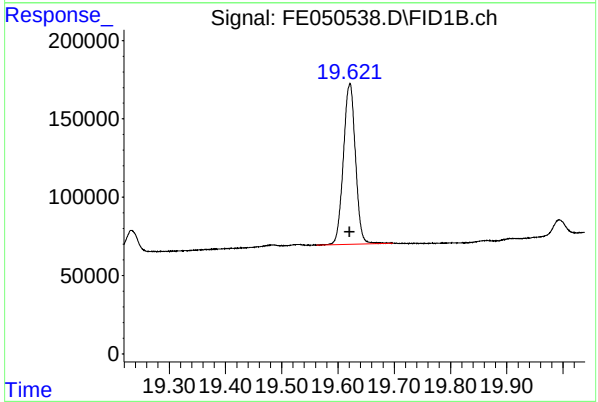
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



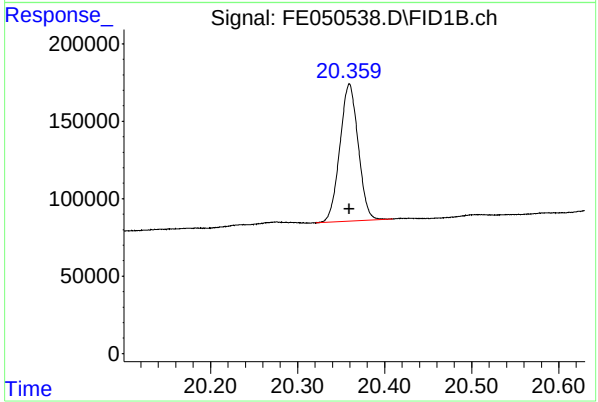
#18 n-Dotriacontane (C32)

R.T.: 18.837 min
Delta R.T.: 0.000 min
Response: 1666044
Conc: 10.94 ug/ml



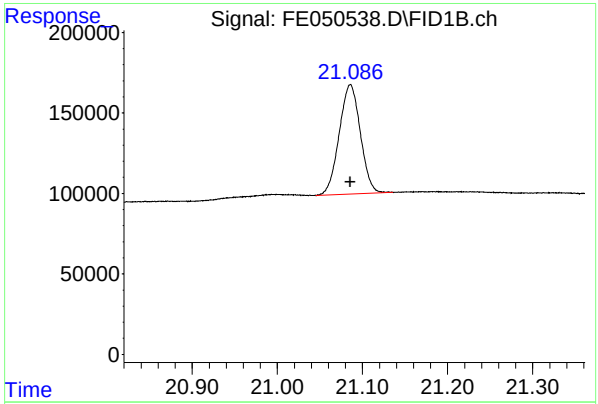
#19 n-Tetratriacontane (C34)

R.T.: 19.621 min
Delta R.T.: 0.000 min
Response: 1525013
Conc: 10.96 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.359 min
Delta R.T.: 0.000 min
Response: 1301715
Conc: 10.70 ug/ml



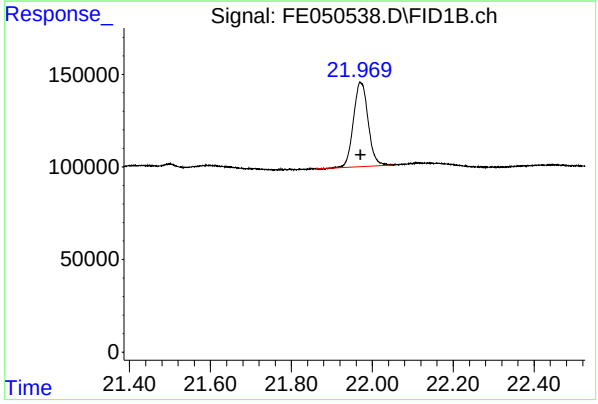
#21 n-Octatriacontane (C38)

R.T.: 21.086 min
Delta R.T.: 0.000 min
Response: 1173667
Conc: 10.19 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



#22 n-Tetracontane (C40)

R.T.: 21.971 min
Delta R.T.: 0.000 min
Response: 1141383
Conc: 10.33 ug/ml

Instrument :
FID_E
LabSampleId :
10 PPM ALIPHATIC HC STD4

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE10082
Data File : FE050538.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 15:37
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.253	3.221	3.331	BB	141842	1429353	85.79%	4.574%
2	4.503	4.464	4.581	BB	143204	1451977	87.15%	4.647%
3	6.215	6.174	6.358	BB	116535	1409508	84.60%	4.511%
4	6.670	6.634	6.748	BB	145347	1456013	87.39%	4.660%
5	7.311	7.278	7.464	BB	101321	1303112	78.22%	4.170%
6	8.497	8.461	8.578	BB	135582	1444120	86.68%	4.621%
7	10.103	10.061	10.188	BB	130078	1486117	89.20%	4.756%
8	11.544	11.508	11.614	BB	130433	1509351	90.59%	4.830%
9	11.864	11.831	11.944	BB	145215	1598249	95.93%	5.115%
10	12.852	12.814	12.924	BB	122059	1447741	86.90%	4.633%
11	13.298	13.261	13.368	BB	93873	1184740	71.11%	3.791%
12	13.463	13.428	13.534	BB	115675	1422566	85.39%	4.553%
13	14.049	14.014	14.124	BB	111578	1407717	84.49%	4.505%
14	15.149	15.064	15.224	BB	110566	1417214	85.06%	4.535%
15	16.170	16.104	16.241	BB	108964	1413994	84.87%	4.525%
16	17.118	17.051	17.191	BB	105302	1469893	88.23%	4.704%
17	18.006	17.928	18.054	BB	116031	1614246	96.89%	5.166%
18	18.837	18.801	18.894	BB	119499	1666044	100.00%	5.332%
19	19.621	19.561	19.698	BB	102286	1525013	91.53%	4.880%
20	20.359	20.321	20.409	BBA	88720	1301715	78.13%	4.166%
21	21.086	21.021	21.138	BB	67480	1147945	68.90%	3.674%
22	21.971	21.861	22.051	BV	45313	1141383	68.51%	3.653%
			Sum of corrected areas:			31248008		

Aliphatic EPH 100824.M Mon Oct 07 16:36:37 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050539.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:07
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024

Integration File: autoint1.e
Quant Time: Oct 07 16:31:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:31:21 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.863	837545	5.312 ug/ml
Spiked Amount	50.000		Recovery =	10.62%
12) S	1-chlorooctadecane (S...	13.298	614466	5.194 ug/ml
Spiked Amount	50.000		Recovery =	10.39%
	Target Compounds			
1) T	n-Nonane (C9)	3.254	753304	5.332 ug/ml
2) T	n-Decane (C10)	4.503	761079	5.305 ug/ml
3) T	A~Naphthalene (C11.7)	6.217	703385	4.919 ug/ml
4) T	n-Dodecane (C12)	6.670	760541	5.284 ug/ml
5) T	A~2-methylnaphthalene...	7.313	623807	4.709 ug/ml
6) T	n-Tetradecane (C14)	8.496	759193	5.307 ug/ml
7) T	n-Hexadecane (C16)	10.102	772180	5.247 ug/ml
8) T	n-Octadecane (C18)	11.544	790974	5.295 ug/ml
10) T	n-Eicosane (C20)	12.852	765738	5.340 ug/ml
11) T	n-Heneicosane (C21)	13.463	747887	5.326 ug/ml
13) T	n-Docosane (C22)	14.048	755779	5.387 ug/ml
14) T	n-Tetracosane (C24)	15.150	766754	5.427 ug/ml
15) T	n-Hexacosane (C26)	16.169	761614	5.412 ug/ml
16) T	n-Octacosane (C28)	17.117	840920	5.747 ug/ml
17) T	n-Tricontane (C30)	18.004	955708	6.011 ug/ml
18) T	n-Dotriacontane (C32)	18.837	1007931	6.217 ug/ml
19) T	n-Tetratriacontane (C34)	19.619	889564	6.056 ug/ml
20) T	n-Hexatriacontane (C36)	20.358	736787	5.810 ug/ml
21) T	n-Octatriacontane (C38)	21.084	775038	6.268 ug/ml
22) T	n-Tetracontane (C40)	21.969	573373	5.145 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050539.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:07
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

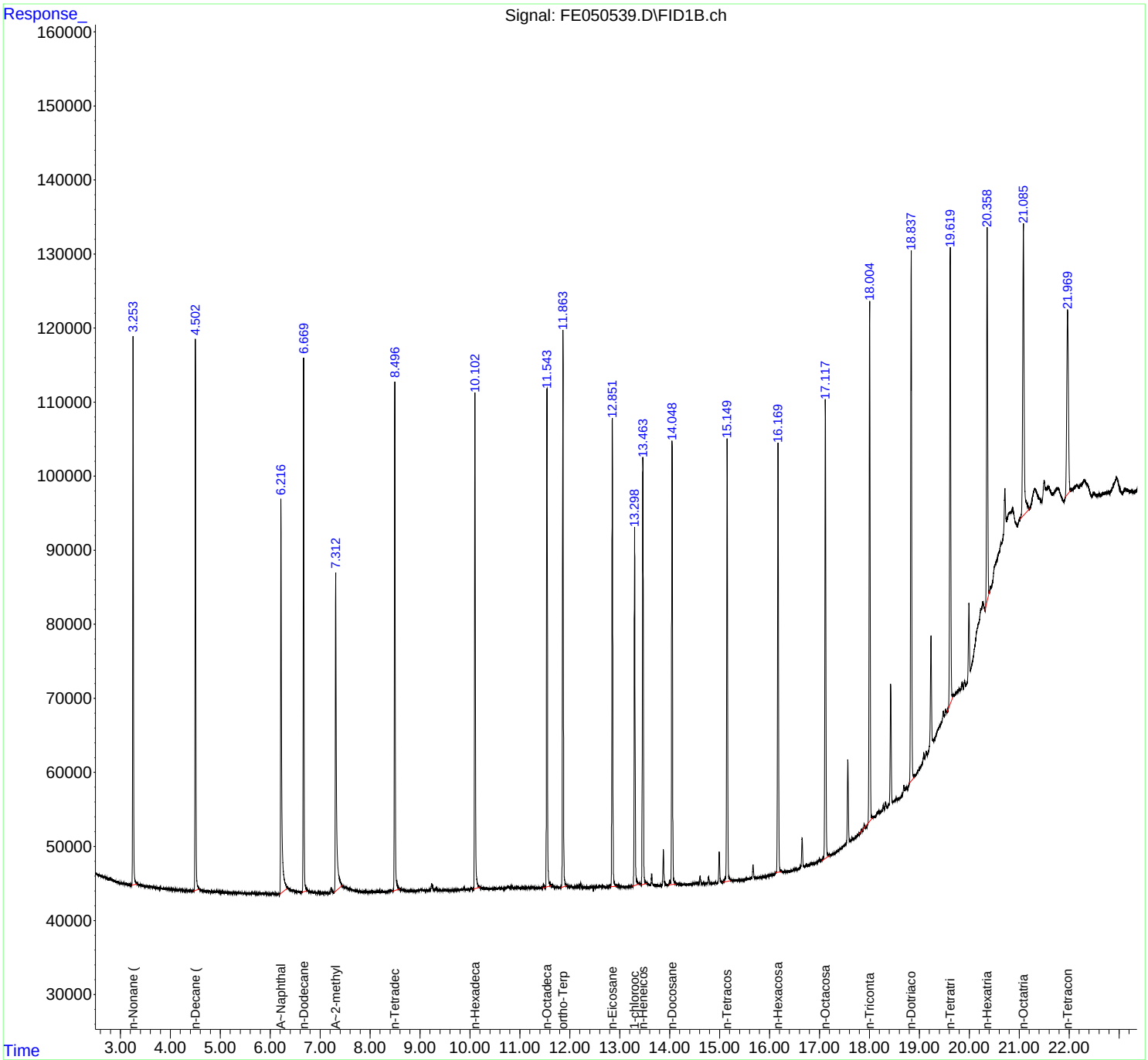
Integration File: autoint1.e
Quant Time: Oct 07 16:31:29 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:31:21 2024
Response via : Initial Calibration
Integrator: ChemStation

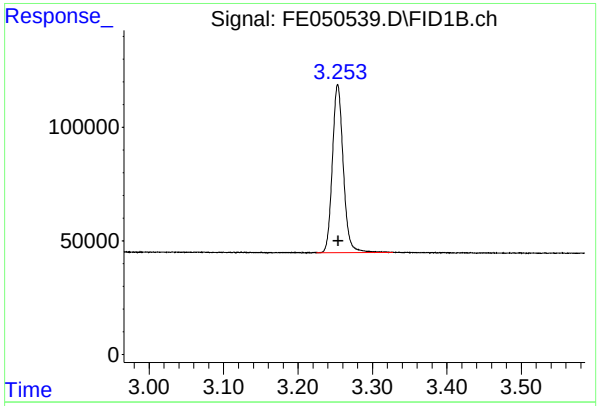
Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024

A B C D E F





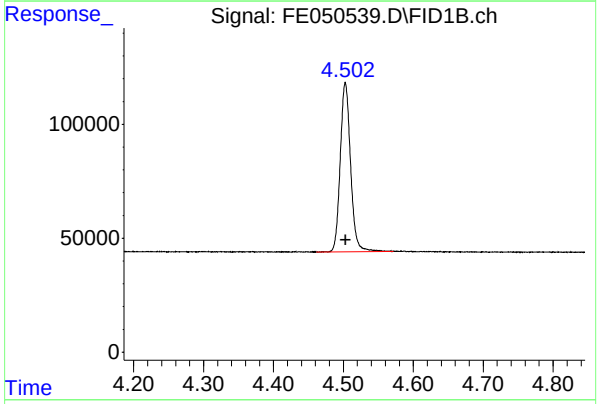
#1 n-Nonane (C9)

R.T.: 3.254 min
Delta R.T.: 0.000 min
Response: 753304
Conc: 5.33 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

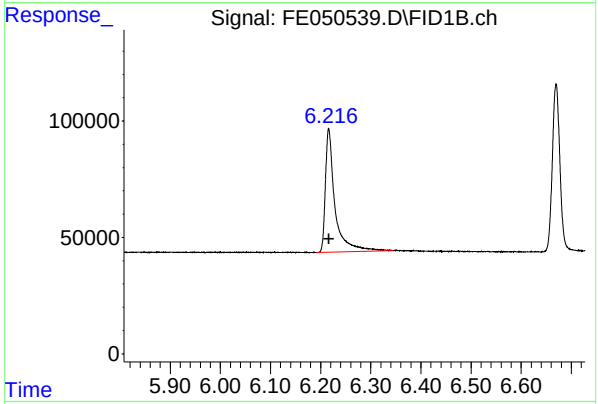
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



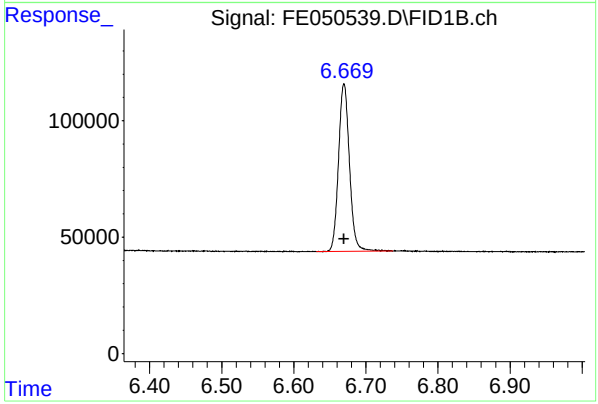
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 761079
Conc: 5.30 ug/ml



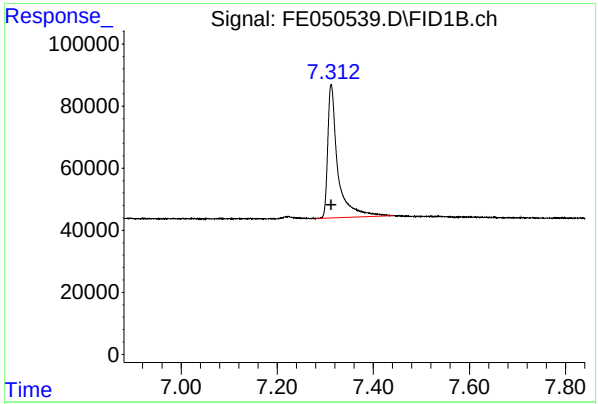
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: 0.000 min
Response: 703385
Conc: 4.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 760541
Conc: 5.28 ug/ml



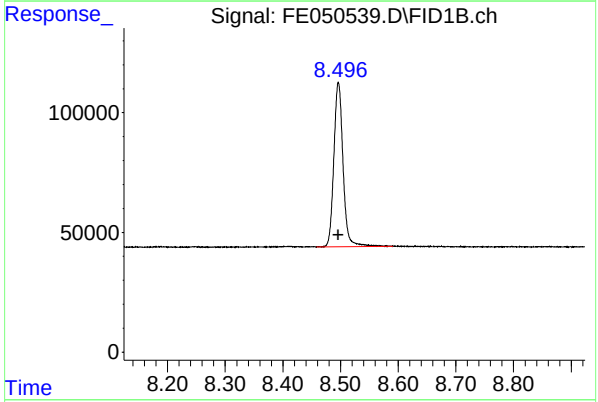
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.313 min
Delta R.T.: 0.000 min
Response: 623807
Conc: 4.71 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

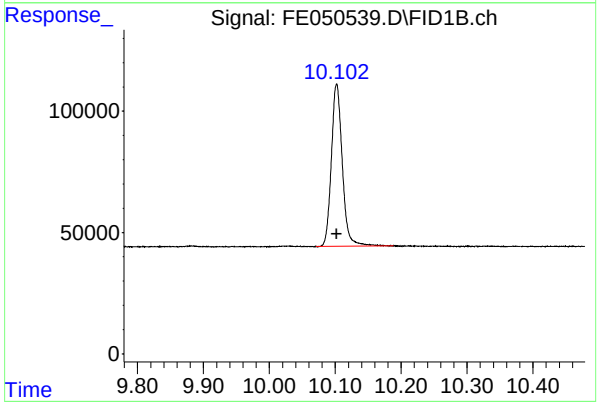
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



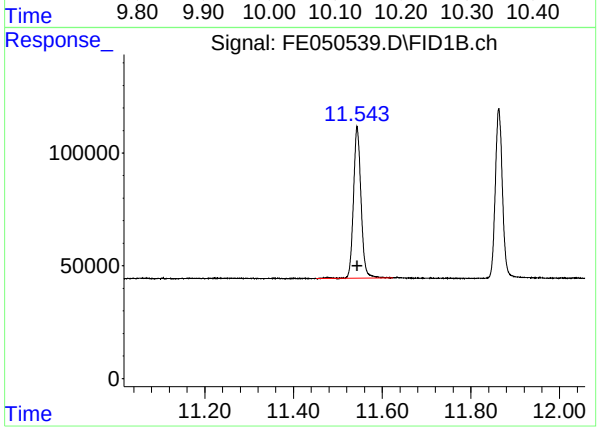
#6 n-Tetradecane (C14)

R.T.: 8.496 min
Delta R.T.: 0.000 min
Response: 759193
Conc: 5.31 ug/ml



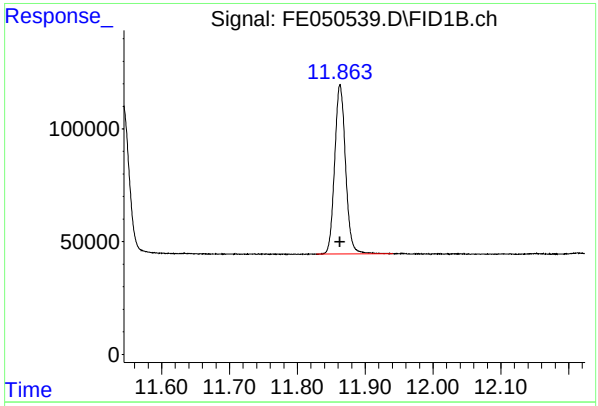
#7 n-Hexadecane (C16)

R.T.: 10.102 min
Delta R.T.: 0.000 min
Response: 772180
Conc: 5.25 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.544 min
Delta R.T.: 0.000 min
Response: 790974
Conc: 5.30 ug/ml



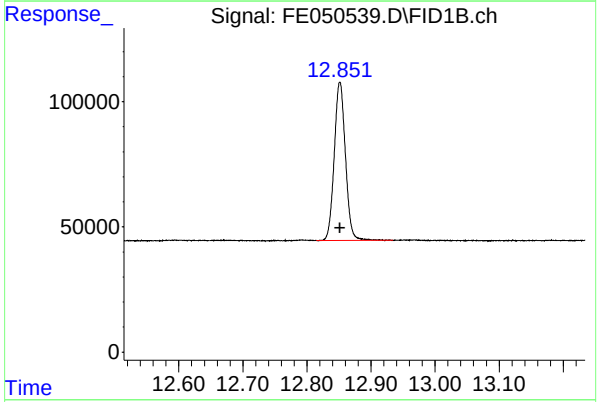
#9 ortho-Terphenyl (SURR)

R.T.: 11.863 min
Delta R.T.: 0.000 min
Response: 837545
Conc: 5.31 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

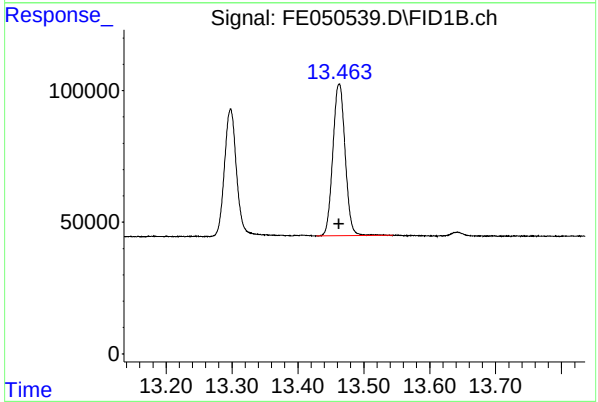
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



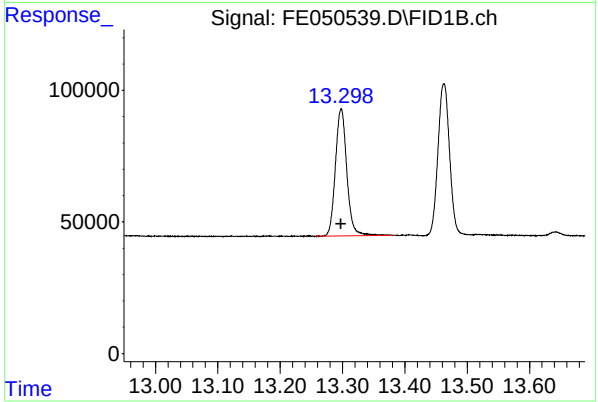
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: 0.000 min
Response: 765738
Conc: 5.34 ug/ml



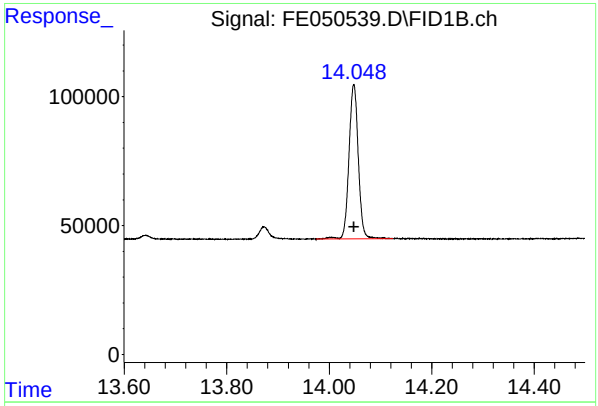
#11 n-Heneicosane (C21)

R.T.: 13.463 min
Delta R.T.: 0.000 min
Response: 747887
Conc: 5.33 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.298 min
Delta R.T.: 0.000 min
Response: 614466
Conc: 5.19 ug/ml



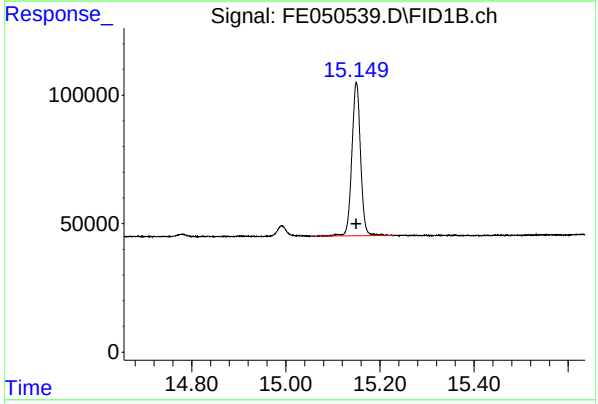
#13 n-Docosane (C22)

R.T.: 14.048 min
Delta R.T.: 0.000 min
Response: 755779
Conc: 5.39 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

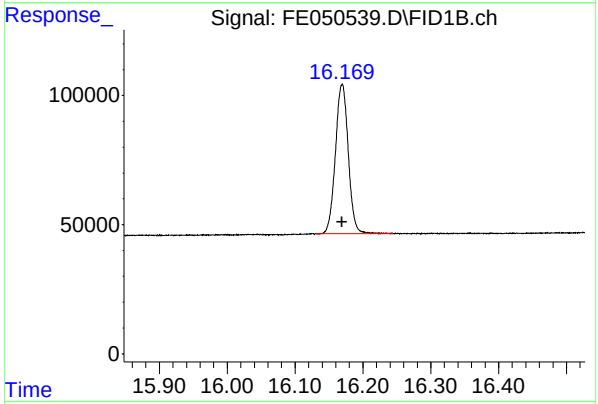
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



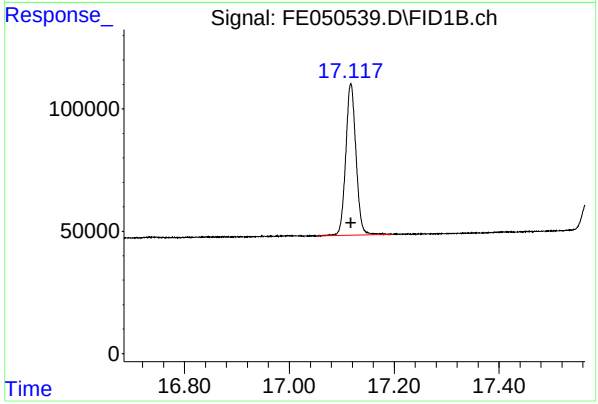
#14 n-Tetracosane (C24)

R.T.: 15.150 min
Delta R.T.: 0.000 min
Response: 766754
Conc: 5.43 ug/ml



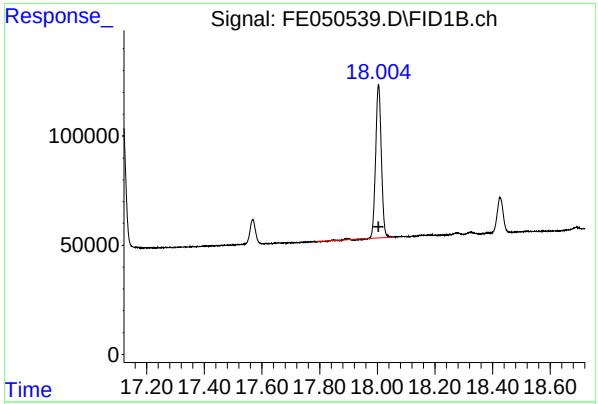
#15 n-Hexacosane (C26)

R.T.: 16.169 min
Delta R.T.: 0.000 min
Response: 761614
Conc: 5.41 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.117 min
Delta R.T.: 0.000 min
Response: 840920
Conc: 5.75 ug/ml



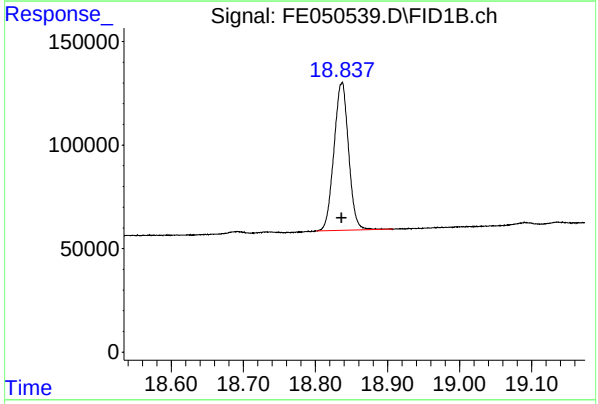
#17 n-Tricontane (C30)

R.T.: 18.004 min
Delta R.T.: 0.000 min
Response: 955708
Conc: 6.01 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

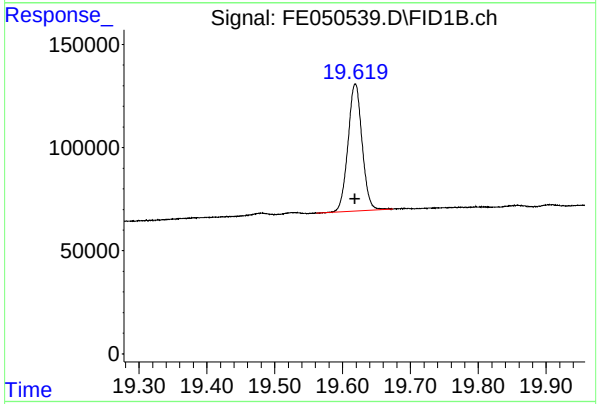
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



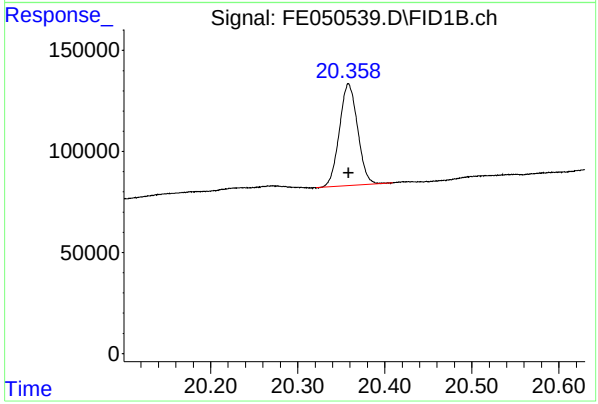
#18 n-Dotriacontane (C32)

R.T.: 18.837 min
Delta R.T.: 0.000 min
Response: 1007931
Conc: 6.22 ug/ml



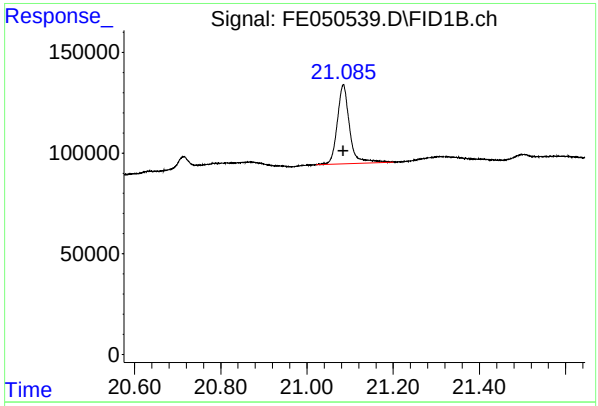
#19 n-Tetratriacontane (C34)

R.T.: 19.619 min
Delta R.T.: 0.000 min
Response: 889564
Conc: 6.06 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.358 min
Delta R.T.: 0.000 min
Response: 736787
Conc: 5.81 ug/ml



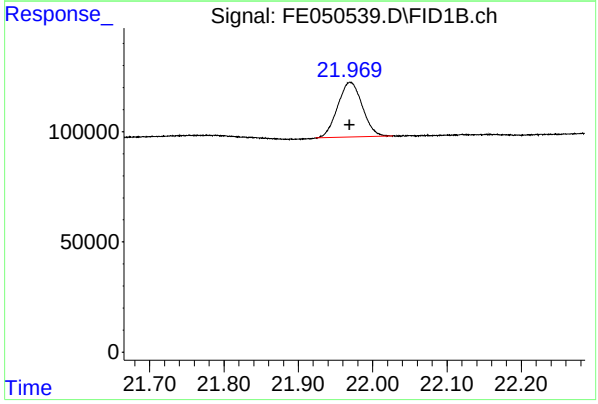
#21 n-Octatriacontane (C38)

R.T.: 21.084 min
Delta R.T.: 0.000 min
Response: 775038
Conc: 6.27 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024



#22 n-Tetracontane (C40)

R.T.: 21.969 min
Delta R.T.: 0.000 min
Response: 573373
Conc: 5.14 ug/ml m

rteres

Instrument :
FID_E
LabSampleId :
5 PPM ALIPHATIC HC STD5

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/08/2024
Supervised By :Ankita Jodhani 10/08/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE10082
Data File : FE050539.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:07
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.254	3.224	3.328	BB	73662	753304	74.74%	4.447%
2	4.503	4.461	4.571	BB	73626	761079	75.51%	4.493%
3	6.217	6.191	6.344	BB	52188	703385	69.78%	4.152%
4	6.670	6.631	6.738	BB	72076	760541	75.46%	4.490%
5	7.313	7.281	7.441	BB	42388	623807	61.89%	3.683%
6	8.496	8.458	8.591	BB	68361	759193	75.32%	4.482%
7	10.102	10.071	10.188	BB	66932	772180	76.61%	4.559%
8	11.544	11.451	11.624	BB	66625	790974	78.47%	4.670%
9	11.863	11.828	11.941	BB	74273	837545	83.10%	4.945%
10	12.852	12.814	12.934	BB	63313	765738	75.97%	4.521%
11	13.298	13.258	13.381	BB	48212	614466	60.96%	3.628%
12	13.463	13.428	13.544	BB	58070	747887	74.20%	4.415%
13	14.048	13.974	14.124	BB	59898	755779	74.98%	4.462%
14	15.150	15.064	15.228	BB	59559	766754	76.07%	4.527%
15	16.169	16.131	16.244	BB	57691	761614	75.56%	4.496%
16	17.117	17.051	17.198	BB	61897	840920	83.43%	4.964%
17	18.004	17.788	18.054	BB	70215	955708	94.82%	5.642%
18	18.837	18.801	18.908	BB	71875	1007931	100.00%	5.950%
19	19.619	19.561	19.674	BB	61617	889564	88.26%	5.252%
20	20.358	20.321	20.409	BBA	50235	736787	73.10%	4.350%
21	21.084	21.021	21.199	BBA	39404	775038	76.89%	4.575%
22	21.970	21.861	22.031	BB	24838	558694	55.43%	3.298%
			Sum of corrected areas:			16938887		

Aliphatic EPH 100824.M Mon Oct 07 16:37:05 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050540.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:37
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 07 17:01:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
9) S	ortho-Terphenyl (SURR)	11.865	2942962	18.667 ug/ml
Spiked Amount	50.000		Recovery =	37.33%
12) S	1-chlorooctadecane (S...	13.299	2228627	18.840 ug/ml
Spiked Amount	50.000		Recovery =	37.68%
	Target Compounds			
1) T	n-Nonane (C9)	3.253	2689462	19.035 ug/ml
2) T	n-Decane (C10)	4.503	2733520	19.052 ug/ml
3) T	A~Naphthalene (C11.7)	6.214	2714676	18.985 ug/ml
4) T	n-Dodecane (C12)	6.670	2741257	19.045 ug/ml
5) T	A~2-methylnaphthalene...	7.310	2535659	19.140 ug/ml
6) T	n-Tetradecane (C14)	8.497	2716479	18.987 ug/ml
7) T	n-Hexadecane (C16)	10.103	2790671	18.962 ug/ml
8) T	n-Octadecane (C18)	11.544	2821757	18.891 ug/ml
10) T	n-Eicosane (C20)	12.852	2729389	19.033 ug/ml
11) T	n-Heneicosane (C21)	13.464	2653621	18.896 ug/ml
13) T	n-Docosane (C22)	14.049	2698315	19.233 ug/ml
14) T	n-Tetracosane (C24)	15.151	2823967	19.989 ug/ml
15) T	n-Hexacosane (C26)	16.170	2863872	20.352 ug/ml
16) T	n-Octacosane (C28)	17.118	2984657	20.397 ug/ml
17) T	n-Tricontane (C30)	18.005	3160183	19.875 ug/ml
18) T	n-Dotriacontane (C32)	18.837	3132221	19.321 ug/ml
19) T	n-Tetratriacontane (C34)	19.619	2741344	18.662 ug/ml
20) T	n-Hexatriacontane (C36)	20.359	2393312	18.873 ug/ml
21) T	n-Octatriacontane (C38)	21.084	2140081	17.308 ug/ml
22) T	n-Tetracontane (C40)	21.972	2032080	18.249 ug/ml

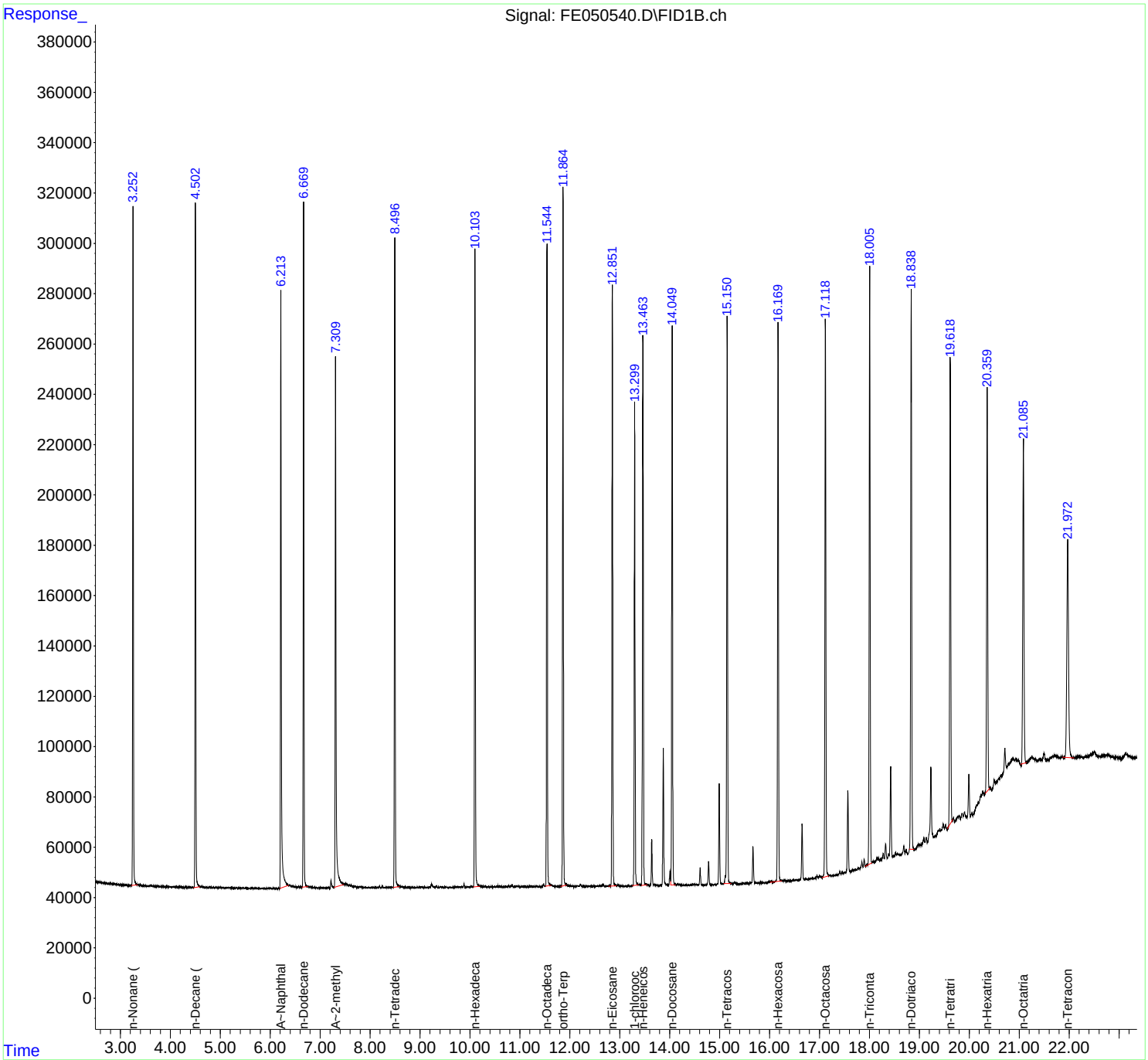
(f)=RT Delta > 1/2 Window (m)=manual int.

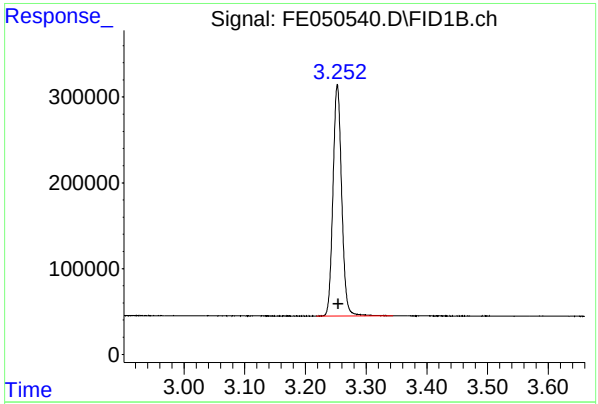
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050540.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:37
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 07 17:01:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 07 16:32:18 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

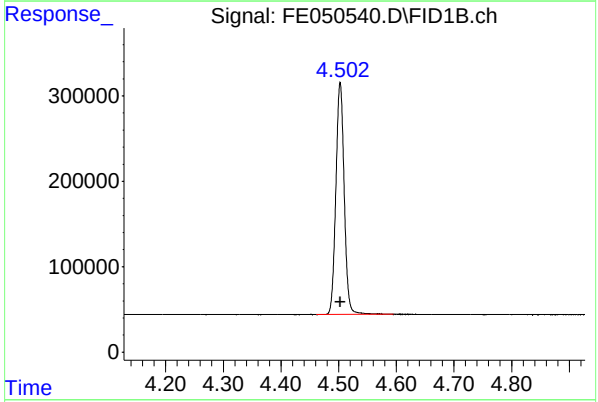




#1 n-Nonane (C9)

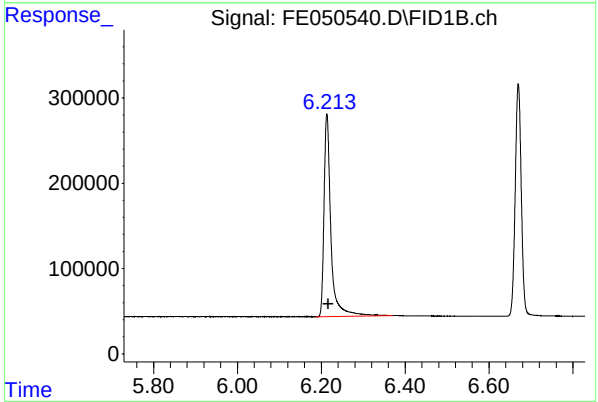
R.T.: 3.253 min
Delta R.T.: -0.001 min
Response: 2689462
Conc: 19.03 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



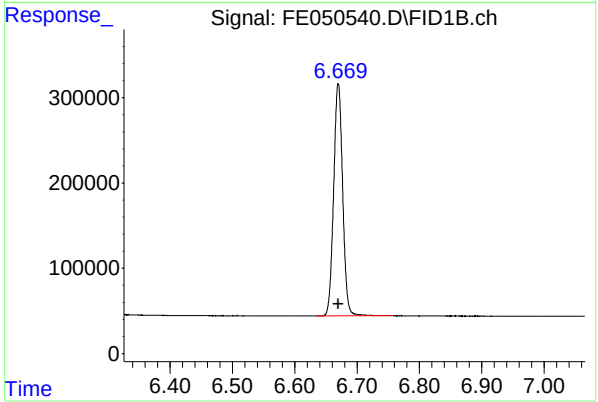
#2 n-Decane (C10)

R.T.: 4.503 min
Delta R.T.: 0.000 min
Response: 2733520
Conc: 19.05 ug/ml



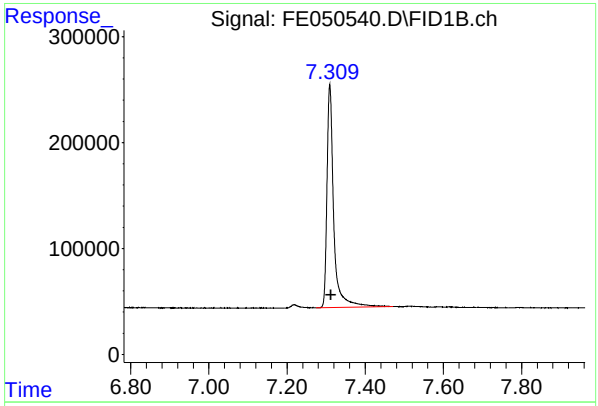
#3 A~Naphthalene (C11.7)

R.T.: 6.214 min
Delta R.T.: -0.003 min
Response: 2714676
Conc: 18.99 ug/ml



#4 n-Dodecane (C12)

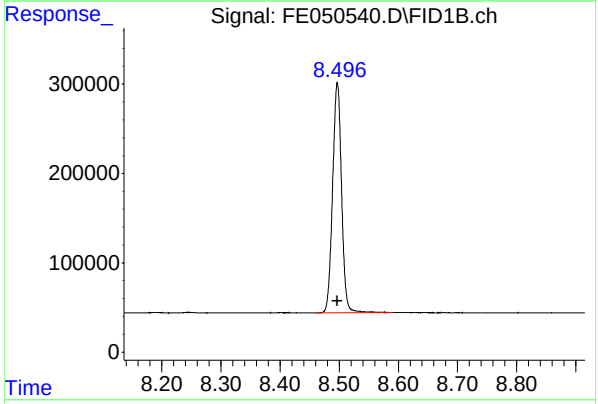
R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 2741257
Conc: 19.05 ug/ml



#5 A~2-methylnaphthalene (C12.89)

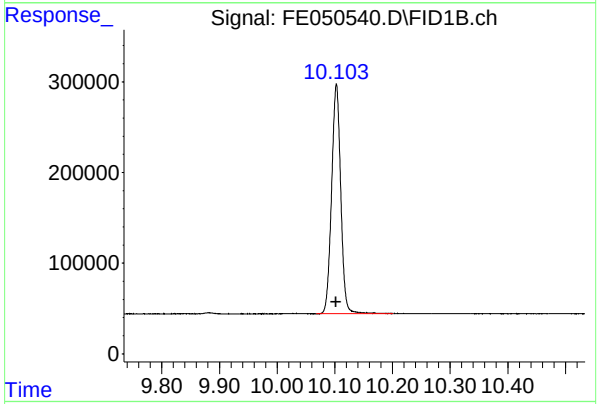
R.T.: 7.310 min
Delta R.T.: -0.003 min
Response: 2535659
Conc: 19.14 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



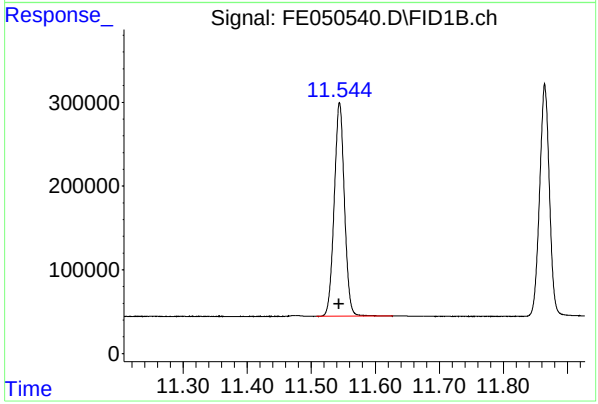
#6 n-Tetradecane (C14)

R.T.: 8.497 min
Delta R.T.: 0.000 min
Response: 2716479
Conc: 18.99 ug/ml



#7 n-Hexadecane (C16)

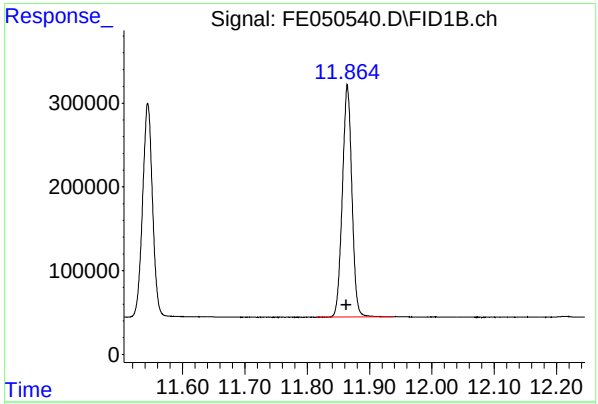
R.T.: 10.103 min
Delta R.T.: 0.000 min
Response: 2790671
Conc: 18.96 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.544 min
Delta R.T.: 0.000 min
Response: 2821757
Conc: 18.89 ug/ml

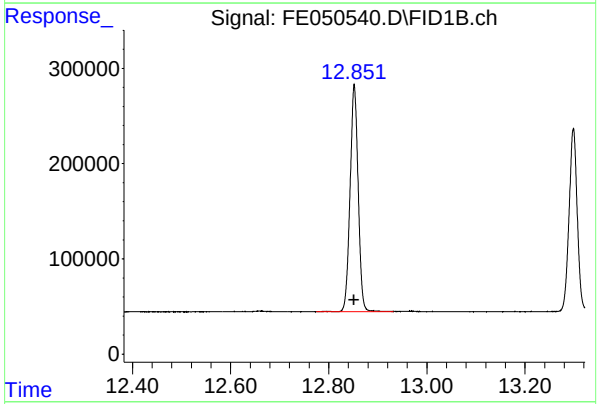
A
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#9 ortho-Terphenyl (SURR)

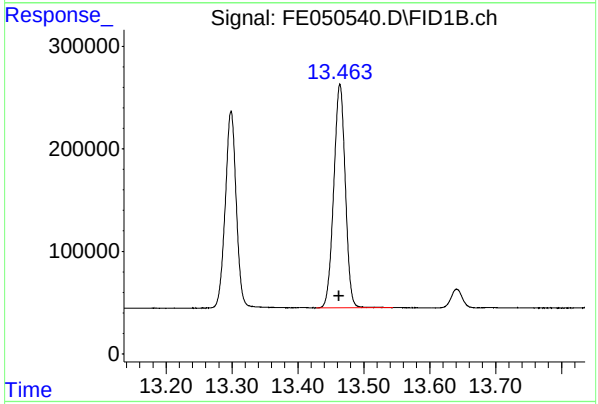
R.T.: 11.865 min
Delta R.T.: 0.001 min
Response: 2942962
Conc: 18.67 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



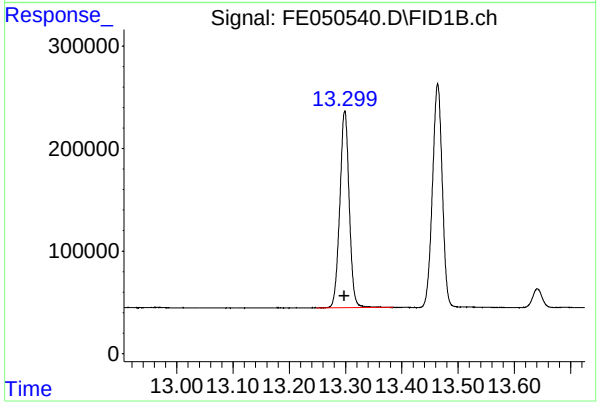
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: 0.000 min
Response: 2729389
Conc: 19.03 ug/ml



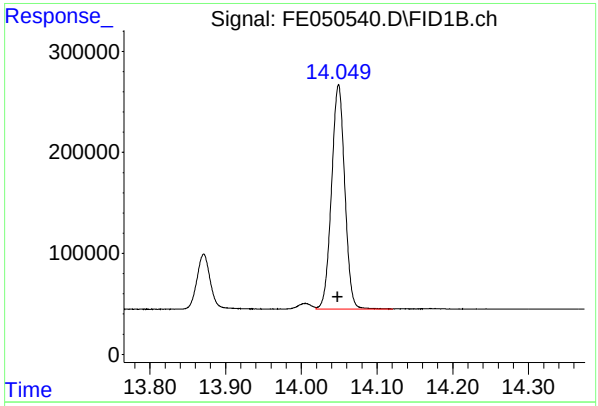
#11 n-Heneicosane (C21)

R.T.: 13.464 min
Delta R.T.: 0.001 min
Response: 2653621
Conc: 18.90 ug/ml



#12 1-chlorooctadecane (SURR)

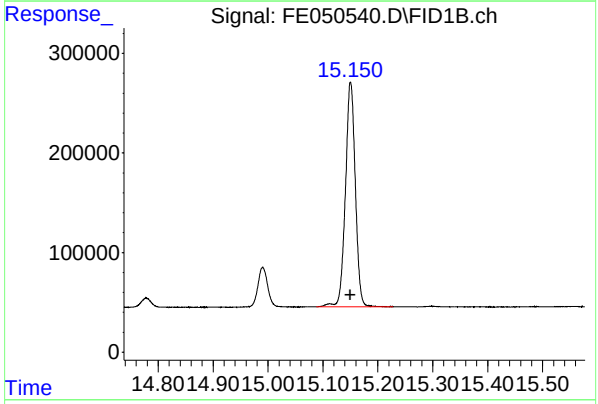
R.T.: 13.299 min
Delta R.T.: 0.000 min
Response: 2228627
Conc: 18.84 ug/ml



#13 n-Docosane (C22)

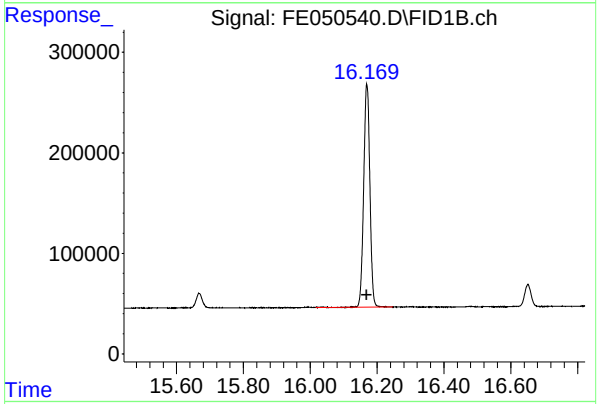
R.T.: 14.049 min
Delta R.T.: 0.001 min
Response: 2698315
Conc: 19.23 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



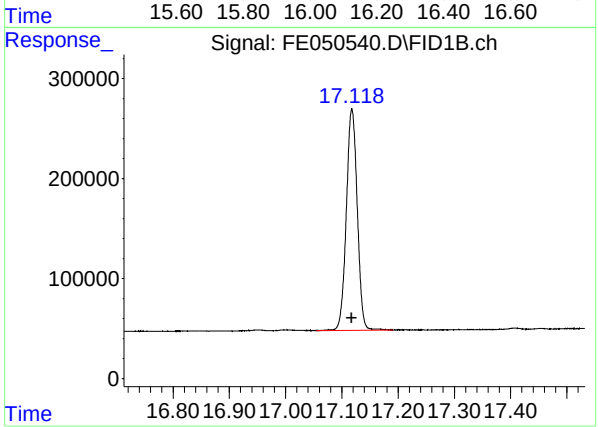
#14 n-Tetracosane (C24)

R.T.: 15.151 min
Delta R.T.: 0.000 min
Response: 2823967
Conc: 19.99 ug/ml



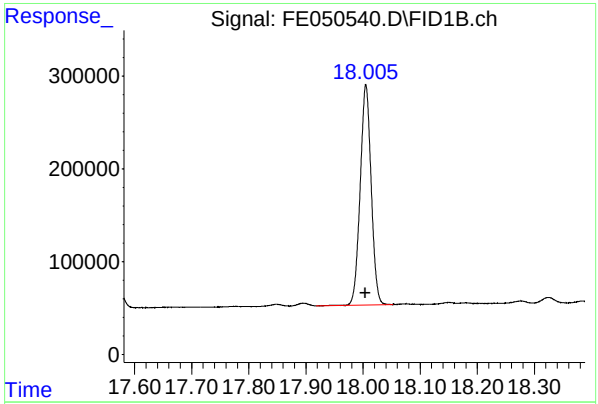
#15 n-Hexacosane (C26)

R.T.: 16.170 min
Delta R.T.: 0.000 min
Response: 2863872
Conc: 20.35 ug/ml



#16 n-Octacosane (C28)

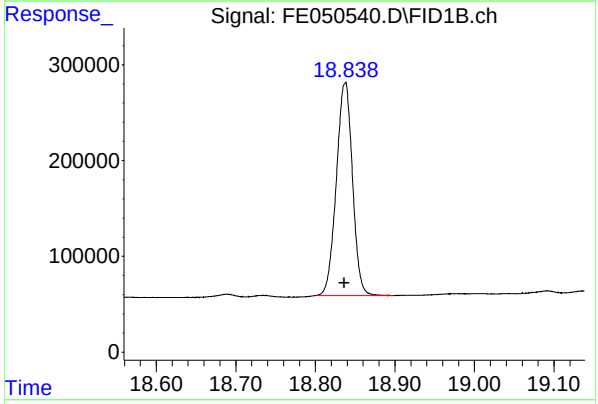
R.T.: 17.118 min
Delta R.T.: 0.000 min
Response: 2984657
Conc: 20.40 ug/ml



#17 n-Tricontane (C30)

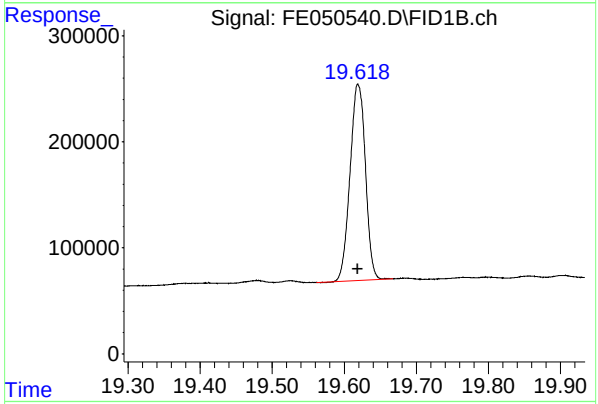
R.T.: 18.005 min
Delta R.T.: 0.000 min
Response: 3160183
Conc: 19.88 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



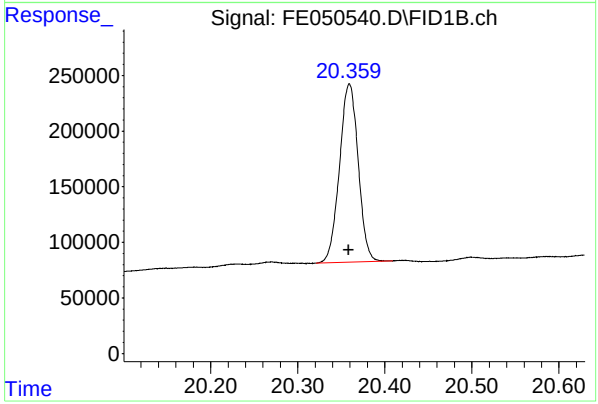
#18 n-Dotriacontane (C32)

R.T.: 18.837 min
Delta R.T.: 0.000 min
Response: 3132221
Conc: 19.32 ug/ml



#19 n-Tetratriacontane (C34)

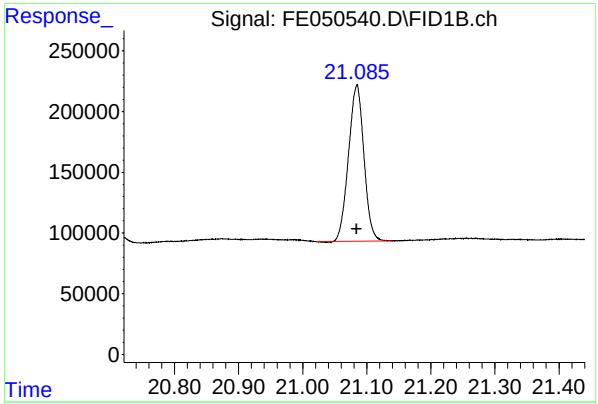
R.T.: 19.619 min
Delta R.T.: 0.000 min
Response: 2741344
Conc: 18.66 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.359 min
Delta R.T.: 0.000 min
Response: 2393312
Conc: 18.87 ug/ml

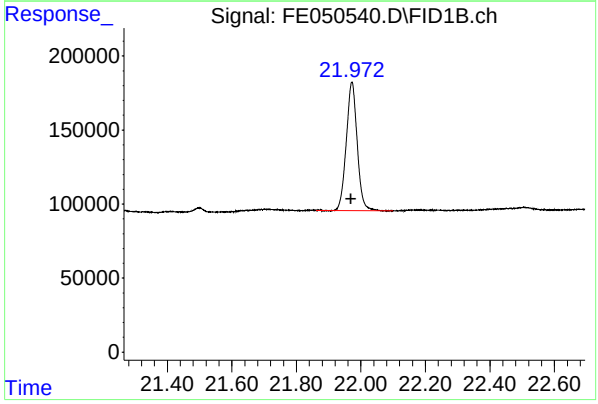
A
B
C
D
E
F



#21 n-Octatriacontane (C38)

R.T.: 21.084 min
Delta R.T.: 0.000 min
Response: 2140081
Conc: 17.31 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.972 min
Delta R.T.: 0.003 min
Response: 2032080
Conc: 18.25 ug/ml

A
B
C
D
E
F

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100824AL\
Data File : FE050540.D
Signal(s) : FID1B.ch
Acq On : 07 Oct 2024 16:37
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.253	3.218	3.344	BB	267501	2689462	85.10%	4.538%
2	4.503	4.461	4.594	BB	270567	2733520	86.50%	4.612%
3	6.214	6.188	6.371	BB	236720	2714676	85.90%	4.580%
4	6.670	6.634	6.758	BB	272468	2741257	86.74%	4.625%
5	7.310	7.274	7.471	BB	208837	2535659	80.24%	4.278%
6	8.497	8.461	8.591	BB	258171	2716479	85.96%	4.583%
7	10.103	10.068	10.201	BB	252751	2790671	88.31%	4.709%
8	11.544	11.508	11.628	BB	255454	2821757	89.29%	4.761%
9	11.865	11.814	11.938	BB	276376	2942962	93.13%	4.966%
10	12.852	12.774	12.931	BB	237336	2729389	86.37%	4.605%
11	13.299	13.248	13.384	BB	192003	2228627	70.52%	3.760%
12	13.464	13.428	13.544	BB	218379	2653621	83.97%	4.477%
13	14.049	14.019	14.121	VB	220938	2698315	85.38%	4.553%
14	15.151	15.088	15.228	BB	225510	2823967	89.36%	4.765%
15	16.170	16.018	16.248	BB	220922	2863872	90.62%	4.832%
16	17.118	17.054	17.191	BB	221073	2984657	94.45%	5.036%
17	18.005	17.918	18.052	PV	237213	3160183	100.00%	5.332%
18	18.837	18.801	18.898	BB	222662	3132221	99.12%	5.285%
19	19.619	19.561	19.668	BV	184014	2741344	86.75%	4.625%
20	20.359	20.321	20.409	BBA	159661	2393312	75.73%	4.038%
21	21.084	21.021	21.141	BV	128474	2140081	67.72%	3.611%
22	21.972	21.861	22.099	BBA	86878	2032080	64.30%	3.429%
			Sum of corrected areas:			59268111		

Aliphatic EPH 100824.M Mon Oct 07 17:02:35 2024

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FC101124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067399.D**						
Aliphatic C9-C12	7575097.000	60.000	3.175	6.457	126251.617	128354.488	1.638
Aliphatic C12-C16	4987010.000	40.000	6.458	9.848	124675.250	130957.677	4.797
Aliphatic C16-C21	7246870.000	60.000	9.849	13.207	120781.167	131476.102	8.135
Aliphatic C21-C28	9150736.000	80.000	13.208	16.862	114384.200	126823.664	9.808
Aliphatic C28-C40	11671078.000	120.000	16.863	21.712	97258.983	105215.848	7.562
Aliphatic EPH	40630791.000	360.000	3.175	21.712	112863.308	121110.937	6.810

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	11 Oct 2024 12:04
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067399.D	Misc:	
Instrument:	FID_C	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.175	6.457	7575097.000	60.000	ug/ml
Aliphatic C12-C16	6.458	9.848	4987010.000	40.000	ug/ml
Aliphatic C16-C21	9.849	13.207	7246870.000	60.000	ug/ml
Aliphatic C21-C28	13.208	16.862	9150736.000	80.000	ug/ml
Aliphatic C28-C40	16.863	21.712	11671078.000	120.000	ug/ml
Aliphatic EPH	3.175	21.712	40630791.000	360.000	ug/ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FC101124AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067408.D**						
Aliphatic C9-C12	7676829.000	60.000	3.175	6.457	127947.150	128354.488	0.317
Aliphatic C12-C16	4998555.000	40.000	6.458	9.848	124963.875	130957.677	4.577
Aliphatic C16-C21	7249603.000	60.000	9.849	13.207	120826.717	131476.102	8.100
Aliphatic C21-C28	9222288.000	80.000	13.208	16.862	115278.600	126823.664	9.103
Aliphatic C28-C40	12019967.000	120.000	16.863	21.712	100166.392	105215.848	4.799
Aliphatic EPH	41167242.000	360.000	3.175	21.712	114353.450	121110.937	5.580

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	11 Oct 2024 19:42
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067408.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.175	6.457	7676829.000	60.000	ug/ml
Aliphatic C12-C16	6.458	9.848	4998555.000	40.000	ug/ml
Aliphatic C16-C21	9.849	13.207	7249603.000	60.000	ug/ml
Aliphatic C21-C28	13.208	16.862	9222288.000	80.000	ug/ml
Aliphatic C28-C40	16.863	21.712	12019967.000	120.000	ug/ml
Aliphatic EPH	3.175	21.712	41167242.000	360.000	ug/ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FE101224AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE050616.D**						
Aliphatic C9-C12	8023696.000	60.000	3.149	6.765	133728.267	142899.930	6.418
Aliphatic C12-C16	5383481.000	40.000	6.766	10.197	134587.025	145118.273	7.257
Aliphatic C16-C21	7961151.000	60.000	10.198	13.555	132685.850	144401.245	8.113
Aliphatic C21-C28	10130342.000	80.000	13.556	17.208	126629.275	142154.874	10.922
Aliphatic C28-C40	13834145.000	120.000	17.209	22.055	115284.542	138303.281	16.644
Aliphatic EPH	45332815.000	360.000	3.149	22.055	125924.486	141698.847	11.132

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	11 Oct 2024 12:32
Client Sample ID:		Operator:	YP\AJ
Data file:	FE050616.D	Misc:	
Instrument:	FID_E	ALS Vial:	8
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.149	6.765	8023696.000	60.000	ug/ml
Aliphatic C12-C16	6.766	10.197	5383481.000	40.000	ug/ml
Aliphatic C16-C21	10.198	13.555	7961151.000	60.000	ug/ml
Aliphatic C21-C28	13.556	17.208	10130342.000	80.000	ug/ml
Aliphatic C28-C40	17.209	22.055	13834145.000	120.000	ug/ml
Aliphatic EPH	3.149	22.055	45332815.000	360.000	ug/ml

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FE101224AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE050631.D**						
Aliphatic C9-C12	7938445.000	60.000	3.149	6.765	132307.417	142899.930	7.413
Aliphatic C12-C16	5435679.000	40.000	6.766	10.197	135891.975	145118.273	6.358
Aliphatic C16-C21	8135311.000	60.000	10.198	13.555	135588.517	144401.245	6.103
Aliphatic C21-C28	10629173.000	80.000	13.556	17.208	132864.663	142154.874	6.535
Aliphatic C28-C40	15670634.000	120.000	17.209	22.055	130588.617	138303.281	5.578
Aliphatic EPH	47809242.000	360.000	3.149	22.055	132803.450	141698.847	6.278

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	11 Oct 2024 21:34
Client Sample ID:		Operator:	YP\AJ
Data file:	FE050631.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.149	6.765	7938445.000	60.000	ug/ml
Aliphatic C12-C16	6.766	10.197	5435679.000	40.000	ug/ml
Aliphatic C16-C21	10.198	13.555	8135311.000	60.000	ug/ml
Aliphatic C21-C28	13.556	17.208	10629173.000	80.000	ug/ml
Aliphatic C28-C40	17.209	22.055	15670634.000	120.000	ug/ml
Aliphatic EPH	3.149	22.055	47809242.000	360.000	ug/ml

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LAB CHRONICLE

OrderID:	P4385	**OrderDate:**	10/10/2024 2:00:00 PM
Client:	Scheideler Excavating Co. Inc.	**Project:**	Robbinsville
Contact:	Jim Scheideler	**Location:**	K51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4385-02	**SP-1**	**SOIL**			**10/10/24**			**10/10/24**
			Mercury	7471B		10/14/24	10/14/24	
			Metals ICP-TAL	6010D		10/11/24	10/15/24	
P4385-04	**SP-2**	**SOIL**			**10/10/24**			**10/10/24**
			Mercury	7471B		10/14/24	10/14/24	
			Metals ICP-TAL	6010D		10/11/24	10/15/24	
P4385-06	**SP-3**	**SOIL**			**10/10/24**			**10/10/24**
			Mercury	7471B		10/14/24	10/14/24	
			Metals ICP-TAL	6010D		10/11/24	10/15/24	
P4385-08	**SP-4**	**SOIL**			**10/10/24**			**10/10/24**
			Mercury	7471B		10/14/24	10/14/24	
			Metals ICP-TAL	6010D		10/11/24	10/15/24	
P4385-10	**SP-5**	**SOIL**			**10/10/24**			**10/10/24**
			Mercury	7471B		10/14/24	10/14/24	
			Metals ICP-TAL	6010D		10/11/24	10/15/24	
P4385-12	**SP-6**	**SOIL**			**10/10/24**			**10/10/24**
			Mercury	7471B		10/14/24	10/14/24	
			Metals ICP-TAL	6010D		10/11/24	10/15/24	
P4385-14	**SP-7**	**SOIL**			**10/10/24**			**10/10/24**
			Mercury	7471B		10/14/24	10/14/24	
			Metals ICP-TAL	6010D		10/11/24	10/15/24	
P4385-16	**SP-8**	**SOIL**			**10/10/24**			**10/10/24**
			Mercury	7471B		10/14/24	10/14/24	
			Metals ICP-TAL	6010D		10/11/24	10/15/24	
P4385-18	**SP-9**	**SOIL**			**10/10/24**			**10/10/24**

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LAB CHRONICLE

			Mercury	7471B		10/14/24	10/14/24
			Metals ICP-TAL	6010D		10/11/24	10/15/24
P4385-20	**SP-10**	**SOIL**			**10/10/24**		**10/10/24**
			Mercury	7471B		10/14/24	10/14/24
			Metals ICP-TAL	6010D		10/11/24	10/18/24

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Hit Summary Sheet
SW-846

SDG No.: P4385 **Order ID:** P4385

Client: Scheideler Excavating Co. Inc. **Project ID:** Robbinsville

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SP-1								
P4385-02	SP-1	SOIL	Aluminum	10600		2.28	4.74	mg/Kg
P4385-02	SP-1	SOIL	Arsenic	5.86		0.28	0.95	mg/Kg
P4385-02	SP-1	SOIL	Barium	44.4		0.61	4.74	mg/Kg
P4385-02	SP-1	SOIL	Beryllium	0.69		0.011	0.28	mg/Kg
P4385-02	SP-1	SOIL	Cadmium	1.28		0.015	0.28	mg/Kg
P4385-02	SP-1	SOIL	Calcium	479		2.65	94.7	mg/Kg
P4385-02	SP-1	SOIL	Chromium	13.6		0.051	0.47	mg/Kg
P4385-02	SP-1	SOIL	Cobalt	6.43		0.055	1.42	mg/Kg
P4385-02	SP-1	SOIL	Copper	8.53		0.45	0.95	mg/Kg
P4385-02	SP-1	SOIL	Iron	13200		2.55	4.74	mg/Kg
P4385-02	SP-1	SOIL	Lead	10.8		0.14	0.57	mg/Kg
P4385-02	SP-1	SOIL	Magnesium	655		3.25	94.7	mg/Kg
P4385-02	SP-1	SOIL	Manganese	109		0.067	0.95	mg/Kg
P4385-02	SP-1	SOIL	Mercury	0.030		0.0060	0.013	mg/Kg
P4385-02	SP-1	SOIL	Nickel	7.34		0.085	1.89	mg/Kg
P4385-02	SP-1	SOIL	Potassium	422		27.2	94.7	mg/Kg
P4385-02	SP-1	SOIL	Vanadium	22.5		0.26	1.89	mg/Kg
P4385-02	SP-1	SOIL	Zinc	16.4		0.10	1.89	mg/Kg
Client ID : SP-2								
P4385-04	SP-2	SOIL	Aluminum	9780		2.29	4.74	mg/Kg
P4385-04	SP-2	SOIL	Arsenic	5.95		0.28	0.95	mg/Kg
P4385-04	SP-2	SOIL	Barium	41.1		0.61	4.74	mg/Kg
P4385-04	SP-2	SOIL	Beryllium	0.68		0.011	0.28	mg/Kg
P4385-04	SP-2	SOIL	Cadmium	1.18		0.015	0.28	mg/Kg
P4385-04	SP-2	SOIL	Calcium	426		2.66	94.8	mg/Kg
P4385-04	SP-2	SOIL	Chromium	12.4		0.051	0.47	mg/Kg
P4385-04	SP-2	SOIL	Cobalt	4.97		0.055	1.42	mg/Kg
P4385-04	SP-2	SOIL	Copper	7.74		0.45	0.95	mg/Kg
P4385-04	SP-2	SOIL	Iron	12100		2.55	4.74	mg/Kg
P4385-04	SP-2	SOIL	Lead	10.1		0.14	0.57	mg/Kg
P4385-04	SP-2	SOIL	Magnesium	638		3.25	94.8	mg/Kg
P4385-04	SP-2	SOIL	Manganese	99.9		0.067	0.95	mg/Kg
P4385-04	SP-2	SOIL	Mercury	0.033		0.0060	0.014	mg/Kg
P4385-04	SP-2	SOIL	Nickel	6.51		0.085	1.90	mg/Kg
P4385-04	SP-2	SOIL	Potassium	371		27.2	94.8	mg/Kg
P4385-04	SP-2	SOIL	Vanadium	21.3		0.26	1.90	mg/Kg
P4385-04	SP-2	SOIL	Zinc	14.1		0.10	1.90	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: P4385 **Order ID:** P4385

Client: Scheideler Excavating Co. Inc. **Project ID:** Robbinsville

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SP-3								
P4385-06	SP-3	SOIL	Aluminum	10200		2.13	4.43	mg/Kg
P4385-06	SP-3	SOIL	Arsenic	5.07		0.26	0.89	mg/Kg
P4385-06	SP-3	SOIL	Barium	47.3		0.57	4.43	mg/Kg
P4385-06	SP-3	SOIL	Beryllium	0.72		0.011	0.27	mg/Kg
P4385-06	SP-3	SOIL	Cadmium	1.36		0.014	0.27	mg/Kg
P4385-06	SP-3	SOIL	Calcium	523		2.48	88.6	mg/Kg
P4385-06	SP-3	SOIL	Chromium	12.3		0.048	0.44	mg/Kg
P4385-06	SP-3	SOIL	Cobalt	6.13		0.051	1.33	mg/Kg
P4385-06	SP-3	SOIL	Copper	8.60		0.42	0.89	mg/Kg
P4385-06	SP-3	SOIL	Iron	12000		2.38	4.43	mg/Kg
P4385-06	SP-3	SOIL	Lead	11.0		0.13	0.53	mg/Kg
P4385-06	SP-3	SOIL	Magnesium	764		3.04	88.6	mg/Kg
P4385-06	SP-3	SOIL	Manganese	117		0.063	0.89	mg/Kg
P4385-06	SP-3	SOIL	Mercury	0.031		0.0060	0.014	mg/Kg
P4385-06	SP-3	SOIL	Nickel	7.63		0.080	1.77	mg/Kg
P4385-06	SP-3	SOIL	Potassium	447		25.4	88.6	mg/Kg
P4385-06	SP-3	SOIL	Vanadium	22.4		0.24	1.77	mg/Kg
P4385-06	SP-3	SOIL	Zinc	15.5		0.097	1.77	mg/Kg
Client ID : SP-4								
P4385-08	SP-4	SOIL	Aluminum	9970		2.10	4.35	mg/Kg
P4385-08	SP-4	SOIL	Arsenic	2.76		0.25	0.87	mg/Kg
P4385-08	SP-4	SOIL	Barium	46.7		0.56	4.35	mg/Kg
P4385-08	SP-4	SOIL	Beryllium	0.74		0.010	0.26	mg/Kg
P4385-08	SP-4	SOIL	Cadmium	1.06		0.014	0.26	mg/Kg
P4385-08	SP-4	SOIL	Calcium	320		2.44	87.0	mg/Kg
P4385-08	SP-4	SOIL	Chromium	12.6		0.047	0.44	mg/Kg
P4385-08	SP-4	SOIL	Cobalt	5.71		0.050	1.30	mg/Kg
P4385-08	SP-4	SOIL	Copper	6.85		0.41	0.87	mg/Kg
P4385-08	SP-4	SOIL	Iron	13000		2.34	4.35	mg/Kg
P4385-08	SP-4	SOIL	Lead	7.57		0.13	0.52	mg/Kg
P4385-08	SP-4	SOIL	Magnesium	556		2.98	87.0	mg/Kg
P4385-08	SP-4	SOIL	Manganese	80.6		0.062	0.87	mg/Kg
P4385-08	SP-4	SOIL	Mercury	0.052		0.0060	0.013	mg/Kg
P4385-08	SP-4	SOIL	Nickel	6.11		0.078	1.74	mg/Kg
P4385-08	SP-4	SOIL	Potassium	396		25.0	87.0	mg/Kg
P4385-08	SP-4	SOIL	Vanadium	24.3		0.24	1.74	mg/Kg
P4385-08	SP-4	SOIL	Zinc	11.6		0.096	1.74	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: P4385 **Order ID:** P4385

Client: Scheideler Excavating Co. Inc. **Project ID:** Robbinsville

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SP-5								
P4385-10	SP-5	SOIL	Aluminum	9580		2.23	4.63	mg/Kg
P4385-10	SP-5	SOIL	Arsenic	4.58		0.27	0.93	mg/Kg
P4385-10	SP-5	SOIL	Barium	42.0		0.59	4.63	mg/Kg
P4385-10	SP-5	SOIL	Beryllium	0.68		0.011	0.28	mg/Kg
P4385-10	SP-5	SOIL	Cadmium	1.12		0.015	0.28	mg/Kg
P4385-10	SP-5	SOIL	Calcium	834		2.60	92.7	mg/Kg
P4385-10	SP-5	SOIL	Chromium	12.3		0.050	0.46	mg/Kg
P4385-10	SP-5	SOIL	Cobalt	5.77		0.054	1.39	mg/Kg
P4385-10	SP-5	SOIL	Copper	8.36		0.44	0.93	mg/Kg
P4385-10	SP-5	SOIL	Iron	12500		2.49	4.63	mg/Kg
P4385-10	SP-5	SOIL	Lead	9.81		0.14	0.56	mg/Kg
P4385-10	SP-5	SOIL	Magnesium	803		3.18	92.7	mg/Kg
P4385-10	SP-5	SOIL	Manganese	118		0.066	0.93	mg/Kg
P4385-10	SP-5	SOIL	Mercury	0.050		0.0060	0.013	mg/Kg
P4385-10	SP-5	SOIL	Nickel	6.97		0.083	1.85	mg/Kg
P4385-10	SP-5	SOIL	Potassium	465		26.6	92.7	mg/Kg
P4385-10	SP-5	SOIL	Vanadium	21.8		0.25	1.85	mg/Kg
P4385-10	SP-5	SOIL	Zinc	15.8		0.10	1.85	mg/Kg
Client ID : SP-6								
P4385-12	SP-6	SOIL	Aluminum	11000		2.27	4.72	mg/Kg
P4385-12	SP-6	SOIL	Arsenic	4.63		0.27	0.94	mg/Kg
P4385-12	SP-6	SOIL	Barium	48.7		0.60	4.72	mg/Kg
P4385-12	SP-6	SOIL	Beryllium	0.72		0.011	0.28	mg/Kg
P4385-12	SP-6	SOIL	Cadmium	1.25		0.015	0.28	mg/Kg
P4385-12	SP-6	SOIL	Calcium	678		2.64	94.3	mg/Kg
P4385-12	SP-6	SOIL	Chromium	13.0		0.051	0.47	mg/Kg
P4385-12	SP-6	SOIL	Cobalt	6.14		0.055	1.41	mg/Kg
P4385-12	SP-6	SOIL	Copper	8.86		0.44	0.94	mg/Kg
P4385-12	SP-6	SOIL	Iron	13000		2.54	4.72	mg/Kg
P4385-12	SP-6	SOIL	Lead	10.2		0.14	0.57	mg/Kg
P4385-12	SP-6	SOIL	Magnesium	775		3.24	94.3	mg/Kg
P4385-12	SP-6	SOIL	Manganese	111		0.067	0.94	mg/Kg
P4385-12	SP-6	SOIL	Mercury	0.034		0.0070	0.015	mg/Kg
P4385-12	SP-6	SOIL	Nickel	7.67		0.085	1.89	mg/Kg
P4385-12	SP-6	SOIL	Potassium	449		27.1	94.3	mg/Kg
P4385-12	SP-6	SOIL	Vanadium	23.6		0.26	1.89	mg/Kg
P4385-12	SP-6	SOIL	Zinc	17.5		0.10	1.89	mg/Kg
Client ID : SP-7								

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Hit Summary Sheet
SW-846

SDG No.: P4385 **Order ID:** P4385

Client: Scheideler Excavating Co. Inc. **Project ID:** Robbinsville

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4385-14	SP-7	SOIL	Aluminum	10200		2.30	4.78	mg/Kg
P4385-14	SP-7	SOIL	Arsenic	4.16		0.28	0.96	mg/Kg
P4385-14	SP-7	SOIL	Barium	52.0		0.61	4.78	mg/Kg
P4385-14	SP-7	SOIL	Beryllium	0.73		0.011	0.29	mg/Kg
P4385-14	SP-7	SOIL	Cadmium	1.14		0.015	0.29	mg/Kg
P4385-14	SP-7	SOIL	Calcium	1700		2.68	95.6	mg/Kg
P4385-14	SP-7	SOIL	Chromium	13.7		0.052	0.48	mg/Kg
P4385-14	SP-7	SOIL	Cobalt	6.94		0.055	1.43	mg/Kg
P4385-14	SP-7	SOIL	Copper	9.96		0.45	0.96	mg/Kg
P4385-14	SP-7	SOIL	Iron	12500		2.57	4.78	mg/Kg
P4385-14	SP-7	SOIL	Lead	23.3		0.14	0.57	mg/Kg
P4385-14	SP-7	SOIL	Magnesium	1020		3.28	95.6	mg/Kg
P4385-14	SP-7	SOIL	Manganese	144		0.068	0.96	mg/Kg
P4385-14	SP-7	SOIL	Mercury	0.046		0.0060	0.014	mg/Kg
P4385-14	SP-7	SOIL	Nickel	7.94		0.086	1.91	mg/Kg
P4385-14	SP-7	SOIL	Potassium	545		27.4	95.6	mg/Kg
P4385-14	SP-7	SOIL	Sodium	42.4	J	34.5	95.6	mg/Kg
P4385-14	SP-7	SOIL	Vanadium	23.4		0.26	1.91	mg/Kg
P4385-14	SP-7	SOIL	Zinc	18.6		0.11	1.91	mg/Kg
Client ID :	**SP-8**							
P4385-16	SP-8	SOIL	Aluminum	10600		2.28	4.73	mg/Kg
P4385-16	SP-8	SOIL	Arsenic	3.79		0.28	0.95	mg/Kg
P4385-16	SP-8	SOIL	Barium	50.5		0.61	4.73	mg/Kg
P4385-16	SP-8	SOIL	Beryllium	0.68		0.011	0.28	mg/Kg
P4385-16	SP-8	SOIL	Cadmium	1.04		0.015	0.28	mg/Kg
P4385-16	SP-8	SOIL	Calcium	1190		2.65	94.7	mg/Kg
P4385-16	SP-8	SOIL	Chromium	12.7		0.051	0.47	mg/Kg
P4385-16	SP-8	SOIL	Cobalt	6.51		0.055	1.42	mg/Kg
P4385-16	SP-8	SOIL	Copper	9.89		0.45	0.95	mg/Kg
P4385-16	SP-8	SOIL	Iron	12000		2.55	4.73	mg/Kg
P4385-16	SP-8	SOIL	Lead	11.1		0.14	0.57	mg/Kg
P4385-16	SP-8	SOIL	Magnesium	939		3.25	94.7	mg/Kg
P4385-16	SP-8	SOIL	Manganese	125		0.067	0.95	mg/Kg
P4385-16	SP-8	SOIL	Mercury	0.045		0.0060	0.013	mg/Kg
P4385-16	SP-8	SOIL	Nickel	7.91		0.085	1.89	mg/Kg
P4385-16	SP-8	SOIL	Potassium	515		27.2	94.7	mg/Kg
P4385-16	SP-8	SOIL	Sodium	50.1	J	34.2	94.7	mg/Kg
P4385-16	SP-8	SOIL	Vanadium	22.5		0.26	1.89	mg/Kg
P4385-16	SP-8	SOIL	Zinc	17.3		0.10	1.89	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: P4385 **Order ID:** P4385

Client: Scheideler Excavating Co. Inc. **Project ID:** Robbinsville

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SP-9								
P4385-18	SP-9	SOIL	Aluminum	10700		2.26	4.70	mg/Kg
P4385-18	SP-9	SOIL	Arsenic	4.53		0.27	0.94	mg/Kg
P4385-18	SP-9	SOIL	Barium	48.8		0.60	4.70	mg/Kg
P4385-18	SP-9	SOIL	Beryllium	0.72		0.011	0.28	mg/Kg
P4385-18	SP-9	SOIL	Cadmium	1.26		0.015	0.28	mg/Kg
P4385-18	SP-9	SOIL	Calcium	1250		2.63	93.9	mg/Kg
P4385-18	SP-9	SOIL	Chromium	14.5		0.051	0.47	mg/Kg
P4385-18	SP-9	SOIL	Cobalt	6.10		0.054	1.41	mg/Kg
P4385-18	SP-9	SOIL	Copper	9.64		0.44	0.94	mg/Kg
P4385-18	SP-9	SOIL	Iron	13800		2.53	4.70	mg/Kg
P4385-18	SP-9	SOIL	Lead	11.5		0.14	0.56	mg/Kg
P4385-18	SP-9	SOIL	Magnesium	973		3.22	93.9	mg/Kg
P4385-18	SP-9	SOIL	Manganese	244		0.067	0.94	mg/Kg
P4385-18	SP-9	SOIL	Mercury	0.042		0.0060	0.013	mg/Kg
P4385-18	SP-9	SOIL	Nickel	8.28		0.085	1.88	mg/Kg
P4385-18	SP-9	SOIL	Potassium	535		27.0	93.9	mg/Kg
P4385-18	SP-9	SOIL	Sodium	45.7	J	33.9	93.9	mg/Kg
P4385-18	SP-9	SOIL	Vanadium	24.6		0.25	1.88	mg/Kg
P4385-18	SP-9	SOIL	Zinc	18.6		0.10	1.88	mg/Kg
Client ID : SP-10								
P4385-20	SP-10	SOIL	Aluminum	10800		2.28	4.73	mg/Kg
P4385-20	SP-10	SOIL	Arsenic	4.41		0.27	0.95	mg/Kg
P4385-20	SP-10	SOIL	Barium	51.1		0.61	4.73	mg/Kg
P4385-20	SP-10	SOIL	Beryllium	0.59		0.011	0.28	mg/Kg
P4385-20	SP-10	SOIL	Cadmium	1.90		0.015	0.28	mg/Kg
P4385-20	SP-10	SOIL	Calcium	1220		2.65	94.6	mg/Kg
P4385-20	SP-10	SOIL	Chromium	19.0		0.051	0.47	mg/Kg
P4385-20	SP-10	SOIL	Cobalt	8.50		0.055	1.42	mg/Kg
P4385-20	SP-10	SOIL	Copper	13.7		0.45	0.95	mg/Kg
P4385-20	SP-10	SOIL	Iron	11300		2.54	4.73	mg/Kg
P4385-20	SP-10	SOIL	Lead	11.2		0.14	0.57	mg/Kg
P4385-20	SP-10	SOIL	Magnesium	1000		3.24	94.6	mg/Kg
P4385-20	SP-10	SOIL	Manganese	149		0.067	0.95	mg/Kg
P4385-20	SP-10	SOIL	Mercury	0.063		0.0060	0.013	mg/Kg
P4385-20	SP-10	SOIL	Nickel	6.97		0.085	1.89	mg/Kg
P4385-20	SP-10	SOIL	Potassium	401		27.1	94.6	mg/Kg
P4385-20	SP-10	SOIL	Sodium	48.5	J	34.1	94.6	mg/Kg
P4385-20	SP-10	SOIL	Vanadium	23.4		0.26	1.89	mg/Kg
P4385-20	SP-10	SOIL	Zinc	18.6		0.10	1.89	mg/Kg

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10600		1	2.28	4.74	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.37	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7440-38-2	Arsenic	5.86		1	0.28	0.95	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7440-39-3	Barium	44.4		1	0.61	4.74	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7440-41-7	Beryllium	0.69		1	0.011	0.28	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7440-43-9	Cadmium	1.28		1	0.015	0.28	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7440-70-2	Calcium	479		1	2.65	94.7	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7440-47-3	Chromium	13.6		1	0.051	0.47	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7440-48-4	Cobalt	6.43		1	0.055	1.42	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7440-50-8	Copper	8.53	N	1	0.45	0.95	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7439-89-6	Iron	13200		1	2.55	4.74	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7439-92-1	Lead	10.8		1	0.14	0.57	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7439-95-4	Magnesium	655		1	3.25	94.7	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7439-96-5	Manganese	109		1	0.067	0.95	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7439-97-6	Mercury	0.030		1	0.0060	0.013	mg/Kg	10/14/24 08:53	10/14/24 13:59	SW7471B	
7440-02-0	Nickel	7.34		1	0.085	1.89	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7440-09-7	Potassium	422	N	1	27.2	94.7	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7782-49-2	Selenium	0.31	UN	1	0.31	0.95	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7440-22-4	Silver	0.049	U	1	0.049	0.47	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7440-23-5	Sodium	34.2	UN	1	34.2	94.7	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7440-28-0	Thallium	0.42	U	1	0.42	1.89	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7440-62-2	Vanadium	22.5	N	1	0.26	1.89	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050
7440-66-6	Zinc	16.4	N	1	0.10	1.89	mg/Kg	10/11/24 09:05	10/15/24 14:43	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	N/A
Comments:	TCL+30/TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	95

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	9780		1	2.29	4.74	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.37	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7440-38-2	Arsenic	5.95		1	0.28	0.95	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7440-39-3	Barium	41.1		1	0.61	4.74	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7440-41-7	Beryllium	0.68		1	0.011	0.28	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7440-43-9	Cadmium	1.18		1	0.015	0.28	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7440-70-2	Calcium	426		1	2.66	94.8	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7440-47-3	Chromium	12.4		1	0.051	0.47	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7440-48-4	Cobalt	4.97		1	0.055	1.42	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7440-50-8	Copper	7.74	N	1	0.45	0.95	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7439-89-6	Iron	12100		1	2.55	4.74	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7439-92-1	Lead	10.1		1	0.14	0.57	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7439-95-4	Magnesium	638		1	3.25	94.8	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7439-96-5	Manganese	99.9		1	0.067	0.95	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7439-97-6	Mercury	0.033		1	0.0060	0.014	mg/Kg	10/14/24 08:53	10/14/24 14:02	SW7471B	
7440-02-0	Nickel	6.51		1	0.085	1.90	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7440-09-7	Potassium	371	N	1	27.2	94.8	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7782-49-2	Selenium	0.31	UN	1	0.31	0.95	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7440-22-4	Silver	0.049	U	1	0.049	0.47	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7440-23-5	Sodium	34.2	UN	1	34.2	94.8	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7440-28-0	Thallium	0.42	U	1	0.42	1.90	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7440-62-2	Vanadium	21.3	N	1	0.26	1.90	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050
7440-66-6	Zinc	14.1	N	1	0.10	1.90	mg/Kg	10/11/24 09:05	10/15/24 14:48	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	N/A
Comments:	TCL+30/TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	94.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10200		1	2.13	4.43	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7440-36-0	Antimony	0.13	UN	1	0.13	2.21	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7440-38-2	Arsenic	5.07		1	0.26	0.89	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7440-39-3	Barium	47.3		1	0.57	4.43	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7440-41-7	Beryllium	0.72		1	0.011	0.27	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7440-43-9	Cadmium	1.36		1	0.014	0.27	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7440-70-2	Calcium	523		1	2.48	88.6	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7440-47-3	Chromium	12.3		1	0.048	0.44	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7440-48-4	Cobalt	6.13		1	0.051	1.33	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7440-50-8	Copper	8.60	N	1	0.42	0.89	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7439-89-6	Iron	12000		1	2.38	4.43	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7439-92-1	Lead	11.0		1	0.13	0.53	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7439-95-4	Magnesium	764		1	3.04	88.6	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7439-96-5	Manganese	117		1	0.063	0.89	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7439-97-6	Mercury	0.031		1	0.0060	0.014	mg/Kg	10/14/24 08:53	10/14/24 14:08	SW7471B	
7440-02-0	Nickel	7.63		1	0.080	1.77	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7440-09-7	Potassium	447	N	1	25.4	88.6	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7782-49-2	Selenium	0.29	UN	1	0.29	0.89	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7440-22-4	Silver	0.046	U	1	0.046	0.44	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7440-23-5	Sodium	32.0	UN	1	32.0	88.6	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7440-28-0	Thallium	0.39	U	1	0.39	1.77	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7440-62-2	Vanadium	22.4	N	1	0.24	1.77	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050
7440-66-6	Zinc	15.5	N	1	0.097	1.77	mg/Kg	10/11/24 09:05	10/15/24 14:52	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	N/A
Comments:	TCL+30/TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	99.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	9970		1	2.10	4.35	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7440-36-0	Antimony	0.13	UN	1	0.13	2.17	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7440-38-2	Arsenic	2.76		1	0.25	0.87	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7440-39-3	Barium	46.7		1	0.56	4.35	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7440-41-7	Beryllium	0.74		1	0.010	0.26	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7440-43-9	Cadmium	1.06		1	0.014	0.26	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7440-70-2	Calcium	320		1	2.44	87.0	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7440-47-3	Chromium	12.6		1	0.047	0.44	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7440-48-4	Cobalt	5.71		1	0.050	1.30	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7440-50-8	Copper	6.85	N	1	0.41	0.87	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7439-89-6	Iron	13000		1	2.34	4.35	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7439-92-1	Lead	7.57		1	0.13	0.52	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7439-95-4	Magnesium	556		1	2.98	87.0	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7439-96-5	Manganese	80.6		1	0.062	0.87	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7439-97-6	Mercury	0.052		1	0.0060	0.013	mg/Kg	10/14/24 08:53	10/14/24 14:11	SW7471B	
7440-02-0	Nickel	6.11		1	0.078	1.74	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7440-09-7	Potassium	396	N	1	25.0	87.0	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7782-49-2	Selenium	0.29	UN	1	0.29	0.87	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7440-22-4	Silver	0.045	U	1	0.045	0.44	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7440-23-5	Sodium	31.4	UN	1	31.4	87.0	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7440-28-0	Thallium	0.38	U	1	0.38	1.74	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7440-62-2	Vanadium	24.3	N	1	0.24	1.74	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050
7440-66-6	Zinc	11.6	N	1	0.096	1.74	mg/Kg	10/11/24 09:05	10/15/24 14:56	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	N/A
Comments:	TCL+30/TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	9580		1	2.23	4.63	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.32	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7440-38-2	Arsenic	4.58		1	0.27	0.93	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7440-39-3	Barium	42.0		1	0.59	4.63	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7440-41-7	Beryllium	0.68		1	0.011	0.28	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7440-43-9	Cadmium	1.12		1	0.015	0.28	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7440-70-2	Calcium	834		1	2.60	92.7	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7440-47-3	Chromium	12.3		1	0.050	0.46	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7440-48-4	Cobalt	5.77		1	0.054	1.39	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7440-50-8	Copper	8.36	N	1	0.44	0.93	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7439-89-6	Iron	12500		1	2.49	4.63	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7439-92-1	Lead	9.81		1	0.14	0.56	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7439-95-4	Magnesium	803		1	3.18	92.7	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7439-96-5	Manganese	118		1	0.066	0.93	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7439-97-6	Mercury	0.050		1	0.0060	0.013	mg/Kg	10/14/24 08:53	10/14/24 14:13	SW7471B	
7440-02-0	Nickel	6.97		1	0.083	1.85	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7440-09-7	Potassium	465	N	1	26.6	92.7	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7782-49-2	Selenium	0.31	UN	1	0.31	0.93	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7440-22-4	Silver	0.048	U	1	0.048	0.46	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7440-23-5	Sodium	33.5	UN	1	33.5	92.7	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7440-28-0	Thallium	0.41	U	1	0.41	1.85	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7440-62-2	Vanadium	21.8	N	1	0.25	1.85	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050
7440-66-6	Zinc	15.8	N	1	0.10	1.85	mg/Kg	10/11/24 09:05	10/15/24 15:01	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	N/A
Comments:	TCL+30/TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-12	Matrix:	SOIL
Level (low/med):	low	% Solid:	93

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	11000		1	2.27	4.72	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.36	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7440-38-2	Arsenic	4.63		1	0.27	0.94	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7440-39-3	Barium	48.7		1	0.60	4.72	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7440-41-7	Beryllium	0.72		1	0.011	0.28	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7440-43-9	Cadmium	1.25		1	0.015	0.28	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7440-70-2	Calcium	678		1	2.64	94.3	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7440-47-3	Chromium	13.0		1	0.051	0.47	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7440-48-4	Cobalt	6.14		1	0.055	1.41	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7440-50-8	Copper	8.86	N	1	0.44	0.94	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7439-89-6	Iron	13000		1	2.54	4.72	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7439-92-1	Lead	10.2		1	0.14	0.57	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7439-95-4	Magnesium	775		1	3.24	94.3	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7439-96-5	Manganese	111		1	0.067	0.94	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7439-97-6	Mercury	0.034		1	0.0070	0.015	mg/Kg	10/14/24 08:53	10/14/24 14:15	SW7471B	
7440-02-0	Nickel	7.67		1	0.085	1.89	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7440-09-7	Potassium	449	N	1	27.1	94.3	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7782-49-2	Selenium	0.31	UN	1	0.31	0.94	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7440-22-4	Silver	0.049	U	1	0.049	0.47	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7440-23-5	Sodium	34.1	UN	1	34.1	94.3	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7440-28-0	Thallium	0.42	U	1	0.42	1.89	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7440-62-2	Vanadium	23.6	N	1	0.26	1.89	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050
7440-66-6	Zinc	17.5	N	1	0.10	1.89	mg/Kg	10/11/24 09:05	10/15/24 15:05	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	N/A
Comments:	TCL+30/TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10200		1	2.30	4.78	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.39	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7440-38-2	Arsenic	4.16		1	0.28	0.96	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7440-39-3	Barium	52.0		1	0.61	4.78	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7440-41-7	Beryllium	0.73		1	0.011	0.29	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7440-43-9	Cadmium	1.14		1	0.015	0.29	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7440-70-2	Calcium	1700		1	2.68	95.6	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7440-47-3	Chromium	13.7		1	0.052	0.48	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7440-48-4	Cobalt	6.94		1	0.055	1.43	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7440-50-8	Copper	9.96	N	1	0.45	0.96	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7439-89-6	Iron	12500		1	2.57	4.78	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7439-92-1	Lead	23.3		1	0.14	0.57	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7439-95-4	Magnesium	1020		1	3.28	95.6	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7439-96-5	Manganese	144		1	0.068	0.96	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7439-97-6	Mercury	0.046		1	0.0060	0.014	mg/Kg	10/14/24 08:53	10/14/24 14:18	SW7471B	
7440-02-0	Nickel	7.94		1	0.086	1.91	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7440-09-7	Potassium	545	N	1	27.4	95.6	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7782-49-2	Selenium	0.32	UN	1	0.32	0.96	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7440-22-4	Silver	0.050	U	1	0.050	0.48	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7440-23-5	Sodium	42.4	JN	1	34.5	95.6	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7440-28-0	Thallium	0.42	U	1	0.42	1.91	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7440-62-2	Vanadium	23.4	N	1	0.26	1.91	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050
7440-66-6	Zinc	18.6	N	1	0.11	1.91	mg/Kg	10/11/24 09:05	10/15/24 15:09	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	N/A
Comments:	TCL+30/TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	SOIL
Level (low/med):	low	% Solid:	94.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10600		1	2.28	4.73	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.37	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7440-38-2	Arsenic	3.79		1	0.28	0.95	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7440-39-3	Barium	50.5		1	0.61	4.73	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7440-41-7	Beryllium	0.68		1	0.011	0.28	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7440-43-9	Cadmium	1.04		1	0.015	0.28	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7440-70-2	Calcium	1190		1	2.65	94.7	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7440-47-3	Chromium	12.7		1	0.051	0.47	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7440-48-4	Cobalt	6.51		1	0.055	1.42	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7440-50-8	Copper	9.89	N	1	0.45	0.95	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7439-89-6	Iron	12000		1	2.55	4.73	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7439-92-1	Lead	11.1		1	0.14	0.57	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7439-95-4	Magnesium	939		1	3.25	94.7	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7439-96-5	Manganese	125		1	0.067	0.95	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7439-97-6	Mercury	0.045		1	0.0060	0.013	mg/Kg	10/14/24 08:53	10/14/24 14:20	SW7471B	
7440-02-0	Nickel	7.91		1	0.085	1.89	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7440-09-7	Potassium	515	N	1	27.2	94.7	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7782-49-2	Selenium	0.31	UN	1	0.31	0.95	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7440-22-4	Silver	0.049	U	1	0.049	0.47	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7440-23-5	Sodium	50.1	JN	1	34.2	94.7	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7440-28-0	Thallium	0.42	U	1	0.42	1.89	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7440-62-2	Vanadium	22.5	N	1	0.26	1.89	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050
7440-66-6	Zinc	17.3	N	1	0.10	1.89	mg/Kg	10/11/24 09:05	10/15/24 15:13	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	N/A
Comments:	TCL+30/TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10700		1	2.26	4.70	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.35	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7440-38-2	Arsenic	4.53		1	0.27	0.94	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7440-39-3	Barium	48.8		1	0.60	4.70	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7440-41-7	Beryllium	0.72		1	0.011	0.28	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7440-43-9	Cadmium	1.26		1	0.015	0.28	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7440-70-2	Calcium	1250		1	2.63	93.9	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7440-47-3	Chromium	14.5		1	0.051	0.47	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7440-48-4	Cobalt	6.10		1	0.054	1.41	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7440-50-8	Copper	9.64	N	1	0.44	0.94	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7439-89-6	Iron	13800		1	2.53	4.70	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7439-92-1	Lead	11.5		1	0.14	0.56	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7439-95-4	Magnesium	973		1	3.22	93.9	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7439-96-5	Manganese	244		1	0.067	0.94	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7439-97-6	Mercury	0.042		1	0.0060	0.013	mg/Kg	10/14/24 08:53	10/14/24 14:22	SW7471B	
7440-02-0	Nickel	8.28		1	0.085	1.88	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7440-09-7	Potassium	535	N	1	27.0	93.9	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7782-49-2	Selenium	0.31	UN	1	0.31	0.94	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7440-22-4	Silver	0.049	U	1	0.049	0.47	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7440-23-5	Sodium	45.7	JN	1	33.9	93.9	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7440-28-0	Thallium	0.41	U	1	0.41	1.88	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7440-62-2	Vanadium	24.6	N	1	0.25	1.88	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050
7440-66-6	Zinc	18.6	N	1	0.10	1.88	mg/Kg	10/11/24 09:05	10/15/24 13:10	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	N/A
Comments:	TCL+30/TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	SOIL
Level (low/med):	low	% Solid:	94.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10800		1	2.28	4.73	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.36	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7440-38-2	Arsenic	4.41		1	0.27	0.95	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7440-39-3	Barium	51.1		1	0.61	4.73	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7440-41-7	Beryllium	0.59		1	0.011	0.28	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7440-43-9	Cadmium	1.90		1	0.015	0.28	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7440-70-2	Calcium	1220		1	2.65	94.6	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7440-47-3	Chromium	19.0		1	0.051	0.47	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7440-48-4	Cobalt	8.50		1	0.055	1.42	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7440-50-8	Copper	13.7	N	1	0.45	0.95	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7439-89-6	Iron	11300		1	2.54	4.73	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7439-92-1	Lead	11.2		1	0.14	0.57	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7439-95-4	Magnesium	1000		1	3.24	94.6	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7439-96-5	Manganese	149		1	0.067	0.95	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7439-97-6	Mercury	0.063		1	0.0060	0.013	mg/Kg	10/14/24 08:53	10/14/24 14:24	SW7471B	
7440-02-0	Nickel	6.97		1	0.085	1.89	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7440-09-7	Potassium	401	N	1	27.1	94.6	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7782-49-2	Selenium	0.31	UN	1	0.31	0.95	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7440-22-4	Silver	0.049	U	1	0.049	0.47	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7440-23-5	Sodium	48.5	JN	1	34.1	94.6	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7440-28-0	Thallium	0.42	U	1	0.42	1.89	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7440-62-2	Vanadium	23.4	N	1	0.26	1.89	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050
7440-66-6	Zinc	18.6	N	1	0.10	1.89	mg/Kg	10/11/24 09:05	10/18/24 15:11	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	N/A
Comments:	TCL+30/TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV36	Mercury	4.25	4.0	106	90 - 110	CV	10/14/2024	11:33	LB132914

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV13	Mercury	4.95	5.0	99	90 - 110	CV	10/14/2024	11:40	LB132914
CCV14	Mercury	4.81	5.0	96	90 - 110	CV	10/14/2024	12:10	LB132914
CCV15	Mercury	4.91	5.0	98	90 - 110	CV	10/14/2024	12:39	LB132914
CCV16	Mercury	4.98	5.0	100	90 - 110	CV	10/14/2024	13:09	LB132914
CCV17	Mercury	4.88	5.0	98	90 - 110	CV	10/14/2024	13:37	LB132914
CCV18	Mercury	5.09	5.0	102	90 - 110	CV	10/14/2024	14:04	LB132914
CCV19	Mercury	4.97	5.0	100	90 - 110	CV	10/14/2024	14:31	LB132914
CCV20	Mercury	5.08	5.0	102	90 - 110	CV	10/14/2024	14:59	LB132914
CCV21	Mercury	4.79	5.0	96	90 - 110	CV	10/14/2024	15:15	LB132914

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2580	2500	103	90 - 110	P	10/15/2024	11:24	LB132951
	Antimony	996	1000	100	90 - 110	P	10/15/2024	11:24	LB132951
	Arsenic	959	1000	96	90 - 110	P	10/15/2024	11:24	LB132951
	Barium	517	520	99	90 - 110	P	10/15/2024	11:24	LB132951
	Beryllium	510	510	100	90 - 110	P	10/15/2024	11:24	LB132951
	Cadmium	485	510	95	90 - 110	P	10/15/2024	11:24	LB132951
	Calcium	10300	10000	102	90 - 110	P	10/15/2024	11:24	LB132951
	Chromium	534	520	103	90 - 110	P	10/15/2024	11:24	LB132951
	Cobalt	518	520	100	90 - 110	P	10/15/2024	11:24	LB132951
	Copper	530	510	104	90 - 110	P	10/15/2024	11:24	LB132951
	Iron	10100	10000	101	90 - 110	P	10/15/2024	11:24	LB132951
	Lead	967	1000	97	90 - 110	P	10/15/2024	11:24	LB132951
	Magnesium	5970	6000	100	90 - 110	P	10/15/2024	11:24	LB132951
	Manganese	524	520	101	90 - 110	P	10/15/2024	11:24	LB132951
	Nickel	520	530	98	90 - 110	P	10/15/2024	11:24	LB132951
	Potassium	9920	9900	100	90 - 110	P	10/15/2024	11:24	LB132951
	Selenium	969	1000	97	90 - 110	P	10/15/2024	11:24	LB132951
	Silver	259	250	104	90 - 110	P	10/15/2024	11:24	LB132951
	Sodium	9660	10000	97	90 - 110	P	10/15/2024	11:24	LB132951
	Thallium	972	1000	97	90 - 110	P	10/15/2024	11:24	LB132951
	Vanadium	502	500	100	90 - 110	P	10/15/2024	11:24	LB132951
	Zinc	1050	1000	105	90 - 110	P	10/15/2024	11:24	LB132951

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	110	100	110	80 - 120	P	10/15/2024	11:37	LB132951
	Antimony	49.6	50.0	99	80 - 120	P	10/15/2024	11:37	LB132951
	Arsenic	20.5	20.0	102	80 - 120	P	10/15/2024	11:37	LB132951
	Barium	98.7	100	99	80 - 120	P	10/15/2024	11:37	LB132951
	Beryllium	6.08	6.0	101	80 - 120	P	10/15/2024	11:37	LB132951
	Cadmium	5.92	6.0	99	80 - 120	P	10/15/2024	11:37	LB132951
	Calcium	2040	2000	102	80 - 120	P	10/15/2024	11:37	LB132951
	Chromium	9.81	10.0	98	80 - 120	P	10/15/2024	11:37	LB132951
	Cobalt	29.8	30.0	99	80 - 120	P	10/15/2024	11:37	LB132951
	Copper	22.5	20.0	112	80 - 120	P	10/15/2024	11:37	LB132951
	Iron	101	100	101	80 - 120	P	10/15/2024	11:37	LB132951
	Lead	12.0	12.0	100	80 - 120	P	10/15/2024	11:37	LB132951
	Magnesium	2170	2000	108	80 - 120	P	10/15/2024	11:37	LB132951
	Manganese	21.0	20.0	105	80 - 120	P	10/15/2024	11:37	LB132951
	Nickel	39.6	40.0	99	80 - 120	P	10/15/2024	11:37	LB132951
	Potassium	1900	2000	95	80 - 120	P	10/15/2024	11:37	LB132951
	Selenium	18.3	20.0	92	80 - 120	P	10/15/2024	11:37	LB132951
	Silver	11.6	10.0	116	80 - 120	P	10/15/2024	11:37	LB132951
	Sodium	1890	2000	95	80 - 120	P	10/15/2024	11:37	LB132951
	Thallium	37.6	40.0	94	80 - 120	P	10/15/2024	11:37	LB132951
	Vanadium	40.1	40.0	100	80 - 120	P	10/15/2024	11:37	LB132951
	Zinc	43.6	40.0	109	80 - 120	P	10/15/2024	11:37	LB132951

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10300	10000	103	90 - 110	P	10/15/2024	12:26	LB132951
	Antimony	5080	5000	102	90 - 110	P	10/15/2024	12:26	LB132951
	Arsenic	5030	5000	101	90 - 110	P	10/15/2024	12:26	LB132951
	Barium	10300	10000	102	90 - 110	P	10/15/2024	12:26	LB132951
	Beryllium	254	250	102	90 - 110	P	10/15/2024	12:26	LB132951
	Cadmium	2470	2500	99	90 - 110	P	10/15/2024	12:26	LB132951
	Calcium	25500	25000	102	90 - 110	P	10/15/2024	12:26	LB132951
	Chromium	1010	1000	101	90 - 110	P	10/15/2024	12:26	LB132951
	Cobalt	2470	2500	99	90 - 110	P	10/15/2024	12:26	LB132951
	Copper	1270	1250	101	90 - 110	P	10/15/2024	12:26	LB132951
	Iron	5020	5000	100	90 - 110	P	10/15/2024	12:26	LB132951
	Lead	4930	5000	99	90 - 110	P	10/15/2024	12:26	LB132951
	Magnesium	25400	25000	101	90 - 110	P	10/15/2024	12:26	LB132951
	Manganese	2540	2500	101	90 - 110	P	10/15/2024	12:26	LB132951
	Nickel	2470	2500	99	90 - 110	P	10/15/2024	12:26	LB132951
	Potassium	25400	25000	102	90 - 110	P	10/15/2024	12:26	LB132951
	Selenium	5080	5000	102	90 - 110	P	10/15/2024	12:26	LB132951
	Silver	1270	1250	102	90 - 110	P	10/15/2024	12:26	LB132951
	Sodium	25000	25000	100	90 - 110	P	10/15/2024	12:26	LB132951
	Thallium	5060	5000	101	90 - 110	P	10/15/2024	12:26	LB132951
	Vanadium	2580	2500	103	90 - 110	P	10/15/2024	12:26	LB132951
	Zinc	2590	2500	104	90 - 110	P	10/15/2024	12:26	LB132951
CCV02	Aluminum	10000	10000	100	90 - 110	P	10/15/2024	13:23	LB132951
	Antimony	4990	5000	100	90 - 110	P	10/15/2024	13:23	LB132951
	Arsenic	4920	5000	98	90 - 110	P	10/15/2024	13:23	LB132951
	Barium	9960	10000	100	90 - 110	P	10/15/2024	13:23	LB132951
	Beryllium	236	250	94	90 - 110	P	10/15/2024	13:23	LB132951
	Cadmium	2380	2500	95	90 - 110	P	10/15/2024	13:23	LB132951
	Calcium	24600	25000	98	90 - 110	P	10/15/2024	13:23	LB132951
	Chromium	962	1000	96	90 - 110	P	10/15/2024	13:23	LB132951
	Cobalt	2390	2500	96	90 - 110	P	10/15/2024	13:23	LB132951
	Copper	1240	1250	99	90 - 110	P	10/15/2024	13:23	LB132951
	Iron	4850	5000	97	90 - 110	P	10/15/2024	13:23	LB132951
	Lead	4760	5000	95	90 - 110	P	10/15/2024	13:23	LB132951

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24200	25000	97	90 - 110	P	10/15/2024	13:23	LB132951
	Manganese	2430	2500	97	90 - 110	P	10/15/2024	13:23	LB132951
	Nickel	2390	2500	96	90 - 110	P	10/15/2024	13:23	LB132951
	Potassium	24600	25000	99	90 - 110	P	10/15/2024	13:23	LB132951
	Selenium	5000	5000	100	90 - 110	P	10/15/2024	13:23	LB132951
	Silver	1210	1250	97	90 - 110	P	10/15/2024	13:23	LB132951
	Sodium	24000	25000	96	90 - 110	P	10/15/2024	13:23	LB132951
	Thallium	4870	5000	97	90 - 110	P	10/15/2024	13:23	LB132951
	Vanadium	2510	2500	100	90 - 110	P	10/15/2024	13:23	LB132951
	Zinc	2460	2500	98	90 - 110	P	10/15/2024	13:23	LB132951
CCV03	Aluminum	9810	10000	98	90 - 110	P	10/15/2024	14:07	LB132951
	Antimony	4830	5000	97	90 - 110	P	10/15/2024	14:07	LB132951
	Arsenic	4770	5000	96	90 - 110	P	10/15/2024	14:07	LB132951
	Barium	9670	10000	97	90 - 110	P	10/15/2024	14:07	LB132951
	Beryllium	237	250	95	90 - 110	P	10/15/2024	14:07	LB132951
	Cadmium	2320	2500	93	90 - 110	P	10/15/2024	14:07	LB132951
	Calcium	23800	25000	95	90 - 110	P	10/15/2024	14:07	LB132951
	Chromium	929	1000	93	90 - 110	P	10/15/2024	14:07	LB132951
	Cobalt	2320	2500	93	90 - 110	P	10/15/2024	14:07	LB132951
	Copper	1200	1250	96	90 - 110	P	10/15/2024	14:07	LB132951
	Iron	4530	5000	91	90 - 110	P	10/15/2024	14:07	LB132951
	Lead	4630	5000	93	90 - 110	P	10/15/2024	14:07	LB132951
	Magnesium	23700	25000	95	90 - 110	P	10/15/2024	14:07	LB132951
	Manganese	2380	2500	95	90 - 110	P	10/15/2024	14:07	LB132951
	Nickel	2320	2500	93	90 - 110	P	10/15/2024	14:07	LB132951
	Potassium	23300	25000	93	90 - 110	P	10/15/2024	14:07	LB132951
	Selenium	4840	5000	97	90 - 110	P	10/15/2024	14:07	LB132951
	Silver	1170	1250	94	90 - 110	P	10/15/2024	14:07	LB132951
	Sodium	22800	25000	91	90 - 110	P	10/15/2024	14:07	LB132951
	Thallium	4780	5000	96	90 - 110	P	10/15/2024	14:07	LB132951
	Vanadium	2430	2500	97	90 - 110	P	10/15/2024	14:07	LB132951
	Zinc	2400	2500	96	90 - 110	P	10/15/2024	14:07	LB132951
CCV04	Aluminum	10300	10000	103	90 - 110	P	10/15/2024	14:35	LB132951
	Antimony	4810	5000	96	90 - 110	P	10/15/2024	14:35	LB132951

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4720	5000	94	90 - 110	P	10/15/2024	14:35	LB132951
	Barium	10200	10000	102	90 - 110	P	10/15/2024	14:35	LB132951
	Beryllium	255	250	102	90 - 110	P	10/15/2024	14:35	LB132951
	Cadmium	2320	2500	93	90 - 110	P	10/15/2024	14:35	LB132951
	Calcium	25100	25000	100	90 - 110	P	10/15/2024	14:35	LB132951
	Chromium	961	1000	96	90 - 110	P	10/15/2024	14:35	LB132951
	Cobalt	2330	2500	93	90 - 110	P	10/15/2024	14:35	LB132951
	Copper	1200	1250	96	90 - 110	P	10/15/2024	14:35	LB132951
	Iron	4690	5000	94	90 - 110	P	10/15/2024	14:35	LB132951
	Lead	4650	5000	93	90 - 110	P	10/15/2024	14:35	LB132951
	Magnesium	25000	25000	100	90 - 110	P	10/15/2024	14:35	LB132951
	Manganese	2520	2500	101	90 - 110	P	10/15/2024	14:35	LB132951
	Nickel	2330	2500	93	90 - 110	P	10/15/2024	14:35	LB132951
	Potassium	24000	25000	96	90 - 110	P	10/15/2024	14:35	LB132951
	Selenium	4740	5000	95	90 - 110	P	10/15/2024	14:35	LB132951
	Silver	1220	1250	97	90 - 110	P	10/15/2024	14:35	LB132951
	Sodium	23500	25000	94	90 - 110	P	10/15/2024	14:35	LB132951
	Thallium	4740	5000	95	90 - 110	P	10/15/2024	14:35	LB132951
	Vanadium	2550	2500	102	90 - 110	P	10/15/2024	14:35	LB132951
	Zinc	2470	2500	99	90 - 110	P	10/15/2024	14:35	LB132951
CCV05	Aluminum	9830	10000	98	90 - 110	P	10/15/2024	15:26	LB132951
	Antimony	4880	5000	98	90 - 110	P	10/15/2024	15:26	LB132951
	Arsenic	4810	5000	96	90 - 110	P	10/15/2024	15:26	LB132951
	Barium	9850	10000	98	90 - 110	P	10/15/2024	15:26	LB132951
	Beryllium	236	250	95	90 - 110	P	10/15/2024	15:26	LB132951
	Cadmium	2370	2500	95	90 - 110	P	10/15/2024	15:26	LB132951
	Calcium	24300	25000	97	90 - 110	P	10/15/2024	15:26	LB132951
	Chromium	949	1000	95	90 - 110	P	10/15/2024	15:26	LB132951
	Cobalt	2370	2500	95	90 - 110	P	10/15/2024	15:26	LB132951
	Copper	1220	1250	97	90 - 110	P	10/15/2024	15:26	LB132951
	Iron	4740	5000	95	90 - 110	P	10/15/2024	15:26	LB132951
	Lead	4740	5000	95	90 - 110	P	10/15/2024	15:26	LB132951
	Magnesium	24000	25000	96	90 - 110	P	10/15/2024	15:26	LB132951
	Manganese	2410	2500	96	90 - 110	P	10/15/2024	15:26	LB132951

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2370	2500	95	90 - 110	P	10/15/2024	15:26	LB132951
	Potassium	24000	25000	96	90 - 110	P	10/15/2024	15:26	LB132951
	Selenium	4850	5000	97	90 - 110	P	10/15/2024	15:26	LB132951
	Silver	1200	1250	96	90 - 110	P	10/15/2024	15:26	LB132951
	Sodium	23200	25000	93	90 - 110	P	10/15/2024	15:26	LB132951
	Thallium	4790	5000	96	90 - 110	P	10/15/2024	15:26	LB132951
	Vanadium	2460	2500	98	90 - 110	P	10/15/2024	15:26	LB132951
	Zinc	2440	2500	98	90 - 110	P	10/15/2024	15:26	LB132951
CCV06	Aluminum	9870	10000	99	90 - 110	P	10/15/2024	16:17	LB132951
	Antimony	4840	5000	97	90 - 110	P	10/15/2024	16:17	LB132951
	Arsenic	4780	5000	96	90 - 110	P	10/15/2024	16:17	LB132951
	Barium	9880	10000	99	90 - 110	P	10/15/2024	16:17	LB132951
	Beryllium	250	250	100	90 - 110	P	10/15/2024	16:17	LB132951
	Cadmium	2350	2500	94	90 - 110	P	10/15/2024	16:17	LB132951
	Calcium	24300	25000	97	90 - 110	P	10/15/2024	16:17	LB132951
	Chromium	951	1000	95	90 - 110	P	10/15/2024	16:17	LB132951
	Cobalt	2360	2500	94	90 - 110	P	10/15/2024	16:17	LB132951
	Copper	1210	1250	97	90 - 110	P	10/15/2024	16:17	LB132951
	Iron	4620	5000	92	90 - 110	P	10/15/2024	16:17	LB132951
	Lead	4710	5000	94	90 - 110	P	10/15/2024	16:17	LB132951
	Magnesium	24300	25000	97	90 - 110	P	10/15/2024	16:17	LB132951
	Manganese	2440	2500	97	90 - 110	P	10/15/2024	16:17	LB132951
	Nickel	2360	2500	94	90 - 110	P	10/15/2024	16:17	LB132951
	Potassium	23100	25000	92	90 - 110	P	10/15/2024	16:17	LB132951
	Selenium	4820	5000	96	90 - 110	P	10/15/2024	16:17	LB132951
	Silver	1200	1250	96	90 - 110	P	10/15/2024	16:17	LB132951
	Sodium	22600	25000	90	90 - 110	P	10/15/2024	16:17	LB132951
	Thallium	4940	5000	99	90 - 110	P	10/15/2024	16:17	LB132951
	Vanadium	2460	2500	98	90 - 110	P	10/15/2024	16:17	LB132951
	Zinc	2290	2500	92	90 - 110	P	10/15/2024	16:17	LB132951
CCV07	Aluminum	9910	10000	99	90 - 110	P	10/15/2024	17:14	LB132951
	Antimony	5000	5000	100	90 - 110	P	10/15/2024	17:14	LB132951
	Arsenic	4940	5000	99	90 - 110	P	10/15/2024	17:14	LB132951
	Barium	9740	10000	97	90 - 110	P	10/15/2024	17:14	LB132951

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	248	250	99	90 - 110	P	10/15/2024	17:14	LB132951
	Cadmium	2400	2500	96	90 - 110	P	10/15/2024	17:14	LB132951
	Calcium	24200	25000	97	90 - 110	P	10/15/2024	17:14	LB132951
	Chromium	948	1000	95	90 - 110	P	10/15/2024	17:14	LB132951
	Cobalt	2400	2500	96	90 - 110	P	10/15/2024	17:14	LB132951
	Copper	1240	1250	99	90 - 110	P	10/15/2024	17:14	LB132951
	Iron	4590	5000	92	90 - 110	P	10/15/2024	17:14	LB132951
	Lead	4800	5000	96	90 - 110	P	10/15/2024	17:14	LB132951
	Magnesium	24100	25000	97	90 - 110	P	10/15/2024	17:14	LB132951
	Manganese	2420	2500	97	90 - 110	P	10/15/2024	17:14	LB132951
	Nickel	2410	2500	96	90 - 110	P	10/15/2024	17:14	LB132951
	Potassium	22900	25000	92	90 - 110	P	10/15/2024	17:14	LB132951
	Selenium	5020	5000	100	90 - 110	P	10/15/2024	17:14	LB132951
	Silver	1200	1250	96	90 - 110	P	10/15/2024	17:14	LB132951
	Sodium	26100	25000	104	90 - 110	P	10/15/2024	17:14	LB132951
	Thallium	4970	5000	99	90 - 110	P	10/15/2024	17:14	LB132951
	Vanadium	2470	2500	99	90 - 110	P	10/15/2024	17:14	LB132951
	Zinc	2590	2500	104	90 - 110	P	10/15/2024	17:14	LB132951
CCV08	Aluminum	10000	10000	100	90 - 110	P	10/15/2024	17:49	LB132951
	Antimony	4980	5000	100	90 - 110	P	10/15/2024	17:49	LB132951
	Arsenic	4880	5000	98	90 - 110	P	10/15/2024	17:49	LB132951
	Barium	9900	10000	99	90 - 110	P	10/15/2024	17:49	LB132951
	Beryllium	242	250	97	90 - 110	P	10/15/2024	17:49	LB132951
	Cadmium	2370	2500	95	90 - 110	P	10/15/2024	17:49	LB132951
	Calcium	24400	25000	98	90 - 110	P	10/15/2024	17:49	LB132951
	Chromium	968	1000	97	90 - 110	P	10/15/2024	17:49	LB132951
	Cobalt	2380	2500	95	90 - 110	P	10/15/2024	17:49	LB132951
	Copper	1230	1250	99	90 - 110	P	10/15/2024	17:49	LB132951
	Iron	4820	5000	96	90 - 110	P	10/15/2024	17:49	LB132951
	Lead	4750	5000	95	90 - 110	P	10/15/2024	17:49	LB132951
	Magnesium	24300	25000	97	90 - 110	P	10/15/2024	17:49	LB132951
	Manganese	2430	2500	97	90 - 110	P	10/15/2024	17:49	LB132951
	Nickel	2380	2500	95	90 - 110	P	10/15/2024	17:49	LB132951
	Potassium	23900	25000	96	90 - 110	P	10/15/2024	17:49	LB132951

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	4960	5000	99	90 - 110	P	10/15/2024	17:49	LB132951
	Silver	1220	1250	98	90 - 110	P	10/15/2024	17:49	LB132951
	Sodium	23200	25000	93	90 - 110	P	10/15/2024	17:49	LB132951
	Thallium	4810	5000	96	90 - 110	P	10/15/2024	17:49	LB132951
	Vanadium	2510	2500	100	90 - 110	P	10/15/2024	17:49	LB132951
	Zinc	2700	2500	108	90 - 110	P	10/15/2024	17:49	LB132951

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2330	2500	93	90 - 110	P	10/18/2024	13:08	LB133014
	Antimony	1020	1000	102	90 - 110	P	10/18/2024	13:08	LB133014
	Arsenic	1030	1000	103	90 - 110	P	10/18/2024	13:08	LB133014
	Barium	498	520	96	90 - 110	P	10/18/2024	13:08	LB133014
	Beryllium	504	510	99	90 - 110	P	10/18/2024	13:08	LB133014
	Cadmium	517	510	101	90 - 110	P	10/18/2024	13:08	LB133014
	Calcium	9990	10000	100	90 - 110	P	10/18/2024	13:08	LB133014
	Chromium	551	520	106	90 - 110	P	10/18/2024	13:08	LB133014
	Cobalt	533	520	103	90 - 110	P	10/18/2024	13:08	LB133014
	Copper	544	510	107	90 - 110	P	10/18/2024	13:08	LB133014
	Iron	10500	10000	104	90 - 110	P	10/18/2024	13:08	LB133014
	Lead	1030	1000	103	90 - 110	P	10/18/2024	13:08	LB133014
	Magnesium	5790	6000	96	90 - 110	P	10/18/2024	13:08	LB133014
	Manganese	512	520	98	90 - 110	P	10/18/2024	13:08	LB133014
	Nickel	536	530	101	90 - 110	P	10/18/2024	13:08	LB133014
	Potassium	10300	9900	104	90 - 110	P	10/18/2024	13:08	LB133014
	Selenium	1030	1000	103	90 - 110	P	10/18/2024	13:08	LB133014
	Silver	269	250	108	90 - 110	P	10/18/2024	13:08	LB133014
	Sodium	10100	10000	101	90 - 110	P	10/18/2024	13:08	LB133014
	Thallium	1080	1000	108	90 - 110	P	10/18/2024	13:08	LB133014
	Vanadium	486	500	97	90 - 110	P	10/18/2024	13:08	LB133014
	Zinc	1070	1000	107	90 - 110	P	10/18/2024	13:08	LB133014

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	95.8	100	96	80 - 120	P	10/18/2024	13:13	LB133014
	Antimony	47.7	50.0	95	80 - 120	P	10/18/2024	13:13	LB133014
	Arsenic	19.3	20.0	97	80 - 120	P	10/18/2024	13:13	LB133014
	Barium	92.1	100	92	80 - 120	P	10/18/2024	13:13	LB133014
	Beryllium	5.87	6.0	98	80 - 120	P	10/18/2024	13:13	LB133014
	Cadmium	5.61	6.0	94	80 - 120	P	10/18/2024	13:13	LB133014
	Calcium	1900	2000	95	80 - 120	P	10/18/2024	13:13	LB133014
	Chromium	9.84	10.0	98	80 - 120	P	10/18/2024	13:13	LB133014
	Cobalt	28.9	30.0	96	80 - 120	P	10/18/2024	13:13	LB133014
	Copper	21.7	20.0	108	80 - 120	P	10/18/2024	13:13	LB133014
	Iron	105	100	105	80 - 120	P	10/18/2024	13:13	LB133014
	Lead	14.2	12.0	118	80 - 120	P	10/18/2024	13:13	LB133014
	Magnesium	2010	2000	100	80 - 120	P	10/18/2024	13:13	LB133014
	Manganese	19.0	20.0	95	80 - 120	P	10/18/2024	13:13	LB133014
	Nickel	38.7	40.0	97	80 - 120	P	10/18/2024	13:13	LB133014
	Potassium	1920	2000	96	80 - 120	P	10/18/2024	13:13	LB133014
	Selenium	17.4	20.0	87	80 - 120	P	10/18/2024	13:13	LB133014
	Silver	11.8	10.0	118	80 - 120	P	10/18/2024	13:13	LB133014
	Sodium	1880	2000	94	80 - 120	P	10/18/2024	13:13	LB133014
	Thallium	39.2	40.0	98	80 - 120	P	10/18/2024	13:13	LB133014
	Vanadium	37.8	40.0	94	80 - 120	P	10/18/2024	13:13	LB133014
	Zinc	41.1	40.0	103	80 - 120	P	10/18/2024	13:13	LB133014

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9900	10000	99	90 - 110	P	10/18/2024	14:00	LB133014
	Antimony	5110	5000	102	90 - 110	P	10/18/2024	14:00	LB133014
	Arsenic	5310	5000	106	90 - 110	P	10/18/2024	14:00	LB133014
	Barium	9920	10000	99	90 - 110	P	10/18/2024	14:00	LB133014
	Beryllium	251	250	100	90 - 110	P	10/18/2024	14:00	LB133014
	Cadmium	2620	2500	105	90 - 110	P	10/18/2024	14:00	LB133014
	Calcium	25000	25000	100	90 - 110	P	10/18/2024	14:00	LB133014
	Chromium	1030	1000	103	90 - 110	P	10/18/2024	14:00	LB133014
	Cobalt	2530	2500	101	90 - 110	P	10/18/2024	14:00	LB133014
	Copper	1280	1250	102	90 - 110	P	10/18/2024	14:00	LB133014
	Iron	5120	5000	102	90 - 110	P	10/18/2024	14:00	LB133014
	Lead	5220	5000	104	90 - 110	P	10/18/2024	14:00	LB133014
	Magnesium	25000	25000	100	90 - 110	P	10/18/2024	14:00	LB133014
	Manganese	2480	2500	99	90 - 110	P	10/18/2024	14:00	LB133014
	Nickel	2530	2500	101	90 - 110	P	10/18/2024	14:00	LB133014
	Potassium	25400	25000	102	90 - 110	P	10/18/2024	14:00	LB133014
	Selenium	5250	5000	105	90 - 110	P	10/18/2024	14:00	LB133014
	Silver	1280	1250	103	90 - 110	P	10/18/2024	14:00	LB133014
	Sodium	25200	25000	101	90 - 110	P	10/18/2024	14:00	LB133014
	Thallium	5120	5000	102	90 - 110	P	10/18/2024	14:00	LB133014
	Vanadium	2490	2500	100	90 - 110	P	10/18/2024	14:00	LB133014
	Zinc	2560	2500	102	90 - 110	P	10/18/2024	14:00	LB133014
CCV02	Aluminum	9570	10000	96	90 - 110	P	10/18/2024	14:53	LB133014
	Antimony	4850	5000	97	90 - 110	P	10/18/2024	14:53	LB133014
	Arsenic	5040	5000	101	90 - 110	P	10/18/2024	14:53	LB133014
	Barium	9490	10000	95	90 - 110	P	10/18/2024	14:53	LB133014
	Beryllium	246	250	98	90 - 110	P	10/18/2024	14:53	LB133014
	Cadmium	2500	2500	100	90 - 110	P	10/18/2024	14:53	LB133014
	Calcium	24000	25000	96	90 - 110	P	10/18/2024	14:53	LB133014
	Chromium	1000	1000	100	90 - 110	P	10/18/2024	14:53	LB133014
	Cobalt	2410	2500	96	90 - 110	P	10/18/2024	14:53	LB133014
	Copper	1210	1250	96	90 - 110	P	10/18/2024	14:53	LB133014
	Iron	5030	5000	100	90 - 110	P	10/18/2024	14:53	LB133014
	Lead	5010	5000	100	90 - 110	P	10/18/2024	14:53	LB133014

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24000	25000	96	90 - 110	P	10/18/2024	14:53	LB133014
	Manganese	2390	2500	96	90 - 110	P	10/18/2024	14:53	LB133014
	Nickel	2410	2500	96	90 - 110	P	10/18/2024	14:53	LB133014
	Potassium	24900	25000	100	90 - 110	P	10/18/2024	14:53	LB133014
	Selenium	4990	5000	100	90 - 110	P	10/18/2024	14:53	LB133014
	Silver	1260	1250	101	90 - 110	P	10/18/2024	14:53	LB133014
	Sodium	24800	25000	99	90 - 110	P	10/18/2024	14:53	LB133014
	Thallium	5350	5000	107	90 - 110	P	10/18/2024	14:53	LB133014
	Vanadium	2390	2500	96	90 - 110	P	10/18/2024	14:53	LB133014
	Zinc	2500	2500	100	90 - 110	P	10/18/2024	14:53	LB133014
CCV03	Aluminum	9330	10000	93	90 - 110	P	10/18/2024	16:05	LB133014
	Antimony	4690	5000	94	90 - 110	P	10/18/2024	16:05	LB133014
	Arsenic	4920	5000	98	90 - 110	P	10/18/2024	16:05	LB133014
	Barium	9220	10000	92	90 - 110	P	10/18/2024	16:05	LB133014
	Beryllium	255	250	102	90 - 110	P	10/18/2024	16:05	LB133014
	Cadmium	2500	2500	100	90 - 110	P	10/18/2024	16:05	LB133014
	Calcium	23900	25000	96	90 - 110	P	10/18/2024	16:05	LB133014
	Chromium	984	1000	98	90 - 110	P	10/18/2024	16:05	LB133014
	Cobalt	2390	2500	96	90 - 110	P	10/18/2024	16:05	LB133014
	Copper	1180	1250	94	90 - 110	P	10/18/2024	16:05	LB133014
	Iron	4600	5000	92	90 - 110	P	10/18/2024	16:05	LB133014
	Lead	4990	5000	100	90 - 110	P	10/18/2024	16:05	LB133014
	Magnesium	23600	25000	94	90 - 110	P	10/18/2024	16:05	LB133014
	Manganese	2290	2500	92	90 - 110	P	10/18/2024	16:05	LB133014
	Nickel	2400	2500	96	90 - 110	P	10/18/2024	16:05	LB133014
	Potassium	22500	25000	90	90 - 110	P	10/18/2024	16:05	LB133014
	Selenium	4840	5000	97	90 - 110	P	10/18/2024	16:05	LB133014
	Silver	1200	1250	96	90 - 110	P	10/18/2024	16:05	LB133014
	Sodium	24500	25000	98	90 - 110	P	10/18/2024	16:05	LB133014
	Thallium	5190	5000	104	90 - 110	P	10/18/2024	16:05	LB133014
	Vanadium	2310	2500	92	90 - 110	P	10/18/2024	16:05	LB133014
	Zinc	2360	2500	95	90 - 110	P	10/18/2024	16:05	LB133014
CCV04	Aluminum	9210	10000	92	90 - 110	P	10/18/2024	17:28	LB133014
	Antimony	4730	5000	95	90 - 110	P	10/18/2024	17:28	LB133014

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4890	5000	98	90 - 110	P	10/18/2024	17:28	LB133014
	Barium	9280	10000	93	90 - 110	P	10/18/2024	17:28	LB133014
	Beryllium	242	250	97	90 - 110	P	10/18/2024	17:28	LB133014
	Cadmium	2420	2500	97	90 - 110	P	10/18/2024	17:28	LB133014
	Calcium	23100	25000	92	90 - 110	P	10/18/2024	17:28	LB133014
	Chromium	954	1000	95	90 - 110	P	10/18/2024	17:28	LB133014
	Cobalt	2330	2500	93	90 - 110	P	10/18/2024	17:28	LB133014
	Copper	1170	1250	94	90 - 110	P	10/18/2024	17:28	LB133014
	Iron	4420	5000	88	90 - 110	P	10/18/2024	17:28	LB133014
	Lead	4850	5000	97	90 - 110	P	10/18/2024	17:28	LB133014
	Magnesium	22400	25000	90	90 - 110	P	10/18/2024	17:28	LB133014
	Manganese	2230	2500	89	90 - 110	P	10/18/2024	17:28	LB133014
	Nickel	2330	2500	93	90 - 110	P	10/18/2024	17:28	LB133014
	Potassium	23500	25000	94	90 - 110	P	10/18/2024	17:28	LB133014
	Selenium	4850	5000	97	90 - 110	P	10/18/2024	17:28	LB133014
	Silver	1200	1250	96	90 - 110	P	10/18/2024	17:28	LB133014
	Sodium	23300	25000	93	90 - 110	P	10/18/2024	17:28	LB133014
	Thallium	5110	5000	102	90 - 110	P	10/18/2024	17:28	LB133014
	Vanadium	2250	2500	90	90 - 110	P	10/18/2024	17:28	LB133014
	Zinc	2370	2500	95	90 - 110	P	10/18/2024	17:28	LB133014

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.19	0.2	93	40 - 160	CV	10/14/2024	11:45	LB132914
CRI01	Aluminum	105	100	105	40 - 160	P	10/15/2024	11:46	LB132951
	Antimony	50.1	50.0	100	40 - 160	P	10/15/2024	11:46	LB132951
	Arsenic	20.1	20.0	100	40 - 160	P	10/15/2024	11:46	LB132951
	Barium	97.7	100	98	40 - 160	P	10/15/2024	11:46	LB132951
	Beryllium	6.07	6.0	101	40 - 160	P	10/15/2024	11:46	LB132951
	Cadmium	5.91	6.0	98	40 - 160	P	10/15/2024	11:46	LB132951
	Calcium	2020	2000	101	40 - 160	P	10/15/2024	11:46	LB132951
	Chromium	10.2	10.0	102	40 - 160	P	10/15/2024	11:46	LB132951
	Cobalt	29.9	30.0	100	40 - 160	P	10/15/2024	11:46	LB132951
	Copper	22.3	20.0	111	40 - 160	P	10/15/2024	11:46	LB132951
	Iron	105	100	106	40 - 160	P	10/15/2024	11:46	LB132951
	Lead	14.6	12.0	122	40 - 160	P	10/15/2024	11:46	LB132951
	Magnesium	2150	2000	108	40 - 160	P	10/15/2024	11:46	LB132951
	Manganese	20.8	20.0	104	40 - 160	P	10/15/2024	11:46	LB132951
	Nickel	39.8	40.0	99	40 - 160	P	10/15/2024	11:46	LB132951
	Potassium	1970	2000	98	40 - 160	P	10/15/2024	11:46	LB132951
	Selenium	15.6	20.0	78	40 - 160	P	10/15/2024	11:46	LB132951
	Silver	12.7	10.0	127	40 - 160	P	10/15/2024	11:46	LB132951
	Sodium	1930	2000	97	40 - 160	P	10/15/2024	11:46	LB132951
	Thallium	36.5	40.0	91	40 - 160	P	10/15/2024	11:46	LB132951
	Vanadium	40.5	40.0	101	40 - 160	P	10/15/2024	11:46	LB132951
	Zinc	43.5	40.0	109	40 - 160	P	10/15/2024	11:46	LB132951
CRI01	Aluminum	93.0	100	93	40 - 160	P	10/18/2024	13:27	LB133014
	Antimony	48.2	50.0	96	40 - 160	P	10/18/2024	13:27	LB133014
	Arsenic	20.0	20.0	100	40 - 160	P	10/18/2024	13:27	LB133014
	Barium	92.1	100	92	40 - 160	P	10/18/2024	13:27	LB133014
	Beryllium	5.98	6.0	100	40 - 160	P	10/18/2024	13:27	LB133014
	Cadmium	5.44	6.0	91	40 - 160	P	10/18/2024	13:27	LB133014
	Calcium	1910	2000	96	40 - 160	P	10/18/2024	13:27	LB133014
	Chromium	9.88	10.0	99	40 - 160	P	10/18/2024	13:27	LB133014
	Cobalt	28.8	30.0	96	40 - 160	P	10/18/2024	13:27	LB133014
	Copper	21.7	20.0	108	40 - 160	P	10/18/2024	13:27	LB133014
	Iron	105	100	105	40 - 160	P	10/18/2024	13:27	LB133014
	Lead	12.8	12.0	107	40 - 160	P	10/18/2024	13:27	LB133014

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Magnesium	2030	2000	102	40 - 160	P	10/18/2024	13:27	LB133014
	Manganese	19.3	20.0	96	40 - 160	P	10/18/2024	13:27	LB133014
	Nickel	38.5	40.0	96	40 - 160	P	10/18/2024	13:27	LB133014
	Potassium	1980	2000	99	40 - 160	P	10/18/2024	13:27	LB133014
	Selenium	17.9	20.0	89	40 - 160	P	10/18/2024	13:27	LB133014
	Silver	12.4	10.0	124	40 - 160	P	10/18/2024	13:27	LB133014
	Sodium	1940	2000	97	40 - 160	P	10/18/2024	13:27	LB133014
	Thallium	38.6	40.0	97	40 - 160	P	10/18/2024	13:27	LB133014
	Vanadium	37.5	40.0	94	40 - 160	P	10/18/2024	13:27	LB133014
	Zinc	42.5	40.0	106	40 - 160	P	10/18/2024	13:27	LB133014

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB36	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	11:38	LB132914

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB13	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	11:43	LB132914
CCB14	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	12:13	LB132914
CCB15	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	12:41	LB132914
CCB16	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	13:12	LB132914
CCB17	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	13:39	LB132914
CCB18	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	14:06	LB132914
CCB19	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	14:34	LB132914
CCB20	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	15:01	LB132914
CCB21	Mercury	0.20	+/-0.20	U	0.20	CV	10/14/2024	15:17	LB132914

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	10/15/2024	11:41	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	11:41	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	11:41	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	11:41	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	11:41	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	11:41	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	11:41	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	11:41	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	11:41	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	11:41	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	11:41	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	11:41	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	11:41	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	11:41	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	11:41	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	11:41	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	11:41	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	11:41	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	11:41	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	11:41	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	11:41	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	11:41	LB132951

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	10/15/2024	12:30	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	12:30	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	12:30	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	12:30	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	12:30	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	12:30	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	12:30	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	12:30	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	12:30	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	12:30	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	12:30	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	12:30	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	12:30	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	12:30	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	12:30	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	12:30	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	12:30	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	12:30	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	12:30	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	12:30	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	12:30	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	12:30	LB132951
CCB02	Aluminum	100	+/-100	U	100	P	10/15/2024	13:27	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	13:27	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	13:27	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	13:27	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	13:27	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	13:27	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	13:27	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	13:27	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	13:27	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	13:27	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	13:27	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	13:27	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	13:27	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	13:27	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	13:27	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	13:27	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	13:27	LB132951

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	13:27	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	13:27	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	13:27	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	13:27	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	13:27	LB132951
CCB03	Aluminum	100	+/-100	U	100	P	10/15/2024	14:11	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	14:11	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	14:11	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	14:11	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	14:11	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	14:11	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	14:11	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	14:11	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	14:11	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	14:11	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	14:11	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	14:11	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	14:11	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	14:11	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	14:11	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	14:11	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	14:11	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	14:11	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	14:11	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	14:11	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	14:11	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	14:11	LB132951
CCB04	Aluminum	100	+/-100	U	100	P	10/15/2024	14:39	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	14:39	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	14:39	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	14:39	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	14:39	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	14:39	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	14:39	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	14:39	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	14:39	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	14:39	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	14:39	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	14:39	LB132951

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	14:39	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	14:39	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	14:39	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	14:39	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	14:39	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	14:39	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	14:39	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	14:39	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	14:39	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	14:39	LB132951
CCB05	Aluminum	100	+/-100	U	100	P	10/15/2024	15:30	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	15:30	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	15:30	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	15:30	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	15:30	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	15:30	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	15:30	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	15:30	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	15:30	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	15:30	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	15:30	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	15:30	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	15:30	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	15:30	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	15:30	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	15:30	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	15:30	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	15:30	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	15:30	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	15:30	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	15:30	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	15:30	LB132951
CCB06	Aluminum	100	+/-100	U	100	P	10/15/2024	16:21	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	16:21	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	16:21	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	16:21	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	16:21	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	16:21	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	16:21	LB132951

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	16:21	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	16:21	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	16:21	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	16:21	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	16:21	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	16:21	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	16:21	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	16:21	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	16:21	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	16:21	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	16:21	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	16:21	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	16:21	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	16:21	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	16:21	LB132951
CCB07	Aluminum	100	+/-100	U	100	P	10/15/2024	17:18	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	17:18	LB132951
	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	17:18	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	17:18	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	17:18	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	17:18	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	17:18	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	17:18	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	17:18	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	17:18	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	17:18	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	17:18	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	17:18	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	17:18	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	17:18	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	17:18	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	17:18	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	17:18	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	17:18	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	17:18	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	17:18	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	17:18	LB132951
CCB08	Aluminum	100	+/-100	U	100	P	10/15/2024	17:53	LB132951
	Antimony	50.0	+/-50.0	U	50.0	P	10/15/2024	17:53	LB132951

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	10/15/2024	17:53	LB132951
	Barium	100	+/-100	U	100	P	10/15/2024	17:53	LB132951
	Beryllium	6.00	+/-6.00	U	6.00	P	10/15/2024	17:53	LB132951
	Cadmium	6.00	+/-6.00	U	6.00	P	10/15/2024	17:53	LB132951
	Calcium	2000	+/-2000	U	2000	P	10/15/2024	17:53	LB132951
	Chromium	10.0	+/-10.0	U	10.0	P	10/15/2024	17:53	LB132951
	Cobalt	30.0	+/-30.0	U	30.0	P	10/15/2024	17:53	LB132951
	Copper	20.0	+/-20.0	U	20.0	P	10/15/2024	17:53	LB132951
	Iron	100	+/-100	U	100	P	10/15/2024	17:53	LB132951
	Lead	12.0	+/-12.0	U	12.0	P	10/15/2024	17:53	LB132951
	Magnesium	2000	+/-2000	U	2000	P	10/15/2024	17:53	LB132951
	Manganese	20.0	+/-20.0	U	20.0	P	10/15/2024	17:53	LB132951
	Nickel	40.0	+/-40.0	U	40.0	P	10/15/2024	17:53	LB132951
	Potassium	2000	+/-2000	U	2000	P	10/15/2024	17:53	LB132951
	Selenium	20.0	+/-20.0	U	20.0	P	10/15/2024	17:53	LB132951
	Silver	10.0	+/-10.0	U	10.0	P	10/15/2024	17:53	LB132951
	Sodium	2000	+/-2000	U	2000	P	10/15/2024	17:53	LB132951
	Thallium	40.0	+/-40.0	U	40.0	P	10/15/2024	17:53	LB132951
	Vanadium	40.0	+/-40.0	U	40.0	P	10/15/2024	17:53	LB132951
	Zinc	40.0	+/-40.0	U	40.0	P	10/15/2024	17:53	LB132951

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	10/18/2024	13:23	LB133014
	Antimony	50.0	+/-50.0	U	50.0	P	10/18/2024	13:23	LB133014
	Arsenic	20.0	+/-20.0	U	20.0	P	10/18/2024	13:23	LB133014
	Barium	100	+/-100	U	100	P	10/18/2024	13:23	LB133014
	Beryllium	6.00	+/-6.00	U	6.00	P	10/18/2024	13:23	LB133014
	Cadmium	6.00	+/-6.00	U	6.00	P	10/18/2024	13:23	LB133014
	Calcium	2000	+/-2000	U	2000	P	10/18/2024	13:23	LB133014
	Chromium	10.0	+/-10.0	U	10.0	P	10/18/2024	13:23	LB133014
	Cobalt	30.0	+/-30.0	U	30.0	P	10/18/2024	13:23	LB133014
	Copper	20.0	+/-20.0	U	20.0	P	10/18/2024	13:23	LB133014
	Iron	100	+/-100	U	100	P	10/18/2024	13:23	LB133014
	Lead	12.0	+/-12.0	U	12.0	P	10/18/2024	13:23	LB133014
	Magnesium	2000	+/-2000	U	2000	P	10/18/2024	13:23	LB133014
	Manganese	20.0	+/-20.0	U	20.0	P	10/18/2024	13:23	LB133014
	Nickel	40.0	+/-40.0	U	40.0	P	10/18/2024	13:23	LB133014
	Potassium	2000	+/-2000	U	2000	P	10/18/2024	13:23	LB133014
	Selenium	20.0	+/-20.0	U	20.0	P	10/18/2024	13:23	LB133014
	Silver	10.0	+/-10.0	U	10.0	P	10/18/2024	13:23	LB133014
	Sodium	2000	+/-2000	U	2000	P	10/18/2024	13:23	LB133014
	Thallium	40.0	+/-40.0	U	40.0	P	10/18/2024	13:23	LB133014
	Vanadium	40.0	+/-40.0	U	40.0	P	10/18/2024	13:23	LB133014
	Zinc	40.0	+/-40.0	U	40.0	P	10/18/2024	13:23	LB133014

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	10/18/2024	14:05	LB133014
	Antimony	50.0	+/-50.0	U	50.0	P	10/18/2024	14:05	LB133014
	Arsenic	20.0	+/-20.0	U	20.0	P	10/18/2024	14:05	LB133014
	Barium	100	+/-100	U	100	P	10/18/2024	14:05	LB133014
	Beryllium	6.00	+/-6.00	U	6.00	P	10/18/2024	14:05	LB133014
	Cadmium	0.48	+/-6.00	J	6.00	P	10/18/2024	14:05	LB133014
	Calcium	2000	+/-2000	U	2000	P	10/18/2024	14:05	LB133014
	Chromium	10.0	+/-10.0	U	10.0	P	10/18/2024	14:05	LB133014
	Cobalt	30.0	+/-30.0	U	30.0	P	10/18/2024	14:05	LB133014
	Copper	20.0	+/-20.0	U	20.0	P	10/18/2024	14:05	LB133014
	Iron	100	+/-100	U	100	P	10/18/2024	14:05	LB133014
	Lead	12.0	+/-12.0	U	12.0	P	10/18/2024	14:05	LB133014
	Magnesium	2000	+/-2000	U	2000	P	10/18/2024	14:05	LB133014
	Manganese	20.0	+/-20.0	U	20.0	P	10/18/2024	14:05	LB133014
	Nickel	40.0	+/-40.0	U	40.0	P	10/18/2024	14:05	LB133014
	Potassium	2000	+/-2000	U	2000	P	10/18/2024	14:05	LB133014
	Selenium	20.0	+/-20.0	U	20.0	P	10/18/2024	14:05	LB133014
	Silver	10.0	+/-10.0	U	10.0	P	10/18/2024	14:05	LB133014
	Sodium	2000	+/-2000	U	2000	P	10/18/2024	14:05	LB133014
	Thallium	40.0	+/-40.0	U	40.0	P	10/18/2024	14:05	LB133014
	Vanadium	40.0	+/-40.0	U	40.0	P	10/18/2024	14:05	LB133014
	Zinc	40.0	+/-40.0	U	40.0	P	10/18/2024	14:05	LB133014
CCB02	Aluminum	100	+/-100	U	100	P	10/18/2024	14:57	LB133014
	Antimony	50.0	+/-50.0	U	50.0	P	10/18/2024	14:57	LB133014
	Arsenic	20.0	+/-20.0	U	20.0	P	10/18/2024	14:57	LB133014
	Barium	100	+/-100	U	100	P	10/18/2024	14:57	LB133014
	Beryllium	6.00	+/-6.00	U	6.00	P	10/18/2024	14:57	LB133014
	Cadmium	6.00	+/-6.00	U	6.00	P	10/18/2024	14:57	LB133014
	Calcium	2000	+/-2000	U	2000	P	10/18/2024	14:57	LB133014
	Chromium	10.0	+/-10.0	U	10.0	P	10/18/2024	14:57	LB133014
	Cobalt	30.0	+/-30.0	U	30.0	P	10/18/2024	14:57	LB133014
	Copper	20.0	+/-20.0	U	20.0	P	10/18/2024	14:57	LB133014
	Iron	100	+/-100	U	100	P	10/18/2024	14:57	LB133014
	Lead	12.0	+/-12.0	U	12.0	P	10/18/2024	14:57	LB133014
	Magnesium	2000	+/-2000	U	2000	P	10/18/2024	14:57	LB133014
	Manganese	20.0	+/-20.0	U	20.0	P	10/18/2024	14:57	LB133014
	Nickel	40.0	+/-40.0	U	40.0	P	10/18/2024	14:57	LB133014
	Potassium	2000	+/-2000	U	2000	P	10/18/2024	14:57	LB133014
	Selenium	20.0	+/-20.0	U	20.0	P	10/18/2024	14:57	LB133014

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	10/18/2024	14:57	LB133014
	Sodium	2000	+/-2000	U	2000	P	10/18/2024	14:57	LB133014
	Thallium	40.0	+/-40.0	U	40.0	P	10/18/2024	14:57	LB133014
	Vanadium	40.0	+/-40.0	U	40.0	P	10/18/2024	14:57	LB133014
	Zinc	40.0	+/-40.0	U	40.0	P	10/18/2024	14:57	LB133014
CCB03	Aluminum	100	+/-100	U	100	P	10/18/2024	16:39	LB133014
	Antimony	50.0	+/-50.0	U	50.0	P	10/18/2024	16:39	LB133014
	Arsenic	20.0	+/-20.0	U	20.0	P	10/18/2024	16:39	LB133014
	Barium	100	+/-100	U	100	P	10/18/2024	16:39	LB133014
	Beryllium	6.00	+/-6.00	U	6.00	P	10/18/2024	16:39	LB133014
	Cadmium	6.00	+/-6.00	U	6.00	P	10/18/2024	16:39	LB133014
	Calcium	2000	+/-2000	U	2000	P	10/18/2024	16:39	LB133014
	Chromium	10.0	+/-10.0	U	10.0	P	10/18/2024	16:39	LB133014
	Cobalt	30.0	+/-30.0	U	30.0	P	10/18/2024	16:39	LB133014
	Copper	20.0	+/-20.0	U	20.0	P	10/18/2024	16:39	LB133014
	Iron	100	+/-100	U	100	P	10/18/2024	16:39	LB133014
	Lead	12.0	+/-12.0	U	12.0	P	10/18/2024	16:39	LB133014
	Magnesium	2000	+/-2000	U	2000	P	10/18/2024	16:39	LB133014
	Manganese	20.0	+/-20.0	U	20.0	P	10/18/2024	16:39	LB133014
	Nickel	40.0	+/-40.0	U	40.0	P	10/18/2024	16:39	LB133014
	Potassium	2000	+/-2000	U	2000	P	10/18/2024	16:39	LB133014
	Selenium	20.0	+/-20.0	U	20.0	P	10/18/2024	16:39	LB133014
	Silver	10.0	+/-10.0	U	10.0	P	10/18/2024	16:39	LB133014
	Sodium	2000	+/-2000	U	2000	P	10/18/2024	16:39	LB133014
	Thallium	40.0	+/-40.0	U	40.0	P	10/18/2024	16:39	LB133014
	Vanadium	40.0	+/-40.0	U	40.0	P	10/18/2024	16:39	LB133014
	Zinc	40.0	+/-40.0	U	40.0	P	10/18/2024	16:39	LB133014
CCB04	Aluminum	100	+/-100	U	100	P	10/18/2024	17:32	LB133014
	Antimony	50.0	+/-50.0	U	50.0	P	10/18/2024	17:32	LB133014
	Arsenic	20.0	+/-20.0	U	20.0	P	10/18/2024	17:32	LB133014
	Barium	100	+/-100	U	100	P	10/18/2024	17:32	LB133014
	Beryllium	6.00	+/-6.00	U	6.00	P	10/18/2024	17:32	LB133014
	Cadmium	6.00	+/-6.00	U	6.00	P	10/18/2024	17:32	LB133014
	Calcium	2000	+/-2000	U	2000	P	10/18/2024	17:32	LB133014
	Chromium	10.0	+/-10.0	U	10.0	P	10/18/2024	17:32	LB133014
	Cobalt	30.0	+/-30.0	U	30.0	P	10/18/2024	17:32	LB133014
	Copper	20.0	+/-20.0	U	20.0	P	10/18/2024	17:32	LB133014
	Iron	100	+/-100	U	100	P	10/18/2024	17:32	LB133014
	Lead	12.0	+/-12.0	U	12.0	P	10/18/2024	17:32	LB133014

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	10/18/2024	17:32	LB133014
	Manganese	20.0	+/-20.0	U	20.0	P	10/18/2024	17:32	LB133014
	Nickel	40.0	+/-40.0	U	40.0	P	10/18/2024	17:32	LB133014
	Potassium	2000	+/-2000	U	2000	P	10/18/2024	17:32	LB133014
	Selenium	20.0	+/-20.0	U	20.0	P	10/18/2024	17:32	LB133014
	Silver	10.0	+/-10.0	U	10.0	P	10/18/2024	17:32	LB133014
	Sodium	2000	+/-2000	U	2000	P	10/18/2024	17:32	LB133014
	Thallium	40.0	+/-40.0	U	40.0	P	10/18/2024	17:32	LB133014
	Vanadium	40.0	+/-40.0	U	40.0	P	10/18/2024	17:32	LB133014
	Zinc	40.0	+/-40.0	U	40.0	P	10/18/2024	17:32	LB133014

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PREPARATION BLANK SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164118BL		**SOLID**		**Batch Number:**	**PB164118**		**Prep Date:**	**10/14/2024**	
	Mercury	0.013	<0.013	U	0.013	CV	10/14/2024	13:55	LB132914

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PREPARATION BLANK SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164065BL		**SOLID**		**Batch Number:**	**PB164065**		**Prep Date:**	**10/11/2024**	
	Aluminum	4.07	<4.07	U	4.07	P	10/15/2024	14:26	LB132951
	Antimony	2.03	<2.03	U	2.03	P	10/15/2024	14:26	LB132951
	Arsenic	0.81	<0.81	U	0.81	P	10/15/2024	14:26	LB132951
	Barium	4.07	<4.07	U	4.07	P	10/15/2024	14:26	LB132951
	Beryllium	0.24	<0.24	U	0.24	P	10/15/2024	14:26	LB132951
	Cadmium	0.24	<0.24	U	0.24	P	10/15/2024	14:26	LB132951
	Calcium	81.3	<81.3	U	81.3	P	10/15/2024	14:26	LB132951
	Chromium	0.41	<0.41	U	0.41	P	10/15/2024	14:26	LB132951
	Cobalt	1.22	<1.22	U	1.22	P	10/15/2024	14:26	LB132951
	Copper	0.81	<0.81	U	0.81	P	10/15/2024	14:26	LB132951
	Iron	4.07	<4.07	U	4.07	P	10/15/2024	14:26	LB132951
	Lead	0.49	<0.49	U	0.49	P	10/15/2024	14:26	LB132951
	Magnesium	81.3	<81.3	U	81.3	P	10/15/2024	14:26	LB132951
	Manganese	0.81	<0.81	U	0.81	P	10/15/2024	14:26	LB132951
	Nickel	1.63	<1.63	U	1.63	P	10/15/2024	14:26	LB132951
	Potassium	81.3	<81.3	U	81.3	P	10/15/2024	14:26	LB132951
	Selenium	0.81	<0.81	U	0.81	P	10/15/2024	14:26	LB132951
	Silver	0.41	<0.41	U	0.41	P	10/15/2024	14:26	LB132951
	Sodium	81.3	<81.3	U	81.3	P	10/15/2024	14:26	LB132951
	Thallium	1.63	<1.63	U	1.63	P	10/15/2024	14:26	LB132951
	Vanadium	1.63	<1.63	U	1.63	P	10/15/2024	14:26	LB132951
	Zinc	1.63	<1.63	U	1.63	P	10/15/2024	14:26	LB132951

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	259000	255000	102	216000	294000	10/15/2024	11:50	LB132951
	Antimony	-1.26			-50	50	10/15/2024	11:50	LB132951
	Arsenic	-0.034			-20	20	10/15/2024	11:50	LB132951
	Barium	0.90	6.0	15	-94	106	10/15/2024	11:50	LB132951
	Beryllium	2.49			-6	6	10/15/2024	11:50	LB132951
	Cadmium	5.13	1.0	513	-5	7	10/15/2024	11:50	LB132951
	Calcium	238000	245000	97	208000	282000	10/15/2024	11:50	LB132951
	Chromium	56.7	52.0	109	42	62	10/15/2024	11:50	LB132951
	Cobalt	1.87			-30	30	10/15/2024	11:50	LB132951
	Copper	11.6	2.0	580	-18	22	10/15/2024	11:50	LB132951
	Iron	101000	101000	100	85600	116500	10/15/2024	11:50	LB132951
	Lead	11.6			-12	12	10/15/2024	11:50	LB132951
	Magnesium	260000	255000	102	216000	294000	10/15/2024	11:50	LB132951
	Manganese	-2.55	7.0	36	-13	27	10/15/2024	11:50	LB132951
	Nickel	2.53	2.0	126	-38	42	10/15/2024	11:50	LB132951
	Potassium	-7.55			0	0	10/15/2024	11:50	LB132951
	Selenium	-13.4			-20	20	10/15/2024	11:50	LB132951
	Silver	-6.93			-10	10	10/15/2024	11:50	LB132951
	Sodium	29.1			0	0	10/15/2024	11:50	LB132951
	Thallium	15.8			-40	40	10/15/2024	11:50	LB132951
	Vanadium	8.62			-40	40	10/15/2024	11:50	LB132951
	Zinc	4.25			-40	40	10/15/2024	11:50	LB132951
ICSAB01	Aluminum	262000	247000	106	209000	285000	10/15/2024	12:03	LB132951
	Antimony	629	618	102	525	711	10/15/2024	12:03	LB132951
	Arsenic	108	104	104	88.4	120	10/15/2024	12:03	LB132951
	Barium	534	537	99	437	637	10/15/2024	12:03	LB132951
	Beryllium	512	495	103	420	570	10/15/2024	12:03	LB132951
	Cadmium	970	972	100	826	1120	10/15/2024	12:03	LB132951
	Calcium	244000	235000	104	199000	271000	10/15/2024	12:03	LB132951
	Chromium	586	542	108	460	624	10/15/2024	12:03	LB132951
	Cobalt	518	476	109	404	548	10/15/2024	12:03	LB132951
	Copper	509	511	100	434	588	10/15/2024	12:03	LB132951
	Iron	105000	99300	106	84400	114500	10/15/2024	12:03	LB132951
	Lead	58.4	49.0	119	37	61	10/15/2024	12:03	LB132951
	Magnesium	262000	248000	106	210000	286000	10/15/2024	12:03	LB132951
	Manganese	505	507	100	430	584	10/15/2024	12:03	LB132951
	Nickel	1020	954	107	810	1100	10/15/2024	12:03	LB132951
	Potassium	-70.4			0	0	10/15/2024	12:03	LB132951
	Selenium	33.2	46.0	72	26	66	10/15/2024	12:03	LB132951
	Silver	224	201	111	170	232	10/15/2024	12:03	LB132951
	Sodium	38.9			0	0	10/15/2024	12:03	LB132951
	Thallium	93.9	108	87	68	148	10/15/2024	12:03	LB132951

Alliance TECHNICAL GROUP
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Metals
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INTERFERENCE CHECK SAMPLE

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	515	491	105	417	565	10/15/2024	12:03	LB132951
	Zinc	905	952	95	809	1095	10/15/2024	12:03	LB132951
ICSA01	Aluminum	237000	255000	93	216000	294000	10/18/2024	13:32	LB133014
	Antimony	-1.32			-50	50	10/18/2024	13:32	LB133014
	Arsenic	-4.50			-20	20	10/18/2024	13:32	LB133014
	Barium	2.49	6.0	42	-94	106	10/18/2024	13:32	LB133014
	Beryllium	1.11			-6	6	10/18/2024	13:32	LB133014
	Cadmium	6.89	1.0	689	-5	7	10/18/2024	13:32	LB133014
	Calcium	226000	245000	92	208000	282000	10/18/2024	13:32	LB133014
	Chromium	55.6	52.0	107	42	62	10/18/2024	13:32	LB133014
	Cobalt	1.25			-30	30	10/18/2024	13:32	LB133014
	Copper	-8.46	2.0	423	-18	22	10/18/2024	13:32	LB133014
	Iron	98700	101000	98	85600	116500	10/18/2024	13:32	LB133014
	Lead	6.37			-12	12	10/18/2024	13:32	LB133014
	Magnesium	246000	255000	96	216000	294000	10/18/2024	13:32	LB133014
	Manganese	5.78	7.0	83	-13	27	10/18/2024	13:32	LB133014
	Nickel	2.27	2.0	114	-38	42	10/18/2024	13:32	LB133014
	Potassium	-34.9			0	0	10/18/2024	13:32	LB133014
	Selenium	-14.0			-20	20	10/18/2024	13:32	LB133014
	Silver	3.92			-10	10	10/18/2024	13:32	LB133014
	Sodium	20.9			0	0	10/18/2024	13:32	LB133014
	Thallium	5.51			-40	40	10/18/2024	13:32	LB133014
	Vanadium	5.78			-40	40	10/18/2024	13:32	LB133014
	Zinc	3.80			-40	40	10/18/2024	13:32	LB133014
ICSAB01	Aluminum	240000	247000	97	209000	285000	10/18/2024	13:56	LB133014
	Antimony	622	618	101	525	711	10/18/2024	13:56	LB133014
	Arsenic	107	104	103	88.4	120	10/18/2024	13:56	LB133014
	Barium	482	537	90	437	637	10/18/2024	13:56	LB133014
	Beryllium	490	495	99	420	570	10/18/2024	13:56	LB133014
	Cadmium	1010	972	104	826	1120	10/18/2024	13:56	LB133014
	Calcium	229000	235000	97	199000	271000	10/18/2024	13:56	LB133014
	Chromium	573	542	106	460	624	10/18/2024	13:56	LB133014
	Cobalt	516	476	108	404	548	10/18/2024	13:56	LB133014
	Copper	484	511	95	434	588	10/18/2024	13:56	LB133014
	Iron	101000	99300	102	84400	114500	10/18/2024	13:56	LB133014
	Lead	55.1	49.0	112	37	61	10/18/2024	13:56	LB133014
	Magnesium	250000	248000	101	210000	286000	10/18/2024	13:56	LB133014
	Manganese	481	507	95	430	584	10/18/2024	13:56	LB133014
	Nickel	1020	954	107	810	1100	10/18/2024	13:56	LB133014
	Potassium	-21.9			0	0	10/18/2024	13:56	LB133014
	Selenium	37.2	46.0	81	26	66	10/18/2024	13:56	LB133014
	Silver	229	201	114	170	232	10/18/2024	13:56	LB133014

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Sodium	29.5			0	0	10/18/2024	13:56	LB133014
	Thallium	97.0	108	90	68	148	10/18/2024	13:56	LB133014
	Vanadium	472	491	96	417	565	10/18/2024	13:56	LB133014
	Zinc	1080	952	113	809	1095	10/18/2024	13:56	LB133014

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: Scheideler Excavating Co. Inc. **level:** low **sdg no.:** P4385

contract: SCHE03 **lab code:** CHEM **case no.:** P4385 **sas no.:** P4385

matrix: Solid **sample id:** P4385-20 **client id:** SP-10MS

Percent Solids for Sample: 94.4 **Spiked ID:** P4385-20MS **Percent Solids for Spike Sample:** 94.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	11600		10800		100	811		P
Antimony	mg/Kg	75 - 125	29.2		2.36	U	40.2	73	N	P
Arsenic	mg/Kg	75 - 125	34.5		4.41		40.2	75		P
Barium	mg/Kg	75 - 125	62.5		51.1		10.0	114		P
Beryllium	mg/Kg	75 - 125	8.48		0.59		10.0	79		P
Cadmium	mg/Kg	75 - 125	11.7		1.90		10.0	98		P
Calcium	mg/Kg	75 - 125	1350		1220		50.2	248		P
Chromium	mg/Kg	75 - 125	35.6		19.0		20.1	83		P
Cobalt	mg/Kg	75 - 125	19.0		8.50		10.0	105		P
Copper	mg/Kg	75 - 125	24.1		13.7		15.1	69	N	P
Iron	mg/Kg	75 - 125	11600		11300		150	208		P
Lead	mg/Kg	75 - 125	49.0		11.2		50.2	75		P
Magnesium	mg/Kg	75 - 125	1150		1000		100	146		P
Manganese	mg/Kg	75 - 125	168		149		10.0	193		P
Mercury	mg/Kg	80 - 120	0.34		0.063		0.26	108		CV
Nickel	mg/Kg	75 - 125	26.5		6.97		25.1	78		P
Potassium	mg/Kg	75 - 125	667		401		500	53	N	P
Selenium	mg/Kg	75 - 125	68.1		0.95	U	100	68	N	P
Silver	mg/Kg	75 - 125	3.05		0.47	U	3.8	80		P
Sodium	mg/Kg	75 - 125	160		48.5	J	150	75		P
Thallium	mg/Kg	75 - 125	92.7		1.89	U	100	93		P
Vanadium	mg/Kg	75 - 125	35.9		23.4		15.1	83		P
Zinc	mg/Kg	75 - 125	27.2		18.6		10.0	86		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Scheideler Excavating Co. Inc. **level:** low **sdg no.:** P4385

contract: SCHE03 **lab code:** CHEM **case no.:** P4385 **sas no.:** P4385

matrix: Solid **sample id:** P4385-20 **client id:** SP-10MSD

Percent Solids for Sample: 94.4 **Spiked ID:** P4385-20MSD **Percent Solids for Spike Sample:** 94.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	10600		10800		91.7	-151		P
Antimony	mg/Kg	75 - 125	27.7		2.36	U	36.7	76		P
Arsenic	mg/Kg	75 - 125	32.2		4.41		36.7	76		P
Barium	mg/Kg	75 - 125	57.5		51.1		9.2	70		P
Beryllium	mg/Kg	75 - 125	7.81		0.59		9.2	78		P
Cadmium	mg/Kg	75 - 125	11.0		1.90		9.2	98		P
Calcium	mg/Kg	75 - 125	1240		1220		45.9	41		P
Chromium	mg/Kg	75 - 125	33.1		19.0		18.3	77		P
Cobalt	mg/Kg	75 - 125	17.7		8.50		9.2	100		P
Copper	mg/Kg	75 - 125	22.4		13.7		13.8	63	N	P
Iron	mg/Kg	75 - 125	10700		11300		140	-449		P
Lead	mg/Kg	75 - 125	45.6		11.2		45.9	75		P
Magnesium	mg/Kg	75 - 125	1060		1000		91.7	61		P
Manganese	mg/Kg	75 - 125	154		149		9.2	55		P
Mercury	mg/Kg	80 - 120	0.34		0.063		0.26	106		CV
Nickel	mg/Kg	75 - 125	24.7		6.97		22.9	77		P
Potassium	mg/Kg	75 - 125	621		401		460	48	N	P
Selenium	mg/Kg	75 - 125	64.3		0.95	U	91.7	70	N	P
Silver	mg/Kg	75 - 125	2.80		0.47	U	3.4	82		P
Sodium	mg/Kg	75 - 125	148		48.5	J	140	71	N	P
Thallium	mg/Kg	75 - 125	86.2		1.89	U	91.7	94		P
Vanadium	mg/Kg	75 - 125	33.3		23.4		13.8	71	N	P
Zinc	mg/Kg	75 - 125	25.0		18.6		9.2	70	N	P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Matrix: Solid **Level:** LOW **Client ID:** SP-10A

Sample ID: P4385-20 **Spiked ID:** P4385-20A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	28.1		2.36	U	37.8	74		P
Copper	mg/Kg	75 - 125	22.6		13.7		14.2	62		P
Potassium	mg/Kg	75 - 125	637		401		470	50		P
Selenium	mg/Kg	75 - 125	65.5		0.95	U	94.6	69		P
Sodium	mg/Kg	75 - 125	151		48.5	J	140	73		P
Vanadium	mg/Kg	75 - 125	33.9		23.4		14.2	74		P
Zinc	mg/Kg	75 - 125	25.8		18.6		9.50	76		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Scheideler Excavating Co. Inc. **Level:** LOW **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Matrix: Solid **Sample ID:** P4385-20 **Client ID:** SP-10DUP

Percent Solids for Sample: 94.4 **Duplicate ID** P4385-20DUP **Percent Solids for Spike Sample:** 94.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	10800		10500		3		P
Antimony	mg/Kg	20	2.36	U	2.29	U			P
Arsenic	mg/Kg	20	4.41		4.20		5		P
Barium	mg/Kg	20	51.1		48.4		5		P
Beryllium	mg/Kg	20	0.59		0.57		2		P
Cadmium	mg/Kg	20	1.90		1.85		3		P
Calcium	mg/Kg	20	1220		1170		4		P
Chromium	mg/Kg	20	19.0		18.1		5		P
Cobalt	mg/Kg	20	8.50		8.16		4		P
Copper	mg/Kg	20	13.7		13.6		1		P
Iron	mg/Kg	20	11300		10500		7		P
Lead	mg/Kg	20	11.2		10.8		4		P
Magnesium	mg/Kg	20	1000		970		3		P
Manganese	mg/Kg	20	149		142		5		P
Mercury	mg/Kg	20	0.063		0.059		7		CV
Nickel	mg/Kg	20	6.97		6.78		3		P
Potassium	mg/Kg	20	401		373		7		P
Selenium	mg/Kg	20	0.95	U	0.92	U			P
Silver	mg/Kg	20	0.47	U	0.46	U			P
Sodium	mg/Kg	20	48.5	J	45.4	J	7		P
Thallium	mg/Kg	20	1.89	U	1.83	U			P
Vanadium	mg/Kg	20	23.4		22.4		4		P
Zinc	mg/Kg	20	18.6		17.6		6		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Scheideler Excavating Co. Inc. **Level:** LOW **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Matrix: Solid **Sample ID:** P4385-20MS **Client ID:** SP-10MSD

Percent Solids for Sample: 94.4 **Duplicate ID** P4385-20MSD **Percent Solids for Spike Sample:** 94.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	11600		10600		9		P
Antimony	mg/Kg	20	29.2		27.7		5		P
Arsenic	mg/Kg	20	34.5		32.2		7		P
Barium	mg/Kg	20	62.5		57.5		8		P
Beryllium	mg/Kg	20	8.48		7.81		8		P
Cadmium	mg/Kg	20	11.7		11.0		7		P
Calcium	mg/Kg	20	1350		1240		8		P
Chromium	mg/Kg	20	35.6		33.1		7		P
Cobalt	mg/Kg	20	19.0		17.7		7		P
Copper	mg/Kg	20	24.1		22.4		7		P
Iron	mg/Kg	20	11600		10700		8		P
Lead	mg/Kg	20	49.0		45.6		7		P
Magnesium	mg/Kg	20	1150		1060		8		P
Manganese	mg/Kg	20	168		154		9		P
Mercury	mg/Kg	20	0.34		0.34		1		CV
Nickel	mg/Kg	20	26.5		24.7		7		P
Potassium	mg/Kg	20	667		621		7		P
Selenium	mg/Kg	20	68.1		64.3		6		P
Silver	mg/Kg	20	3.05		2.80		9		P
Sodium	mg/Kg	20	160		148		8		P
Thallium	mg/Kg	20	92.7		86.2		7		P
Vanadium	mg/Kg	20	35.9		33.3		8		P
Zinc	mg/Kg	20	27.2		25.0		8		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164065BS							
Aluminum	mg/Kg	81.3	79.9		98	80 - 120	P
Antimony	mg/Kg	32.5	31.7		98	80 - 120	P
Arsenic	mg/Kg	32.5	29.3		90	80 - 120	P
Barium	mg/Kg	8.1	7.50		93	80 - 120	P
Beryllium	mg/Kg	8.1	7.89		97	80 - 120	P
Cadmium	mg/Kg	8.1	7.19		89	80 - 120	P
Calcium	mg/Kg	40.7	40.1	J	98	80 - 120	P
Chromium	mg/Kg	16.3	16.0		98	80 - 120	P
Cobalt	mg/Kg	8.1	7.71		95	80 - 120	P
Copper	mg/Kg	12.2	12.3		101	80 - 120	P
Iron	mg/Kg	120	114		95	80 - 120	P
Lead	mg/Kg	40.7	36.3		89	80 - 120	P
Magnesium	mg/Kg	81.3	77.4	J	95	80 - 120	P
Manganese	mg/Kg	8.1	7.86		97	80 - 120	P
Nickel	mg/Kg	20.3	19.3		95	80 - 120	P
Potassium	mg/Kg	410	377		92	80 - 120	P
Selenium	mg/Kg	81.3	74.3		91	80 - 120	P
Silver	mg/Kg	3.0	3.07		102	80 - 120	P
Sodium	mg/Kg	120	110		92	80 - 120	P
Thallium	mg/Kg	81.3	75.9		93	80 - 120	P
Vanadium	mg/Kg	12.2	11.8		97	80 - 120	P
Zinc	mg/Kg	8.1	8.36		103	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164118BS							
Mercury	mg/Kg	0.25	0.26		105	80 - 120	CV

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ICP SERIAL DILUTIONS

SAMPLE NO.

SP-10L

Lab Name: Chemtech Consulting Group **Contract:** SCHE03

Lab Code: CHEM **Lb No.:** lb133014 **Lab Sample ID :** P4385-20L **SDG No.:** P4385

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	10800		12700		18		P
Antimony	2.36	U	11.8	U			P
Arsenic	4.41		4.37	J	1		P
Barium	51.1		60.4		18		P
Beryllium	0.59		0.75	J	28		P
Cadmium	1.90		1.40	J	26		P
Calcium	1220		1480		22		P
Chromium	19.0		22.3		17		P
Cobalt	8.50		8.34		2		P
Copper	13.7		18.2		32		P
Iron	11300		12900		14		P
Lead	11.2		11.7		4		P
Magnesium	1000		1210		21		P
Manganese	149		184		24		P
Mercury	0.063		0.047	J	26		CV
Nickel	6.97		6.89	J	1		P
Potassium	401		446	J	11		P
Selenium	0.95	U	4.73	U			P
Silver	0.47	U	2.36	U			P
Sodium	48.5	J	473	U	100.0		P
Thallium	1.89	U	9.46	U			P
Vanadium	23.4		27.8		19		P
Zinc	18.6		21.3		15		P

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Case No.:** P4385 **SAS No.:** P4385

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Method:**

Case No.: P4385 **SAS No.:** P4385

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164065**						
P4385-02	SP-1	SAM	SOLID	10/11/2024	2.26	100.0	93.40
P4385-04	SP-2	SAM	SOLID	10/11/2024	2.22	100.0	95.00
P4385-06	SP-3	SAM	SOLID	10/11/2024	2.40	100.0	94.10
P4385-08	SP-4	SAM	SOLID	10/11/2024	2.32	100.0	99.10
P4385-10	SP-5	SAM	SOLID	10/11/2024	2.31	100.0	93.40
P4385-12	SP-6	SAM	SOLID	10/11/2024	2.28	100.0	93.00
P4385-14	SP-7	SAM	SOLID	10/11/2024	2.23	100.0	93.80
P4385-16	SP-8	SAM	SOLID	10/11/2024	2.24	100.0	94.30
P4385-18	SP-9	SAM	SOLID	10/11/2024	2.28	100.0	93.40
P4385-20	SP-10	SAM	SOLID	10/11/2024	2.24	100.0	94.40
P4385-20DUP	SP-10DUP	DUP	SOLID	10/11/2024	2.31	100.0	94.40
P4385-20MS	SP-10MS	MS	SOLID	10/11/2024	2.11	100.0	94.40
P4385-20MSD	SP-10MSD	MSD	SOLID	10/11/2024	2.31	100.0	94.40
PB164065BL	PB164065BL	MB	SOLID	10/11/2024	2.46	100.0	100.00
PB164065BS	PB164065BS	LCS	SOLID	10/11/2024	2.46	100.0	100.00

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SAMPLE PREPARATION SUMMARY

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Contract: SCHE03 **Lab Code:** CHEM **Method:**

Case No.: P4385 **SAS No.:** P4385

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164118**						
P4385-02	SP-1	SAM	SOLID	10/14/2024	0.57	35.0	93.40
P4385-04	SP-2	SAM	SOLID	10/14/2024	0.51	35.0	95.00
P4385-06	SP-3	SAM	SOLID	10/14/2024	0.54	35.0	94.10
P4385-08	SP-4	SAM	SOLID	10/14/2024	0.53	35.0	99.10
P4385-10	SP-5	SAM	SOLID	10/14/2024	0.57	35.0	93.40
P4385-12	SP-6	SAM	SOLID	10/14/2024	0.51	35.0	93.00
P4385-14	SP-7	SAM	SOLID	10/14/2024	0.52	35.0	93.80
P4385-16	SP-8	SAM	SOLID	10/14/2024	0.57	35.0	94.30
P4385-18	SP-9	SAM	SOLID	10/14/2024	0.57	35.0	93.40
P4385-20	SP-10	SAM	SOLID	10/14/2024	0.57	35.0	94.40
P4385-20DUP	SP-10DUP	DUP	SOLID	10/14/2024	0.56	35.0	94.40
P4385-20MS	SP-10MS	MS	SOLID	10/14/2024	0.56	35.0	94.40
P4385-20MSD	SP-10MSD	MSD	SOLID	10/14/2024	0.56	35.0	94.40
PB164118BL	PB164118BL	MB	SOLID	10/14/2024	0.53	35.0	100.00
PB164118BS	PB164118BS	LCS	SOLID	10/14/2024	0.55	35.0	100.00

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ANALYSIS RUN LOG

Client: Scheideler Excavating Co. Inc. **Contract:** SCHE03

Lab code: CHEM **Case no.:** P4385 **Sas no.:** P4385 **Sdg no.:** P4385

Instrument id number: **Method:** **Run number:** LB132914

Start date: 10/14/2024 **End date:** 10/14/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1119	HG
S0.2	S0.2	1	1121	HG
S2.5	S2.5	1	1123	HG
S5	S5	1	1126	HG
S7.5	S7.5	1	1128	HG
S10	S10	1	1130	HG
ICV36	ICV36	1	1133	HG
ICB36	ICB36	1	1138	HG
CCV13	CCV13	1	1140	HG
CCB13	CCB13	1	1143	HG
CRA	CRA	1	1145	HG
CCV14	CCV14	1	1210	HG
CCB14	CCB14	1	1213	HG
CCV15	CCV15	1	1239	HG
CCB15	CCB15	1	1241	HG
CCV16	CCV16	1	1309	HG
CCB16	CCB16	1	1312	HG
CCV17	CCV17	1	1337	HG
CCB17	CCB17	1	1339	HG
PB164118BL	PB164118BL	1	1355	HG
PB164118BS	PB164118BS	1	1357	HG
P4385-02	SP-1	1	1359	HG
P4385-04	SP-2	1	1402	HG
CCV18	CCV18	1	1404	HG
CCB18	CCB18	1	1406	HG
P4385-06	SP-3	1	1408	HG
P4385-08	SP-4	1	1411	HG
P4385-10	SP-5	1	1413	HG
P4385-12	SP-6	1	1415	HG
P4385-14	SP-7	1	1418	HG
P4385-16	SP-8	1	1420	HG
P4385-18	SP-9	1	1422	HG
P4385-20	SP-10	1	1424	HG
P4385-20DUP	SP-10DUP	1	1427	HG
P4385-20MS	SP-10MS	1	1429	HG
CCV19	CCV19	1	1431	HG
CCB19	CCB19	1	1434	HG
P4385-20MSD	SP-10MSD	1	1436	HG
P4385-20L	SP-10L	5	1454	HG
CCV20	CCV20	1	1459	HG
CCB20	CCB20	1	1501	HG

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ANALYSIS RUN LOG

Client: Scheideler Excavating Co. Inc. **Contract:** SCHE03

Lab code: CHEM **Case no.:** P4385 **Sas no.:** P4385 **Sdg no.:** P4385

Instrument id number: **Method:** **Run number:** LB132914

Start date: 10/14/2024 **End date:** 10/14/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV21	CCV21	1	1515	HG
CCB21	CCB21	1	1517	HG

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ANALYSIS RUN LOG

Client: Scheideler Excavating Co. Inc. **Contract:** SCHE03

Lab code: CHEM **Case no.:** P4385 **Sas no.:** P4385 **Sdg no.:** P4385

Instrument id number: **Method:** **Run number:** LB132951

Start date: 10/15/2024 **End date:** 10/15/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1042	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1047	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1051	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1055	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1059	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1103	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1124	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1137	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1141	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1146	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1150	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1203	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1226	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1230	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164065BS	PB164065BS	1	1306	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-18	SP-9	1	1310	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1323	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1327	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1407	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1411	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164065BL	PB164065BL	1	1426	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1435	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1439	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-02	SP-1	1	1443	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-04	SP-2	1	1448	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-06	SP-3	1	1452	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-08	SP-4	1	1456	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-10	SP-5	1	1501	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-12	SP-6	1	1505	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-14	SP-7	1	1509	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-16	SP-8	1	1513	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1526	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1530	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1617	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1621	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1714	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1718	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1749	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1753	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
- 14 -
ANALYSIS RUN LOG

Client: Scheideler Excavating Co. Inc. **Contract:** SCHE03

Lab code: CHEM **Case no.:** P4385 **Sas no.:** P4385 **Sdg no.:** P4385

Instrument id number: **Method:** **Run number:** LB133014

Start date: 10/18/2024 **End date:** 10/18/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1203	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1207	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1212	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1216	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1220	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1224	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1308	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1313	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1323	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1327	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1332	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1356	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1400	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1405	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1453	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1457	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-20	SP-10	1	1511	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-20DUP	SP-10DUP	1	1516	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-20L	SP-10L	5	1520	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-20MS	SP-10MS	1	1524	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-20MSD	SP-10MSD	1	1528	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4385-20A	SP-10A	1	1532	Cu,K,Na,Sb,Se,V,Zn
CCV03	CCV03	1	1605	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1639	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1728	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1732	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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LAB CHRONICLE

OrderID:	P4385	**OrderDate:**	10/10/2024 2:00:00 PM
Client:	Scheideler Excavating Co. Inc.	**Project:**	Robbinsville
Contact:	Jim Scheideler	**Location:**	K51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4385-02	**SP-1**	**SOIL**			**10/10/24 11:15**			**10/10/24**
			Cyanide	9012B		10/14/24	10/14/24 13:33	
			Hexavalent Chromium	7196A		10/11/24	10/11/24 12:09	
			Paint Filter	9095B			10/14/24 09:15	
			pH	9045D			10/11/24 09:10	
			Trivalent Chromium	6010D			10/15/24 14:43	
P4385-04	**SP-2**	**SOIL**			**10/10/24 11:30**			**10/10/24**
			Cyanide	9012B		10/14/24	10/14/24 13:33	
			Hexavalent Chromium	7196A		10/11/24	10/11/24 12:10	
			Paint Filter	9095B			10/14/24 09:22	
			pH	9045D			10/11/24 09:15	
			Trivalent Chromium	6010D			10/15/24 14:48	
P4385-06	**SP-3**	**SOIL**			**10/10/24 11:50**			**10/10/24**
			Cyanide	9012B		10/14/24	10/14/24 13:33	
			Hexavalent Chromium	7196A		10/11/24	10/11/24 12:11	

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LAB CHRONICLE

			Paint Filter	9095B			10/14/24 09:30	
			pH	9045D			10/11/24 09:18	
			Trivalent Chromium	6010D			10/15/24 14:52	
P4385-08	**SP-4**	**SOIL**			**10/10/24 12:07**			**10/10/24**
			Cyanide	9012B		10/14/24	10/14/24 13:33	
			Hexavalent Chromium	7196A		10/11/24	10/11/24 12:12	
			Paint Filter	9095B			10/14/24 09:38	
			pH	9045D			10/11/24 09:20	
			Trivalent Chromium	6010D			10/15/24 14:56	
P4385-10	**SP-5**	**SOIL**			**10/10/24 12:22**			**10/10/24**
			Cyanide	9012B		10/14/24	10/14/24 13:34	
			Hexavalent Chromium	7196A		10/11/24	10/11/24 12:13	
			Paint Filter	9095B			10/14/24 09:45	
			pH	9045D			10/11/24 09:25	
			Trivalent Chromium	6010D			10/15/24 15:01	
P4385-12	**SP-6**	**SOIL**			**10/10/24 12:38**			**10/10/24**
			Cyanide	9012B		10/14/24	10/14/24 13:34	
			Hexavalent Chromium	7196A		10/11/24	10/11/24 12:14	
			Paint Filter	9095B			10/14/24 09:52	

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LAB CHRONICLE

			pH	9045D			10/11/24 09:30	
			Trivalent Chromium	6010D			10/15/24 15:05	
P4385-14	**SP-7**	**SOIL**			**10/10/24 12:55**			**10/10/24**
			Cyanide	9012B		10/14/24	10/14/24 13:34	
			Hexavalent Chromium	7196A		10/11/24	10/11/24 12:15	
			Paint Filter	9095B			10/14/24 10:00	
			pH	9045D			10/11/24 09:33	
			Trivalent Chromium	6010D			10/15/24 15:09	
P4385-16	**SP-8**	**SOIL**			**10/10/24 13:10**			**10/10/24**
			Cyanide	9012B		10/14/24	10/14/24 13:41	
			Hexavalent Chromium	7196A		10/11/24	10/11/24 12:16	
			Paint Filter	9095B			10/14/24 10:08	
			pH	9045D			10/11/24 09:36	
			Trivalent Chromium	6010D			10/15/24 15:13	
P4385-18	**SP-9**	**SOIL**			**10/10/24 13:23**			**10/10/24**
			Cyanide	9012B		10/14/24	10/14/24 13:41	
			Hexavalent Chromium	7196A		10/11/24	10/11/24 12:17	
			Paint Filter	9095B			10/14/24 10:15	
			pH	9045D			10/11/24 09:44	

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LAB CHRONICLE

			Trivalent Chromium	6010D			10/15/24 13:10	
P4385-20	**SP-10**	**SOIL**			**10/10/24 13:35**			**10/10/24**
			Cyanide	9012B		10/14/24	10/14/24 13:41	
			Hexavalent Chromium	7196A		10/11/24	10/11/24 12:18	
			Paint Filter	9095B			10/14/24 10:30	
			pH	9045D			10/11/24 09:50	
			Trivalent Chromium	6010D			10/18/24 15:11	

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24 11:15
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-1	SDG No.:	P4385
Lab Sample ID:	P4385-02	Matrix:	SOIL
		% Solid:	93.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.046	U	1	0.046	0.26	mg/Kg	10/14/24 08:30	10/14/24 13:33	9012B
Hexavalent Chromium	0.084	U	1	0.084	0.43	mg/Kg	10/11/24 08:45	10/11/24 12:09	7196A
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		10/14/24 09:15	9095B
pH	4.96	H	1	0	0	pH		10/11/24 09:10	9045D
Trivalent Chromium	13.6		1	0.54	0.54	mg/Kg		10/15/24 14:43	6010D

Comments: pH result reported at temperature 20.6 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24 11:30
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-2	SDG No.:	P4385
Lab Sample ID:	P4385-04	Matrix:	SOIL
		% Solid:	95

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.045	U	1	0.045	0.26	mg/Kg	10/14/24 08:30	10/14/24 13:33	9012B
Hexavalent Chromium	0.082	U	1	0.082	0.42	mg/Kg	10/11/24 08:45	10/11/24 12:10	7196A
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		10/14/24 09:22	9095B
pH	5.18	H	1	0	0	pH		10/11/24 09:15	9045D
Trivalent Chromium	12.4		1	0.53	0.53	mg/Kg		10/15/24 14:48	6010D

Comments: pH result reported at temperature 20.8 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24 11:50
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-3	SDG No.:	P4385
Lab Sample ID:	P4385-06	Matrix:	SOIL
		% Solid:	94.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.045	U	1	0.045	0.26	mg/Kg	10/14/24 08:30	10/14/24 13:33	9012B
Hexavalent Chromium	0.083	U	1	0.083	0.42	mg/Kg	10/11/24 08:45	10/11/24 12:11	7196A
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		10/14/24 09:30	9095B
pH	5.29	H	1	0	0	pH		10/11/24 09:18	9045D
Trivalent Chromium	12.3		1	0.53	0.53	mg/Kg		10/15/24 14:52	6010D

Comments: pH result reported at temperature 20.3 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24 12:07
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-4	SDG No.:	P4385
Lab Sample ID:	P4385-08	Matrix:	SOIL
		% Solid:	99.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.043	U	1	0.043	0.24	mg/Kg	10/14/24 08:30	10/14/24 13:33	9012B
Hexavalent Chromium	0.079	U	1	0.079	0.40	mg/Kg	10/11/24 08:45	10/11/24 12:12	7196A
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		10/14/24 09:38	9095B
pH	5.23	H	1	0	0	pH		10/11/24 09:20	9045D
Trivalent Chromium	12.6		1	0.51	0.51	mg/Kg		10/15/24 14:56	6010D

Comments: pH result reported at temperature 20.4 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24 12:22
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-5	SDG No.:	P4385
Lab Sample ID:	P4385-10	Matrix:	SOIL
		% Solid:	93.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.046	U	1	0.046	0.26	mg/Kg	10/14/24 08:30	10/14/24 13:34	9012B
Hexavalent Chromium	0.084	U	1	0.084	0.43	mg/Kg	10/11/24 08:45	10/11/24 12:13	7196A
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		10/14/24 09:45	9095B
pH	6.43	H	1	0	0	pH		10/11/24 09:25	9045D
Trivalent Chromium	12.3		1	0.54	0.54	mg/Kg		10/15/24 15:01	6010D

Comments: pH result reported at temperature 20.5 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24 12:38
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-6	SDG No.:	P4385
Lab Sample ID:	P4385-12	Matrix:	SOIL
		% Solid:	93

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.046	U	1	0.046	0.26	mg/Kg	10/14/24 08:30	10/14/24 13:34	9012B
Hexavalent Chromium	0.084	U	1	0.084	0.42	mg/Kg	10/11/24 08:45	10/11/24 12:14	7196A
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		10/14/24 09:52	9095B
pH	6.24	H	1	0	0	pH		10/11/24 09:30	9045D
Trivalent Chromium	13.0		1	0.54	0.54	mg/Kg		10/15/24 15:05	6010D

Comments: pH result reported at temperature 20.5 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24 12:55
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-7	SDG No.:	P4385
Lab Sample ID:	P4385-14	Matrix:	SOIL
		% Solid:	93.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.046	U	1	0.046	0.26	mg/Kg	10/14/24 08:30	10/14/24 13:34	9012B
Hexavalent Chromium	0.084	U	1	0.084	0.43	mg/Kg	10/11/24 08:45	10/11/24 12:15	7196A
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		10/14/24 10:00	9095B
pH	6.84	H	1	0	0	pH		10/11/24 09:33	9045D
Trivalent Chromium	13.7		1	0.53	0.53	mg/Kg		10/15/24 15:09	6010D

Comments: pH result reported at temperature 20.7 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24 13:10
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-8	SDG No.:	P4385
Lab Sample ID:	P4385-16	Matrix:	SOIL
		% Solid:	94.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.045	U	1	0.045	0.25	mg/Kg	10/14/24 08:30	10/14/24 13:41	9012B
Hexavalent Chromium	0.083	U	1	0.083	0.42	mg/Kg	10/11/24 08:45	10/11/24 12:16	7196A
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		10/14/24 10:08	9095B
pH	7.08	H	1	0	0	pH		10/11/24 09:36	9045D
Trivalent Chromium	12.7		1	0.53	0.53	mg/Kg		10/15/24 15:13	6010D

Comments: pH result reported at temperature 20.8 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24 13:23
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-9	SDG No.:	P4385
Lab Sample ID:	P4385-18	Matrix:	SOIL
		% Solid:	93.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.052	J	1	0.045	0.26	mg/Kg	10/14/24 08:30	10/14/24 13:41	9012B
Hexavalent Chromium	0.084	U	1	0.084	0.42	mg/Kg	10/11/24 08:45	10/11/24 12:17	7196A
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		10/14/24 10:15	9095B
pH	7.12	H	1	0	0	pH		10/11/24 09:44	9045D
Trivalent Chromium	14.5		1	0.54	0.54	mg/Kg		10/15/24 13:10	6010D

Comments: pH result reported at temperature 20.4 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Scheideler Excavating Co. Inc.	Date Collected:	10/10/24 13:35
Project:	Robbinsville	Date Received:	10/10/24
Client Sample ID:	SP-10	SDG No.:	P4385
Lab Sample ID:	P4385-20	Matrix:	SOIL
		% Solid:	94.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.052	J	1	0.046	0.26	mg/Kg	10/14/24 08:30	10/14/24 13:41	9012B
Hexavalent Chromium	0.083	U	1	0.083	0.42	mg/Kg	10/11/24 08:45	10/11/24 12:18	7196A
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		10/14/24 10:30	9095B
pH	7.19	H	1	0	0	pH		10/11/24 09:50	9045D
Trivalent Chromium	19.0		1	0.53	0.53	mg/Kg		10/18/24 15:11	6010D

Comments: pH result reported at temperature 20.5 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Project: Robbinsville **RunNo.:** LB132883

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
pH		pH	7.00	7	100	90-110	10/11/2024
Sample ID:	CCV1						
pH		pH	2.01	2.00	101	90-110	10/11/2024
Sample ID:	CCV2						
pH		pH	12.02	12.00	100	90-110	10/11/2024
Sample ID:	CCV3						
pH		pH	2.01	2.00	101	90-110	10/11/2024

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Initial and Continuing Calibration Verification

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Project: Robbinsville **RunNo.:** LB132887

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	10/11/2024
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	10/11/2024
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.503	0.5	101	90-110	10/11/2024
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	10/11/2024

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Initial and Continuing Calibration Verification

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Project: Robbinsville **RunNo.:** LB132925

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1						
Cyanide		mg/L	0.1	0.099	101	90-110	10/14/2024
Sample ID:	CCV1						
Cyanide		mg/L	0.25	0.25	100	90-110	10/14/2024
Sample ID:	CCV2						
Cyanide		mg/L	0.26	0.25	104	90-110	10/14/2024
Sample ID:	CCV3						
Cyanide		mg/L	0.25	0.25	100	90-110	10/14/2024
Sample ID:	CCV4						
Cyanide		mg/L	0.26	0.25	104	90-110	10/14/2024

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Initial and Continuing Calibration Blank Summary

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Project: Robbinsville **RunNo.:** LB132887

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/11/2024
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/11/2024
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/11/2024
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/11/2024

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Initial and Continuing Calibration Blank Summary

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Project: Robbinsville **RunNo.:** LB132925

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00099	0.005	10/14/2024
Sample ID:	CCB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00099	0.005	10/14/2024
Sample ID:	CCB2							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00099	0.005	10/14/2024
Sample ID:	CCB3							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00099	0.005	10/14/2024
Sample ID:	CCB4							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00099	0.005	10/14/2024

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Preparation Blank Summary

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Project: Robbinsville

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB164052BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.079	0.4	10/11/2024
Sample ID: PB164122BL							
Cyanide	mg/Kg	< 0.1250	0.1250	U	0.044	0.25	10/14/2024

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Matrix Spike Summary

Client: Scheideler Excavating Co. Inc.
SDG No.: P4385
Project: Robbinsville
Sample ID: P4377-01
Client ID: HD-01-100924MS
Percent Solids for Spike Sample: 90.6

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	1310		0.086	U	1420	40	92		10/11/2024

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Matrix Spike Summary

Client: Scheideler Excavating Co. Inc.
SDG No.: P4385
Project: Robbinsville
Sample ID: P4377-01
Client ID: HD-01-100924MS
Percent Solids for Spike Sample: 90.6

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	41.8		0.086	U	44.2	2	95		10/11/2024

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Matrix Spike Summary

Client: Scheideler Excavating Co. Inc.
SDG No.: P4385
Project: Robbinsville
Sample ID: P4377-01
Client ID: HD-01-100924MS
Percent Solids for Spike Sample: 90.6

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	33.9		0.086	U	44.2	2	77		10/11/2024

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Matrix Spike Summary

Client: Scheideler Excavating Co. Inc.
SDG No.: P4385
Project: Robbinsville
Sample ID: P4385-20
Client ID: SP-10MS
Percent Solids for Spike Sample: 94.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.00		0.052	J	2.1	1	93		10/14/2024

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Matrix Spike Summary

Client: Scheideler Excavating Co. Inc.
SDG No.: P4385
Project: Robbinsville
Sample ID: P4385-20
Client ID: SP-10MSD
Percent Solids for Spike Sample: 94.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	1.90		0.052	J	2.1	1	88		10/14/2024

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Duplicate Sample Summary

Client: Scheideler Excavating Co. Inc.
SDG No.: P4385
Project: Robbinsville
Sample ID: P4377-01
Client ID: HD-01-100924DUP
Percent Solids for Spike Sample: 90.6

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.086	U	0.087	U	1	0		10/11/2024

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Duplicate Sample Summary

Client: Scheideler Excavating Co. Inc.
SDG No.: P4385
Project: Robbinsville
Sample ID: P4385-02
Client ID: SP-1DUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	4.96		4.97		1	0.2		10/11/2024

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Duplicate Sample Summary

Client: Scheideler Excavating Co. Inc.
SDG No.: P4385
Project: Robbinsville
Sample ID: P4385-20
Client ID: SP-10DUP
Percent Solids for Spike Sample: 94.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.052	J	0.046	U	1	200	*	10/14/2024

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Duplicate Sample Summary

Client: Scheideler Excavating Co. Inc.
SDG No.: P4385
Project: Robbinsville
Sample ID: P4385-20
Client ID: SP-10MSD
Percent Solids for Spike Sample: 94.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.00		1.90		1	5		10/14/2024

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Duplicate Sample Summary

Client: Scheideler Excavating Co. Inc.
SDG No.: P4385
Project: Robbinsville
Sample ID: P4395-01
Client ID: F05308-SOLIDDUP
Percent Solids for Spike Sample: 81.6

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Paint Filter	ml/100gm	+/-20	1.00	U	1.00	U	1	0		10/14/2024

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Laboratory Control Sample Summary

Client: Scheideler Excavating Co. Inc. **SDG No.:** P4385

Project: Robbinsville **Run No.:** LB132887

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB164052BS								
Hexavalent Chromium	mg/Kg	20	20.0		100	1	84-110	10/11/2024

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Laboratory Control Sample Summary

Client:	Scheideler Excavating Co. Inc.	**SDG No.:**	P4385
Project:	Robbinsville	**Run No.:**	LB132925

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB164122BS								
Cyanide	mg/Kg	5	5.00		100	1	85-115	10/14/2024