

Hit Summary Sheet
SW-846

SDG No.: Q2651

Client: Earth Engineering Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q2651-04	MH 8-7 MH 8-7	SOIL	n-Hexane	* 5.60	J	0	0	ug/Kg
			Total Tics :	5.60				
			Total Concentration:	5.60				
Client ID: Q2651-05	MH 9-8 MH 9-8	SOIL	unknown2.086	* 14.3	J	0	0	ug/Kg
			Total Tics :	14.3				
			Total Concentration:	14.3				



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 2-1		SDG No.:	Q2651	
Lab Sample ID:	Q2651-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	94.5	
Sample Wt/Vol:	5.18	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:	Date Analyzed	Prep Batch ID
VY023043.D	1	07/22/25 14:01	VY072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.10	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.10	ug/Kg
75-01-4	Vinyl Chloride	0.81	U	0.81	5.10	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.10	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.10	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.10	ug/Kg
67-64-1	Acetone	4.80	U	4.80	25.5	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.75	U	0.75	5.10	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.10	ug/Kg
75-09-2	Methylene Chloride	3.60	U	3.60	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.88	U	0.88	5.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.82	U	0.82	5.10	ug/Kg
110-82-7	Cyclohexane	0.81	U	0.81	5.10	ug/Kg
78-93-3	2-Butanone	6.70	U	6.70	25.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	0.99	5.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.77	U	0.77	5.10	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.10	ug/Kg
67-66-3	Chloroform	0.86	U	0.86	5.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.95	U	0.95	5.10	ug/Kg
108-87-2	Methylcyclohexane	0.93	U	0.93	5.10	ug/Kg
71-43-2	Benzene	0.81	U	0.81	5.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.81	U	0.81	5.10	ug/Kg
79-01-6	Trichloroethene	0.83	U	0.83	5.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.93	U	0.93	5.10	ug/Kg
75-27-4	Bromodichloromethane	0.80	U	0.80	5.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.70	U	3.70	25.5	ug/Kg
108-88-3	Toluene	0.80	U	0.80	5.10	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 2-1		SDG No.:	Q2651	
Lab Sample ID:	Q2651-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	94.5	
Sample Wt/Vol:	5.18	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:	Date Analyzed	Prep Batch ID
VY023043.D	1	07/22/25 14:01	VY072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.66	U	0.66	5.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.94	U	0.94	5.10	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	25.5	ug/Kg
124-48-1	Dibromochloromethane	0.89	U	0.89	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.90	U	0.90	5.10	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.10	ug/Kg
108-90-7	Chlorobenzene	0.93	U	0.93	5.10	ug/Kg
100-41-4	Ethyl Benzene	0.68	U	0.68	5.10	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.2	ug/Kg
95-47-6	o-Xylene	0.84	U	0.84	5.10	ug/Kg
100-42-5	Styrene	0.73	U	0.73	5.10	ug/Kg
75-25-2	Bromoform	0.88	U	0.88	5.10	ug/Kg
98-82-8	Isopropylbenzene	0.80	U	0.80	5.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.7		63 - 155	113%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	49.3		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		17 - 146	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	284000	7.713			
540-36-3	1,4-Difluorobenzene	534000	8.616			
3114-55-4	Chlorobenzene-d5	538000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	227000	13.346			

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	94.5
Sample Wt/Vol:	5.18 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:	Date Analyzed	Prep Batch ID
VY023043.D	1	07/22/25 14:01	VY072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 6-5		SDG No.:	Q2651	
Lab Sample ID:	Q2651-02		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	93.8	
Sample Wt/Vol:	5.03	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:	Date Analyzed	Prep Batch ID
VY023031.D	1	07/21/25 16:57	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.30	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.30	ug/Kg
75-01-4	Vinyl Chloride	0.84	U	0.84	5.30	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.30	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	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	1.10	U	1.10	5.30	ug/Kg
67-64-1	Acetone	5.00	U	5.00	26.5	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.77	U	0.77	5.30	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.30	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	10.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.91	U	0.91	5.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.85	U	0.85	5.30	ug/Kg
110-82-7	Cyclohexane	0.84	U	0.84	5.30	ug/Kg
78-93-3	2-Butanone	6.90	U	6.90	26.5	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.79	U	0.79	5.30	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.30	ug/Kg
67-66-3	Chloroform	0.89	U	0.89	5.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.99	U	0.99	5.30	ug/Kg
108-87-2	Methylcyclohexane	0.96	U	0.96	5.30	ug/Kg
71-43-2	Benzene	0.84	U	0.84	5.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.84	U	0.84	5.30	ug/Kg
79-01-6	Trichloroethene	0.86	U	0.86	5.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.96	U	0.96	5.30	ug/Kg
75-27-4	Bromodichloromethane	0.83	U	0.83	5.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	26.5	ug/Kg
108-88-3	Toluene	0.83	U	0.83	5.30	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 6-5		SDG No.:	Q2651	
Lab Sample ID:	Q2651-02		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	93.8	
Sample Wt/Vol:	5.03	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:	Date Analyzed	Prep Batch ID
VY023031.D	1	07/21/25 16:57	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.69	U	0.69	5.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.66	U	0.66	5.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.97	U	0.97	5.30	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	26.5	ug/Kg
124-48-1	Dibromochloromethane	0.92	U	0.92	5.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.93	U	0.93	5.30	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.30	ug/Kg
108-90-7	Chlorobenzene	0.96	U	0.96	5.30	ug/Kg
100-41-4	Ethyl Benzene	0.71	U	0.71	5.30	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.6	ug/Kg
95-47-6	o-Xylene	0.87	U	0.87	5.30	ug/Kg
100-42-5	Styrene	0.75	U	0.75	5.30	ug/Kg
75-25-2	Bromoform	0.91	U	0.91	5.30	ug/Kg
98-82-8	Isopropylbenzene	0.83	U	0.83	5.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.10	U	3.10	5.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	3.40	5.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.3		63 - 155	127%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	50.3		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.4		17 - 146	119%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	256000	7.707			
540-36-3	1,4-Difluorobenzene	498000	8.609			
3114-55-4	Chlorobenzene-d5	525000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	252000	13.34			

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 6-5		SDG No.:	Q2651	
Lab Sample ID:	Q2651-02		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	93.8	
Sample Wt/Vol:	5.03	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:	Date Analyzed	Prep Batch ID
VY023031.D	1	07/21/25 16:57	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 7-6		SDG No.:	Q2651	
Lab Sample ID:	Q2651-03		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	93.9	
Sample Wt/Vol:	5.07	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:	Date Analyzed	Prep Batch ID
VY023032.D	1	07/21/25 17:20	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.30	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.30	ug/Kg
75-01-4	Vinyl Chloride	0.83	U	0.83	5.30	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.30	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	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	1.10	U	1.10	5.30	ug/Kg
67-64-1	Acetone	5.00	U	5.00	26.3	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.77	U	0.77	5.30	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.30	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	10.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.90	U	0.90	5.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.84	U	0.84	5.30	ug/Kg
110-82-7	Cyclohexane	0.83	U	0.83	5.30	ug/Kg
78-93-3	2-Butanone	6.90	U	6.90	26.3	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.79	U	0.79	5.30	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.30	ug/Kg
67-66-3	Chloroform	0.88	U	0.88	5.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.98	U	0.98	5.30	ug/Kg
108-87-2	Methylcyclohexane	0.96	U	0.96	5.30	ug/Kg
71-43-2	Benzene	0.83	U	0.83	5.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.83	U	0.83	5.30	ug/Kg
79-01-6	Trichloroethene	0.85	U	0.85	5.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.96	U	0.96	5.30	ug/Kg
75-27-4	Bromodichloromethane	0.82	U	0.82	5.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	26.3	ug/Kg
108-88-3	Toluene	0.82	U	0.82	5.30	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 7-6		SDG No.:	Q2651	
Lab Sample ID:	Q2651-03		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	93.9	
Sample Wt/Vol:	5.07	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:	Date Analyzed	Prep Batch ID
VY023032.D	1	07/21/25 17:20	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.68	U	0.68	5.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.65	U	0.65	5.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.97	U	0.97	5.30	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	26.3	ug/Kg
124-48-1	Dibromochloromethane	0.91	U	0.91	5.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.92	U	0.92	5.30	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.30	ug/Kg
108-90-7	Chlorobenzene	0.96	U	0.96	5.30	ug/Kg
100-41-4	Ethyl Benzene	0.70	U	0.70	5.30	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.5	ug/Kg
95-47-6	o-Xylene	0.86	U	0.86	5.30	ug/Kg
100-42-5	Styrene	0.75	U	0.75	5.30	ug/Kg
75-25-2	Bromoform	0.90	U	0.90	5.30	ug/Kg
98-82-8	Isopropylbenzene	0.82	U	0.82	5.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.10	U	3.10	5.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.30	U	3.30	5.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.5		63 - 155	127%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		70 - 134	106%	SPK: 50
2037-26-5	Toluene-d8	49.7		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.6		17 - 146	119%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	261000	7.707			
540-36-3	1,4-Difluorobenzene	509000	8.616			
3114-55-4	Chlorobenzene-d5	539000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	250000	13.34			

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 7-6		SDG No.:	Q2651	
Lab Sample ID:	Q2651-03		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	93.9	
Sample Wt/Vol:	5.07	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:	Date Analyzed	Prep Batch ID
VY023032.D	1	07/21/25 17:20	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 8-7		SDG No.:	Q2651	
Lab Sample ID:	Q2651-04		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	94.6	
Sample Wt/Vol:	5.02	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:	Date Analyzed	Prep Batch ID
VY023033.D	1	07/21/25 17:43	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.30	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.30	ug/Kg
75-01-4	Vinyl Chloride	0.83	U	0.83	5.30	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.30	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	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	1.10	U	1.10	5.30	ug/Kg
67-64-1	Acetone	5.00	U	5.00	26.3	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.77	U	0.77	5.30	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.30	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	10.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.91	U	0.91	5.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.84	U	0.84	5.30	ug/Kg
110-82-7	Cyclohexane	0.83	U	0.83	5.30	ug/Kg
78-93-3	2-Butanone	6.90	U	6.90	26.3	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.79	U	0.79	5.30	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.30	ug/Kg
67-66-3	Chloroform	0.88	U	0.88	5.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.98	U	0.98	5.30	ug/Kg
108-87-2	Methylcyclohexane	0.96	U	0.96	5.30	ug/Kg
71-43-2	Benzene	0.83	U	0.83	5.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.83	U	0.83	5.30	ug/Kg
79-01-6	Trichloroethene	0.85	U	0.85	5.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.96	U	0.96	5.30	ug/Kg
75-27-4	Bromodichloromethane	0.82	U	0.82	5.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	26.3	ug/Kg
108-88-3	Toluene	0.82	U	0.82	5.30	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	94.6
Sample Wt/Vol:	5.02	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOC-TCLVOA-10
		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023033.D	1	07/21/25 17:43	VY072125

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Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 8-7		SDG No.:	Q2651	
Lab Sample ID:	Q2651-04		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	94.6	
Sample Wt/Vol:	5.02	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:	Date Analyzed	Prep Batch ID
VY023033.D	1	07/21/25 17:43	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000110-54-3	n-Hexane	5.60	J		5.64	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

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 9-8		SDG No.:	Q2651	
Lab Sample ID:	Q2651-05		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	92.9	
Sample Wt/Vol:	5.02	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:	Date Analyzed	Prep Batch ID
VY023034.D	1	07/21/25 18:07	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.40	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.40	ug/Kg
75-01-4	Vinyl Chloride	0.85	U	0.85	5.40	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.40	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.40	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.40	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.40	ug/Kg
67-64-1	Acetone	5.10	U	5.10	26.8	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.78	U	0.78	5.40	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	5.40	ug/Kg
75-09-2	Methylene Chloride	3.80	U	3.80	10.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.92	U	0.92	5.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.86	U	0.86	5.40	ug/Kg
110-82-7	Cyclohexane	0.85	U	0.85	5.40	ug/Kg
78-93-3	2-Butanone	7.00	U	7.00	26.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.40	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.40	ug/Kg
67-66-3	Chloroform	0.90	U	0.90	5.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.40	ug/Kg
108-87-2	Methylcyclohexane	0.98	U	0.98	5.40	ug/Kg
71-43-2	Benzene	0.85	U	0.85	5.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.85	U	0.85	5.40	ug/Kg
79-01-6	Trichloroethene	0.87	U	0.87	5.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.98	U	0.98	5.40	ug/Kg
75-27-4	Bromodichloromethane	0.84	U	0.84	5.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	26.8	ug/Kg
108-88-3	Toluene	0.84	U	0.84	5.40	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8	SDG No.:	Q2651
Lab Sample ID:	Q2651-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.9
Sample Wt/Vol:	5.02	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023034.D	1	07/21/25 18:07	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.70	U	0.70	5.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.66	U	0.66	5.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.99	U	0.99	5.40	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	26.8	ug/Kg
124-48-1	Dibromochloromethane	0.93	U	0.93	5.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.94	U	0.94	5.40	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.40	ug/Kg
108-90-7	Chlorobenzene	0.98	U	0.98	5.40	ug/Kg
100-41-4	Ethyl Benzene	0.72	U	0.72	5.40	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.7	ug/Kg
95-47-6	o-Xylene	0.88	U	0.88	5.40	ug/Kg
100-42-5	Styrene	0.76	U	0.76	5.40	ug/Kg
75-25-2	Bromoform	0.92	U	0.92	5.40	ug/Kg
98-82-8	Isopropylbenzene	0.84	U	0.84	5.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	5.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.20	U	3.20	5.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	3.40	5.40	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	34.8	63 - 155	70%	SPK: 50
1868-53-7	Dibromofluoromethane	41.3	70 - 134	83%	SPK: 50
2037-26-5	Toluene-d8	42.9	74 - 123	86%	SPK: 50
460-00-4	4-Bromofluorobenzene	29.7	17 - 146	59%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	24900	7.707
540-36-3	1,4-Difluorobenzene	36100	8.61
3114-55-4	Chlorobenzene-d5	27700	11.414
3855-82-1	1,4-Dichlorobenzene-d4	6240	13.347

TENTATIVE IDENTIFIED COMPOUNDS

C

D

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 9-8		SDG No.:	Q2651	
Lab Sample ID:	Q2651-05		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	92.9	
Sample Wt/Vol:	5.02	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:	Date Analyzed	Prep Batch ID
VY023034.D	1	07/21/25 18:07	VY072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown2.086	14.3	J		2.09	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

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 9-8RE		SDG No.:	Q2651	
Lab Sample ID:	Q2651-05RE		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	92.9	
Sample Wt/Vol:	5.22	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:	Date Analyzed	Prep Batch ID
VY023044.D	1	07/22/25 14:25	VY072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.20	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.20	ug/Kg
75-01-4	Vinyl Chloride	0.81	U	0.81	5.20	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.20	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.20	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.20	ug/Kg
67-64-1	Acetone	4.90	U	4.90	25.8	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.75	U	0.75	5.20	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.20	ug/Kg
75-09-2	Methylene Chloride	3.60	U	3.60	10.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.89	U	0.89	5.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.82	U	0.82	5.20	ug/Kg
110-82-7	Cyclohexane	0.81	U	0.81	5.20	ug/Kg
78-93-3	2-Butanone	6.70	U	6.70	25.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.77	U	0.77	5.20	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.20	ug/Kg
67-66-3	Chloroform	0.87	U	0.87	5.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.96	U	0.96	5.20	ug/Kg
108-87-2	Methylcyclohexane	0.94	U	0.94	5.20	ug/Kg
71-43-2	Benzene	0.81	U	0.81	5.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.81	U	0.81	5.20	ug/Kg
79-01-6	Trichloroethene	0.84	U	0.84	5.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.94	U	0.94	5.20	ug/Kg
75-27-4	Bromodichloromethane	0.80	U	0.80	5.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.70	U	3.70	25.8	ug/Kg
108-88-3	Toluene	0.80	U	0.80	5.20	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 9-8RE		SDG No.:	Q2651	
Lab Sample ID:	Q2651-05RE		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	92.9	
Sample Wt/Vol:	5.22	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:	Date Analyzed	Prep Batch ID
VY023044.D	1	07/22/25 14:25	VY072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.67	U	0.67	5.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.64	U	0.64	5.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.95	U	0.95	5.20	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	25.8	ug/Kg
124-48-1	Dibromochloromethane	0.90	U	0.90	5.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.91	U	0.91	5.20	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.20	ug/Kg
108-90-7	Chlorobenzene	0.94	U	0.94	5.20	ug/Kg
100-41-4	Ethyl Benzene	0.69	U	0.69	5.20	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.3	ug/Kg
95-47-6	o-Xylene	0.85	U	0.85	5.20	ug/Kg
100-42-5	Styrene	0.73	U	0.73	5.20	ug/Kg
75-25-2	Bromoform	0.89	U	0.89	5.20	ug/Kg
98-82-8	Isopropylbenzene	0.80	U	0.80	5.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.10	U	3.10	5.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.30	U	3.30	5.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.3		63 - 155	109%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	46.1		74 - 123	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		17 - 146	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	52600	7.707			
540-36-3	1,4-Difluorobenzene	87700	8.616			
3114-55-4	Chlorobenzene-d5	80800	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	28100	13.346			

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8RE	SDG No.:	Q2651
Lab Sample ID:	Q2651-05RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.9
Sample Wt/Vol:	5.22 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:	Date Analyzed	Prep Batch ID
VY023044.D	1	07/22/25 14:25	VY072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

LAB CHRONICLE

OrderID: Q2651
Client: Earth Engineering Inc.
Contact: Frank Dougherty, LSRP

OrderDate: 7/18/2025 2:29:11 PM
Project: Leon Avenue
Location: O22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2651-01	MH 2-1	SOIL	VOC-TCLVOA-10	8260D	07/17/25		07/22/25	07/18/25
Q2651-02	MH 6-5	SOIL	VOC-TCLVOA-10	8260D	07/17/25		07/21/25	07/18/25
Q2651-03	MH 7-6	SOIL	VOC-TCLVOA-10	8260D	07/17/25		07/21/25	07/18/25
Q2651-04	MH 8-7	SOIL	VOC-TCLVOA-10	8260D	07/17/25		07/21/25	07/18/25
Q2651-05	MH 9-8	SOIL	VOC-TCLVOA-10	8260D	07/17/25		07/21/25	07/18/25
Q2651-05RE	MH 9-8RE	SOIL	VOC-TCLVOA-10	8260D	07/17/25		07/22/25	07/18/25



A
B
C
D

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	MH 2-1							
Q2651-01	MH 2-1	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	190.000	AB	0	0	ug/Kg
Q2651-01	MH 2-1	SOIL	5-Eicosene, (E)- *	190.000	J	0	0	ug/Kg
Q2651-01	MH 2-1	SOIL	Benzophenone *	130.000	J	0	0	ug/Kg
Q2651-01	MH 2-1	SOIL	Butane, 2-methoxy-2-methyl- *	900.000	J	0	0	ug/Kg
Q2651-01	MH 2-1	SOIL	n-Hexadecanoic acid *	290.000	J	0	0	ug/Kg
			Total Tics :			1,700.00		
			Total Concentration:			1,700.00		
Client ID :	MH 6-5							
Q2651-02	MH 6-5	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	160.000	AB	0	0	ug/Kg
Q2651-02	MH 6-5	SOIL	Benzophenone *	120.000	J	0	0	ug/Kg
Q2651-02	MH 6-5	SOIL	Butane, 2-methoxy-2-methyl- *	600.000	J	0	0	ug/Kg
Q2651-02	MH 6-5	SOIL	Cycloeicosane *	210.000	J	0	0	ug/Kg
Q2651-02	MH 6-5	SOIL	n-Hexadecanoic acid *	360.000	J	0	0	ug/Kg
Q2651-02	MH 6-5	SOIL	Octadecanoic acid *	74.600	J	0	0	ug/Kg
			Total Tics :			1,524.60		
			Total Concentration:			1,524.60		
Client ID :	MH 7-6							
Q2651-03	MH 7-6	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	240.000	AB	0	0	ug/Kg
Q2651-03	MH 7-6	SOIL	Benzophenone *	150.000	J	0	0	ug/Kg
Q2651-03	MH 7-6	SOIL	Butane, 2-methoxy-2-methyl- *	920.000	J	0	0	ug/Kg
Q2651-03	MH 7-6	SOIL	Cycloeicosane *	270.000	J	0	0	ug/Kg
Q2651-03	MH 7-6	SOIL	n-Hexadecanoic acid *	470.000	J	0	0	ug/Kg
Q2651-03	MH 7-6	SOIL	Octadecanoic acid *	110.000	J	0	0	ug/Kg
			Total Tics :			2,160.00		
			Total Concentration:			2,160.00		
Client ID :	MH 8-7							
Q2651-04	MH 8-7	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	210.000	AB	0	0	ug/Kg
Q2651-04	MH 8-7	SOIL	Benzophenone *	150.000	J	0	0	ug/Kg
Q2651-04	MH 8-7	SOIL	Butane, 2-methoxy-2-methyl- *	860.000	J	0	0	ug/Kg
Q2651-04	MH 8-7	SOIL	Cycloeicosane *	280.000	J	0	0	ug/Kg
Q2651-04	MH 8-7	SOIL	n-Hexadecanoic acid *	460.000	J	0	0	ug/Kg
Q2651-04	MH 8-7	SOIL	Octadecanoic acid *	82.300	J	0	0	ug/Kg
Q2651-04	MH 8-7	SOIL	Supraene *	91.800	J	0	0	ug/Kg
			Total Tics :			2,134.10		
			Total Concentration:			2,134.10		
Client ID :	MH 9-8							

Hit Summary Sheet SW-846

SDG No.: Q2651
Client: Earth Engineering Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2651-05	MH 9-8	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	180.000	AB	0	0	ug/Kg
Q2651-05	MH 9-8	SOIL	3-Eicosene, (E)- *	220.000	J	0	0	ug/Kg
Q2651-05	MH 9-8	SOIL	Benzophenone *	120.000	J	0	0	ug/Kg
Q2651-05	MH 9-8	SOIL	Butane, 2-methoxy-2-methyl- *	780.000	J	0	0	ug/Kg
Q2651-05	MH 9-8	SOIL	n-Hexadecanoic acid *	460.000	J	0	0	ug/Kg
Q2651-05	MH 9-8	SOIL	Octadecanoic acid *	100.000	J	0	0	ug/Kg
Q2651-05	MH 9-8	SOIL	Squalene *	230.000	J	0	0	ug/Kg
Q2651-05	MH 9-8	SOIL	Triphenylphosphine oxide *	78.700	J	0	0	ug/Kg
Total Tics :				2,168.70				
Total Concentration:				2,168.70				



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.5
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
BF143171.D	1	07/21/25 09:30	07/21/25 15:00	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	350	ug/Kg
108-95-2	Phenol	23.3	U	23.3	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.7	U	25.7	180	ug/Kg
95-57-8	2-Chlorophenol	25.8	U	25.8	180	ug/Kg
95-48-7	2-Methylphenol	31.6	U	31.6	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	39.6	U	39.6	180	ug/Kg
98-86-2	Acetophenone	31.2	U	31.2	180	ug/Kg
65794-96-9	3+4-Methylphenols	43.4	U	43.4	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.1	U	50.1	84.5	ug/Kg
67-72-1	Hexachloroethane	18.6	U	18.6	180	ug/Kg
98-95-3	Nitrobenzene	19.3	U	19.3	180	ug/Kg
78-59-1	Isophorone	34.7	U	34.7	180	ug/Kg
88-75-5	2-Nitrophenol	61.5	U	61.5	180	ug/Kg
105-67-9	2,4-Dimethylphenol	68.5	U	68.5	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32.5	U	32.5	180	ug/Kg
120-83-2	2,4-Dichlorophenol	29.9	U	29.9	180	ug/Kg
91-20-3	Naphthalene	24.0	U	24.0	180	ug/Kg
106-47-8	4-Chloroaniline	37.4	U	37.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	26.7	U	26.7	180	ug/Kg
105-60-2	Caprolactam	55.0	U	55.0	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.3	U	30.3	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.0	U	27.0	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	20.9	U	20.9	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	30.7	U	30.7	180	ug/Kg
92-52-4	1,1-Biphenyl	23.0	U	23.0	180	ug/Kg
91-58-7	2-Chloronaphthalene	23.8	U	23.8	180	ug/Kg
88-74-4	2-Nitroaniline	50.8	U	50.8	180	ug/Kg
131-11-3	Dimethylphthalate	28.6	U	28.6	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.5
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
BF143171.D	1	07/21/25 09:30	07/21/25 15:00	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	30.5	U	30.5	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	35.5	U	35.5	180	ug/Kg
99-09-2	3-Nitroaniline	48.6	U	48.6	180	ug/Kg
83-32-9	Acenaphthene	22.5	U	22.5	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.0	U	24.0	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	52.9	U	52.9	180	ug/Kg
84-66-2	Diethylphthalate	29.9	U	29.9	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.2	U	28.2	180	ug/Kg
86-73-7	Fluorene	26.7	U	26.7	180	ug/Kg
100-01-6	4-Nitroaniline	67.8	U	67.8	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	34.8	U	34.8	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.4	U	29.4	180	ug/Kg
118-74-1	Hexachlorobenzene	26.7	U	26.7	180	ug/Kg
1912-24-9	Atrazine	35.9	U	35.9	180	ug/Kg
87-86-5	Pentachlorophenol	54.2	UQ	54.2	350	ug/Kg
85-01-8	Phenanthrene	22.1	U	22.1	180	ug/Kg
120-12-7	Anthracene	35.2	U	35.2	180	ug/Kg
86-74-8	Carbazole	33.0	U	33.0	180	ug/Kg
84-74-2	Di-n-butylphthalate	50.6	U	50.6	180	ug/Kg
206-44-0	Fluoranthene	31.7	U	31.7	180	ug/Kg
129-00-0	Pyrene	38.0	U	38.0	180	ug/Kg
85-68-7	Butylbenzylphthalate	75.4	UQ	75.4	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	38.8	U	38.8	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.3	U	24.3	180	ug/Kg
218-01-9	Chrysene	21.0	U	21.0	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.5	U	62.5	180	ug/Kg
117-84-0	Di-n-octyl phthalate	91.7	U	91.7	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.1	U	20.1	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.5
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
BF143171.D	1	07/21/25 09:30	07/21/25 15:00	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.7	U	23.7	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.2	U	31.2	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	30.7	U	30.7	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	28.9	U	28.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.2	U	27.2	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.0	U	27.0	180	ug/Kg
123-91-1	1,4-Dioxane	47.8	U	47.8	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	28.9	U	28.9	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	61.7		18 - 112	41%	SPK: 150
13127-88-3	Phenol-d6	61.9		15 - 107	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	41.0		18 - 107	41%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.6		20 - 109	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	56.7		10 - 116	38%	SPK: 150
1718-51-0	Terphenyl-d14	32.0		10 - 105	32%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	127000	6.963
1146-65-2	Naphthalene-d8	470000	8.239
15067-26-2	Acenaphthene-d10	227000	9.998
1517-22-2	Phenanthrene-d10	320000	11.48
1719-03-5	Chrysene-d12	263000	14.116
1520-96-3	Perylene-d12	209000	15.621

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	900	J	2.30	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB	5.19	ug/Kg
000119-61-9	Benzophenone	130	J	10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	290	J	12.0	ug/Kg
074685-30-6	5-Eicosene, (E)-	190	J	14.0	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 2-1		SDG No.:	Q2651	
Lab Sample ID:	Q2651-01		Matrix:	SOIL	
Analytical Method:	8270E		% Solid:	94.5	
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
BF143171.D	1	07/21/25 09:30	07/21/25 15:00	PB168929

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 6-5	SDG No.:	Q2651
Lab Sample ID:	Q2651-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.8
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
BF143172.D	1	07/21/25 09:30	07/21/25 15:29	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	350	ug/Kg
108-95-2	Phenol	23.6	U	23.6	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.9	U	25.9	180	ug/Kg
95-57-8	2-Chlorophenol	26.0	U	26.0	180	ug/Kg
95-48-7	2-Methylphenol	31.9	U	31.9	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.0	U	40.0	180	ug/Kg
98-86-2	Acetophenone	31.4	U	31.4	180	ug/Kg
65794-96-9	3+4-Methylphenols	43.8	U	43.8	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.5	U	50.5	85.3	ug/Kg
67-72-1	Hexachloroethane	18.8	U	18.8	180	ug/Kg
98-95-3	Nitrobenzene	19.5	U	19.5	180	ug/Kg
78-59-1	Isophorone	35.0	U	35.0	180	ug/Kg
88-75-5	2-Nitrophenol	62.0	U	62.0	180	ug/Kg
105-67-9	2,4-Dimethylphenol	69.1	U	69.1	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32.8	U	32.8	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.2	U	30.2	180	ug/Kg
91-20-3	Naphthalene	24.2	U	24.2	180	ug/Kg
106-47-8	4-Chloroaniline	37.7	U	37.7	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.0	U	27.0	180	ug/Kg
105-60-2	Caprolactam	55.5	U	55.5	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.6	U	30.6	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.3	U	27.3	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.1	U	21.1	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.0	U	31.0	180	ug/Kg
92-52-4	1,1-Biphenyl	23.2	U	23.2	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.0	U	24.0	180	ug/Kg
88-74-4	2-Nitroaniline	51.3	U	51.3	180	ug/Kg
131-11-3	Dimethylphthalate	28.9	U	28.9	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 6-5	SDG No.:	Q2651
Lab Sample ID:	Q2651-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.8
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
BF143172.D	1	07/21/25 09:30	07/21/25 15:29	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	30.8	U	30.8	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	35.8	U	35.8	180	ug/Kg
99-09-2	3-Nitroaniline	49.0	U	49.0	180	ug/Kg
83-32-9	Acenaphthene	22.7	U	22.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.2	U	24.2	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.4	U	53.4	180	ug/Kg
84-66-2	Diethylphthalate	30.2	U	30.2	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.5	U	28.5	180	ug/Kg
86-73-7	Fluorene	27.0	U	27.0	180	ug/Kg
100-01-6	4-Nitroaniline	68.4	U	68.4	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.1	U	35.1	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.6	U	29.6	180	ug/Kg
118-74-1	Hexachlorobenzene	27.0	U	27.0	180	ug/Kg
1912-24-9	Atrazine	36.2	U	36.2	180	ug/Kg
87-86-5	Pentachlorophenol	54.7	UQ	54.7	350	ug/Kg
85-01-8	Phenanthrene	22.3	U	22.3	180	ug/Kg
120-12-7	Anthracene	35.5	U	35.5	180	ug/Kg
86-74-8	Carbazole	33.3	U	33.3	180	ug/Kg
84-74-2	Di-n-butylphthalate	51.0	U	51.0	180	ug/Kg
206-44-0	Fluoranthene	32.0	U	32.0	180	ug/Kg
129-00-0	Pyrene	38.4	U	38.4	180	ug/Kg
85-68-7	Butylbenzylphthalate	76.1	UQ	76.1	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.1	U	39.1	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.5	U	24.5	180	ug/Kg
218-01-9	Chrysene	21.2	U	21.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63.1	U	63.1	180	ug/Kg
117-84-0	Di-n-octyl phthalate	92.5	U	92.5	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.2	U	20.2	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 6-5	SDG No.:	Q2651
Lab Sample ID:	Q2651-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.8
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
BF143172.D	1	07/21/25 09:30	07/21/25 15:29	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.9	U	23.9	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.4	U	31.4	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.0	U	31.0	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.2	U	29.2	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.4	U	27.4	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.3	U	27.3	180	ug/Kg
123-91-1	1,4-Dioxane	48.2	U	48.2	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.2	U	29.2	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	52.0		18 - 112	35%	SPK: 150
13127-88-3	Phenol-d6	55.3		15 - 107	37%	SPK: 150
4165-60-0	Nitrobenzene-d5	35.7		18 - 107	36%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.5		20 - 109	40%	SPK: 100
118-79-6	2,4,6-Tribromophenol	49.9		10 - 116	33%	SPK: 150
1718-51-0	Terphenyl-d14	30.8		10 - 105	31%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	136000	6.963			
1146-65-2	Naphthalene-d8	503000	8.239			
15067-26-2	Acenaphthene-d10	242000	9.998			
1517-22-2	Phenanthrene-d10	333000	11.48			
1719-03-5	Chrysene-d12	276000	14.121			
1520-96-3	Perylene-d12	194000	15.627			

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	600	J		2.28	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	AB		5.19	ug/Kg
000119-61-9	Benzophenone	120	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	360	J		12.0	ug/Kg
000057-11-4	Octadecanoic acid	74.6	J		12.8	ug/Kg
000296-56-0	Cycloeicosane	210	J		14.0	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 6-5	SDG No.:	Q2651
Lab Sample ID:	Q2651-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.8
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
BF143172.D	1	07/21/25 09:30	07/21/25 15:29	PB168929

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 7-6	SDG No.:	Q2651
Lab Sample ID:	Q2651-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.9
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
BF143173.D	1	07/21/25 09:30	07/21/25 15:58	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	350	ug/Kg
108-95-2	Phenol	23.5	U	23.5	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.8	U	25.8	180	ug/Kg
95-57-8	2-Chlorophenol	25.9	U	25.9	180	ug/Kg
95-48-7	2-Methylphenol	31.8	U	31.8	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	39.9	U	39.9	180	ug/Kg
98-86-2	Acetophenone	31.4	U	31.4	180	ug/Kg
65794-96-9	3+4-Methylphenols	43.7	U	43.7	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.4	U	50.4	85.0	ug/Kg
67-72-1	Hexachloroethane	18.7	U	18.7	180	ug/Kg
98-95-3	Nitrobenzene	19.4	U	19.4	180	ug/Kg
78-59-1	Isophorone	34.9	U	34.9	180	ug/Kg
88-75-5	2-Nitrophenol	61.9	U	61.9	180	ug/Kg
105-67-9	2,4-Dimethylphenol	68.9	U	68.9	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32.7	U	32.7	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.1	U	30.1	180	ug/Kg
91-20-3	Naphthalene	24.1	U	24.1	180	ug/Kg
106-47-8	4-Chloroaniline	37.6	U	37.6	180	ug/Kg
87-68-3	Hexachlorobutadiene	26.9	U	26.9	180	ug/Kg
105-60-2	Caprolactam	55.4	U	55.4	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.5	U	30.5	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.2	U	27.2	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.0	U	21.0	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	30.9	U	30.9	180	ug/Kg
92-52-4	1,1-Biphenyl	23.2	U	23.2	180	ug/Kg
91-58-7	2-Chloronaphthalene	23.9	U	23.9	180	ug/Kg
88-74-4	2-Nitroaniline	51.1	U	51.1	180	ug/Kg
131-11-3	Dimethylphthalate	28.8	U	28.8	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 7-6	SDG No.:	Q2651
Lab Sample ID:	Q2651-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.9
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
BF143173.D	1	07/21/25 09:30	07/21/25 15:58	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	30.7	U	30.7	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	35.7	U	35.7	180	ug/Kg
99-09-2	3-Nitroaniline	48.9	U	48.9	180	ug/Kg
83-32-9	Acenaphthene	22.6	U	22.6	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.1	U	24.1	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.2	U	53.2	180	ug/Kg
84-66-2	Diethylphthalate	30.1	U	30.1	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.4	U	28.4	180	ug/Kg
86-73-7	Fluorene	26.9	U	26.9	180	ug/Kg
100-01-6	4-Nitroaniline	68.2	U	68.2	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.0	U	35.0	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.5	U	29.5	180	ug/Kg
118-74-1	Hexachlorobenzene	26.9	U	26.9	180	ug/Kg
1912-24-9	Atrazine	36.1	U	36.1	180	ug/Kg
87-86-5	Pentachlorophenol	54.5	UQ	54.5	350	ug/Kg
85-01-8	Phenanthrene	22.2	U	22.2	180	ug/Kg
120-12-7	Anthracene	35.4	U	35.4	180	ug/Kg
86-74-8	Carbazole	33.2	U	33.2	180	ug/Kg
84-74-2	Di-n-butylphthalate	50.9	U	50.9	180	ug/Kg
206-44-0	Fluoranthene	31.9	U	31.9	180	ug/Kg
129-00-0	Pyrene	38.3	U	38.3	180	ug/Kg
85-68-7	Butylbenzylphthalate	75.9	UQ	75.9	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.0	U	39.0	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.4	U	24.4	180	ug/Kg
218-01-9	Chrysene	21.2	U	21.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.9	U	62.9	180	ug/Kg
117-84-0	Di-n-octyl phthalate	92.3	U	92.3	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.2	U	20.2	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 7-6	SDG No.:	Q2651
Lab Sample ID:	Q2651-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.9
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
BF143173.D	1	07/21/25 09:30	07/21/25 15:58	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.8	U	23.8	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.4	U	31.4	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	30.9	U	30.9	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.1	U	29.1	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.3	U	27.3	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.2	U	27.2	180	ug/Kg
123-91-1	1,4-Dioxane	48.0	U	48.0	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.1	U	29.1	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	75.7		18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	76.9		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.1		18 - 107	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.5		20 - 109	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.7		10 - 116	50%	SPK: 150
1718-51-0	Terphenyl-d14	41.6		10 - 105	42%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	125000	6.963
1146-65-2	Naphthalene-d8	446000	8.24
15067-26-2	Acenaphthene-d10	207000	9.998
1517-22-2	Phenanthrene-d10	301000	11.481
1719-03-5	Chrysene-d12	276000	14.122
1520-96-3	Perylene-d12	200000	15.627

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	920	J	2.30	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	AB	5.19	ug/Kg
000119-61-9	Benzophenone	150	J	10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	470	J	12.0	ug/Kg
000057-11-4	Octadecanoic acid	110	J	12.8	ug/Kg
000296-56-0	Cycloeicosane	270	J	14.0	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 7-6		SDG No.:	Q2651	
Lab Sample ID:	Q2651-03		Matrix:	SOIL	
Analytical Method:	8270E		% Solid:	93.9	
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
BF143173.D	1	07/21/25 09:30	07/21/25 15:58	PB168929

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.6
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
BF143174.D	1	07/21/25 09:30	07/21/25 16:28	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	350	ug/Kg
108-95-2	Phenol	23.3	U	23.3	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.7	U	25.7	180	ug/Kg
95-57-8	2-Chlorophenol	25.8	U	25.8	180	ug/Kg
95-48-7	2-Methylphenol	31.6	U	31.6	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	39.6	U	39.6	180	ug/Kg
98-86-2	Acetophenone	31.1	U	31.1	180	ug/Kg
65794-96-9	3+4-Methylphenols	43.4	U	43.4	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.0	U	50.0	84.5	ug/Kg
67-72-1	Hexachloroethane	18.6	U	18.6	180	ug/Kg
98-95-3	Nitrobenzene	19.3	U	19.3	180	ug/Kg
78-59-1	Isophorone	34.6	U	34.6	180	ug/Kg
88-75-5	2-Nitrophenol	61.4	U	61.4	180	ug/Kg
105-67-9	2,4-Dimethylphenol	68.4	U	68.4	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32.5	U	32.5	180	ug/Kg
120-83-2	2,4-Dichlorophenol	29.9	U	29.9	180	ug/Kg
91-20-3	Naphthalene	24.0	U	24.0	180	ug/Kg
106-47-8	4-Chloroaniline	37.4	U	37.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	26.7	U	26.7	180	ug/Kg
105-60-2	Caprolactam	55.0	U	55.0	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.3	U	30.3	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.0	U	27.0	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	20.9	U	20.9	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	30.7	U	30.7	180	ug/Kg
92-52-4	1,1-Biphenyl	23.0	U	23.0	180	ug/Kg
91-58-7	2-Chloronaphthalene	23.8	U	23.8	180	ug/Kg
88-74-4	2-Nitroaniline	50.8	U	50.8	180	ug/Kg
131-11-3	Dimethylphthalate	28.6	U	28.6	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.6
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
BF143174.D	1	07/21/25 09:30	07/21/25 16:28	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	30.5	U	30.5	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	35.5	U	35.5	180	ug/Kg
99-09-2	3-Nitroaniline	48.6	U	48.6	180	ug/Kg
83-32-9	Acenaphthene	22.5	U	22.5	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.0	U	24.0	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	52.9	U	52.9	180	ug/Kg
84-66-2	Diethylphthalate	29.9	U	29.9	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.2	U	28.2	180	ug/Kg
86-73-7	Fluorene	26.7	U	26.7	180	ug/Kg
100-01-6	4-Nitroaniline	67.8	U	67.8	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	34.7	U	34.7	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.3	U	29.3	180	ug/Kg
118-74-1	Hexachlorobenzene	26.7	U	26.7	180	ug/Kg
1912-24-9	Atrazine	35.9	U	35.9	180	ug/Kg
87-86-5	Pentachlorophenol	54.2	UQ	54.2	350	ug/Kg
85-01-8	Phenanthrene	22.1	U	22.1	180	ug/Kg
120-12-7	Anthracene	35.2	U	35.2	180	ug/Kg
86-74-8	Carbazole	32.9	U	32.9	180	ug/Kg
84-74-2	Di-n-butylphthalate	50.6	U	50.6	180	ug/Kg
206-44-0	Fluoranthene	31.7	U	31.7	180	ug/Kg
129-00-0	Pyrene	38.0	U	38.0	180	ug/Kg
85-68-7	Butylbenzylphthalate	75.4	UQ	75.4	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	38.7	U	38.7	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.3	U	24.3	180	ug/Kg
218-01-9	Chrysene	21.0	U	21.0	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.5	U	62.5	180	ug/Kg
117-84-0	Di-n-octyl phthalate	91.6	U	91.6	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.1	U	20.1	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.6
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
BF143174.D	1	07/21/25 09:30	07/21/25 16:28	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.6	U	23.6	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.1	U	31.1	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	30.7	U	30.7	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	28.9	U	28.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.1	U	27.1	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.0	U	27.0	180	ug/Kg
123-91-1	1,4-Dioxane	47.7	U	47.7	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	28.9	U	28.9	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	69.6		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	71.8		15 - 107	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.7		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.8		20 - 109	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	64.5		10 - 116	43%	SPK: 150
1718-51-0	Terphenyl-d14	39.4		10 - 105	39%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	142000	6.963
1146-65-2	Naphthalene-d8	527000	8.239
15067-26-2	Acenaphthene-d10	244000	9.998
1517-22-2	Phenanthrene-d10	323000	11.48
1719-03-5	Chrysene-d12	273000	14.121
1520-96-3	Perylene-d12	186000	15.621

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	860	J	2.31	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB	5.19	ug/Kg
000119-61-9	Benzophenone	150	J	10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	460	J	12.0	ug/Kg
000057-11-4	Octadecanoic acid	82.3	J	12.8	ug/Kg
000296-56-0	Cycloeicosane	280	J	14.0	ug/Kg
007683-64-9	Supraene	91.8	J	15.0	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.6
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	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
BF143174.D	1	07/21/25 09:30	07/21/25 16:28	PB168929

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8	SDG No.:	Q2651
Lab Sample ID:	Q2651-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.9
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
BF143175.D	1	07/21/25 09:30	07/21/25 16:58	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	350	ug/Kg
108-95-2	Phenol	23.7	U	23.7	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.1	U	26.1	180	ug/Kg
95-57-8	2-Chlorophenol	26.2	U	26.2	180	ug/Kg
95-48-7	2-Methylphenol	32.1	U	32.1	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.3	U	40.3	180	ug/Kg
98-86-2	Acetophenone	31.7	U	31.7	180	ug/Kg
65794-96-9	3+4-Methylphenols	44.1	U	44.1	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.9	U	50.9	85.9	ug/Kg
67-72-1	Hexachloroethane	18.9	U	18.9	180	ug/Kg
98-95-3	Nitrobenzene	19.6	U	19.6	180	ug/Kg
78-59-1	Isophorone	35.2	U	35.2	180	ug/Kg
88-75-5	2-Nitrophenol	62.5	U	62.5	180	ug/Kg
105-67-9	2,4-Dimethylphenol	69.6	U	69.6	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.1	U	33.1	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.4	U	30.4	180	ug/Kg
91-20-3	Naphthalene	24.4	U	24.4	180	ug/Kg
106-47-8	4-Chloroaniline	38.0	U	38.0	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.2	U	27.2	180	ug/Kg
105-60-2	Caprolactam	55.9	U	55.9	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.8	U	30.8	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.5	U	27.5	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.3	U	21.3	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.2	U	31.2	180	ug/Kg
92-52-4	1,1-Biphenyl	23.4	U	23.4	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.2	U	24.2	180	ug/Kg
88-74-4	2-Nitroaniline	51.6	U	51.6	180	ug/Kg
131-11-3	Dimethylphthalate	29.1	U	29.1	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8	SDG No.:	Q2651
Lab Sample ID:	Q2651-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.9
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
BF143175.D	1	07/21/25 09:30	07/21/25 16:58	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.0	U	31.0	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.1	U	36.1	180	ug/Kg
99-09-2	3-Nitroaniline	49.4	U	49.4	180	ug/Kg
83-32-9	Acenaphthene	22.9	U	22.9	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.4	U	24.4	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.8	U	53.8	180	ug/Kg
84-66-2	Diethylphthalate	30.4	U	30.4	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.7	U	28.7	180	ug/Kg
86-73-7	Fluorene	27.2	U	27.2	180	ug/Kg
100-01-6	4-Nitroaniline	68.9	U	68.9	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.3	U	35.3	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.8	U	29.8	180	ug/Kg
118-74-1	Hexachlorobenzene	27.2	U	27.2	180	ug/Kg
1912-24-9	Atrazine	36.5	U	36.5	180	ug/Kg
87-86-5	Pentachlorophenol	55.1	UQ	55.1	350	ug/Kg
85-01-8	Phenanthrene	22.4	U	22.4	180	ug/Kg
120-12-7	Anthracene	35.7	U	35.7	180	ug/Kg
86-74-8	Carbazole	33.5	U	33.5	180	ug/Kg
84-74-2	Di-n-butylphthalate	51.4	U	51.4	180	ug/Kg
206-44-0	Fluoranthene	32.2	U	32.2	180	ug/Kg
129-00-0	Pyrene	38.6	U	38.6	180	ug/Kg
85-68-7	Butylbenzylphthalate	76.7	UQ	76.7	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.4	U	39.4	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.7	U	24.7	180	ug/Kg
218-01-9	Chrysene	21.4	U	21.4	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63.6	U	63.6	180	ug/Kg
117-84-0	Di-n-octyl phthalate	93.2	U	93.2	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.4	U	20.4	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8	SDG No.:	Q2651
Lab Sample ID:	Q2651-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.9
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
BF143175.D	1	07/21/25 09:30	07/21/25 16:58	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.0	U	24.0	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.7	U	31.7	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.2	U	31.2	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.4	U	29.4	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.6	U	27.6	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.5	U	27.5	180	ug/Kg
123-91-1	1,4-Dioxane	48.5	U	48.5	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.4	U	29.4	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	59.2		18 - 112	39%	SPK: 150
13127-88-3	Phenol-d6	59.0		15 - 107	39%	SPK: 150
4165-60-0	Nitrobenzene-d5	40.8		18 - 107	41%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.4		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	54.2		10 - 116	36%	SPK: 150
1718-51-0	Terphenyl-d14	35.3		10 - 105	35%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	134000	6.963
1146-65-2	Naphthalene-d8	476000	8.24
15067-26-2	Acenaphthene-d10	209000	9.998
1517-22-2	Phenanthrene-d10	294000	11.48
1719-03-5	Chrysene-d12	252000	14.121
1520-96-3	Perylene-d12	168000	15.627

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	780	J	2.29	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB	5.19	ug/Kg
000119-61-9	Benzophenone	120	J	10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	460	J	12.0	ug/Kg
000057-11-4	Octadecanoic acid	100	J	12.8	ug/Kg
074685-33-9	3-Eicosene, (E)-	220	J	14.0	ug/Kg
000791-28-6	Triphenylphosphine oxide	78.7	J	14.2	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25
Project:	Leon Avenue		Date Received:	07/18/25
Client Sample ID:	MH 9-8		SDG No.:	Q2651
Lab Sample ID:	Q2651-05		Matrix:	SOIL
Analytical Method:	8270E		% Solid:	92.9
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
BF143175.D	1	07/21/25 09:30	07/21/25 16:58	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000111-02-4	Squalene	230	J		15.0	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

LAB CHRONICLE

OrderID: Q2651
Client: Earth Engineering Inc.
Contact: Frank Dougherty, LSRP

OrderDate: 7/18/2025 2:29:11 PM
Project: Leon Avenue
Location: O22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2651-01	MH 2-1	SOIL	SVOC-TCL BNA -20	8270E	07/17/25	07/21/25	07/21/25	07/18/25
Q2651-02	MH 6-5	SOIL	SVOC-TCL BNA -20	8270E	07/17/25	07/21/25	07/21/25	07/18/25
Q2651-03	MH 7-6	SOIL	SVOC-TCL BNA -20	8270E	07/17/25	07/21/25	07/21/25	07/18/25
Q2651-04	MH 8-7	SOIL	SVOC-TCL BNA -20	8270E	07/17/25	07/21/25	07/21/25	07/18/25
Q2651-05	MH 9-8	SOIL	SVOC-TCL BNA -20	8270E	07/17/25	07/21/25	07/21/25	07/18/25

Hit Summary Sheet
SW-846

SDG No.: Q2651

Order ID: Q2651

Client: Earth Engineering Inc.

Project ID: Leon Avenue

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MH 2-1								
Q2651-01	MH 2-1	SOIL	4,4-DDE	0.37	J	0.15	1.80	ug/kg
Q2651-01	MH 2-1	SOIL	4,4-DDT	0.18	J	0.15	1.80	ug/kg
Total Concentration:				0.550				
Client ID : MH 6-5								
Q2651-02	MH 6-5	SOIL	4,4-DDE	4.00		0.15	1.80	ug/kg
Q2651-02	MH 6-5	SOIL	4,4-DDD	1.30	J	0.16	1.80	ug/kg
Q2651-02	MH 6-5	SOIL	4,4-DDT	11.5		0.15	1.80	ug/kg
Total Concentration:				16.800				
Client ID : MH 7-6								
Q2651-03	MH 7-6	SOIL	4,4-DDE	5.30		0.15	1.80	ug/kg
Q2651-03	MH 7-6	SOIL	4,4-DDT	3.70		0.15	1.80	ug/kg
Total Concentration:				9.000				
Client ID : MH 8-7								
Q2651-04	MH 8-7	SOIL	4,4-DDE	13.0		0.15	1.80	ug/kg
Q2651-04	MH 8-7	SOIL	4,4-DDD	5.20		0.16	1.80	ug/kg
Q2651-04	MH 8-7	SOIL	4,4-DDT	12.7		0.15	1.80	ug/kg
Total Concentration:				30.900				
Client ID : MH 9-8								
Q2651-05	MH 9-8	SOIL	4,4-DDE	0.85	J	0.15	1.80	ug/kg
Q2651-05	MH 9-8	SOIL	4,4-DDT	0.52	J	0.15	1.80	ug/kg
Total Concentration:				1.370				



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 2-1		SDG No.:	Q2651	
Lab Sample ID:	Q2651-01		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	94.5	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
PL096487.D	1	07/21/25 08:30	07/21/25 14:32	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.41	U	0.41	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.37	J	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.18	J	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	34.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.1		20 - 144	81%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.6		19 - 148	73%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 2-1		SDG No.:	Q2651	
Lab Sample ID:	Q2651-01		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	94.5	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
PL096487.D	1	07/21/25 08:30	07/21/25 14:32	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

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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

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 6-5		SDG No.:	Q2651	
Lab Sample ID:	Q2651-02		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	93.8	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
PL096488.D	1	07/21/25 08:30	07/21/25 14:46	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.41	U	0.41	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	4.00		0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	1.30	J	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	11.5		0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	35.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.4		20 - 144	62%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.4		19 - 148	72%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 6-5		SDG No.:	Q2651	
Lab Sample ID:	Q2651-02		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	93.8	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
PL096488.D	1	07/21/25 08:30	07/21/25 14:46	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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N = Presumptive Evidence of a Compound

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 7-6		SDG No.:	Q2651	
Lab Sample ID:	Q2651-03		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	93.9	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
PL096489.D	1	07/21/25 08:30	07/21/25 15:00	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.42	U	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	5.30		0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	3.70		0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	35.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.2		20 - 144	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.9		19 - 148	119%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 7-6		SDG No.:	Q2651	
Lab Sample ID:	Q2651-03		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	93.9	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
PL096489.D	1	07/21/25 08:30	07/21/25 15:00	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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() = Laboratory InHouse Limit

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 8-7		SDG No.:	Q2651	
Lab Sample ID:	Q2651-04		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	94.6	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
PL096490.D	1	07/21/25 08:30	07/21/25 15:13	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.41	U	0.41	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	13.0		0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	5.20		0.16	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		0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	34.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.9		20 - 144	85%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.0		19 - 148	110%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 8-7		SDG No.:	Q2651	
Lab Sample ID:	Q2651-04		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	94.6	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
PL096490.D	1	07/21/25 08:30	07/21/25 15:13	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 9-8		SDG No.:	Q2651	
Lab Sample ID:	Q2651-05		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	92.9	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
PL096491.D	1	07/21/25 08:30	07/21/25 15:27	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	0.19	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	0.42	U	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.80	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.20	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.85	J	0.15	1.80	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.16	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.52	J	0.15	1.80	ug/kg
72-43-5	Methoxychlor	0.40	U	0.40	1.80	ug/kg
53494-70-5	Endrin ketone	0.20	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.16	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	35.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.0		20 - 144	65%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.9		19 - 148	79%	SPK: 20

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 9-8		SDG No.:	Q2651	
Lab Sample ID:	Q2651-05		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	92.9	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
PL096491.D	1	07/21/25 08:30	07/21/25 15:27	PB168928

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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LAB CHRONICLE

OrderID: Q2651
Client: Earth Engineering Inc.
Contact: Frank Dougherty, LSRP

OrderDate: 7/18/2025 2:29:11 PM
Project: Leon Avenue
Location: O22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2651-01	MH 2-1	SOIL	Pesticide-TCL	8081B	07/17/25	07/21/25	07/21/25	07/18/25
Q2651-02	MH 6-5	SOIL	Pesticide-TCL	8081B	07/17/25	07/21/25	07/21/25	07/18/25
Q2651-03	MH 7-6	SOIL	Pesticide-TCL	8081B	07/17/25	07/21/25	07/21/25	07/18/25
Q2651-04	MH 8-7	SOIL	Pesticide-TCL	8081B	07/17/25	07/21/25	07/21/25	07/18/25
Q2651-05	MH 9-8	SOIL	Pesticide-TCL	8081B	07/17/25	07/21/25	07/21/25	07/18/25



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

Hit Summary Sheet
SW-846

SDG No.:

Q2651

Order ID:

Q2651

Client:

Earth Engineering Inc.

Project ID:

Leon Avenue

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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Client ID :

Total Concentration: 0.000

A
B
C
D



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 2-1		SDG No.:	Q2651	
Lab Sample ID:	Q2651-01		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	94.5	Decanted:
Sample Wt/Vol:	30.08	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
PQ070603.D	1	07/22/25 09:40	07/23/25 19:27	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	17.9	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	17.9	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	17.9	ug/kg
53469-21-9	Aroclor-1242	4.20	U	4.20	17.9	ug/kg
12672-29-6	Aroclor-1248	6.20	U	6.20	17.9	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	17.9	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	17.9	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	17.9	ug/kg
11096-82-5	Aroclor-1260	3.40	U	3.40	17.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.2		32 - 144	111%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		32 - 175	108%	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

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 6-5		SDG No.:	Q2651	
Lab Sample ID:	Q2651-02		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	93.8	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
PQ070604.D	1	07/22/25 09:40	07/23/25 19:41	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	18.1	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.1	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.1	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.1	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.1	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.1	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	18.1	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.1	ug/kg
11096-82-5	Aroclor-1260	3.40	U	3.40	18.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.7		32 - 144	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.8		32 - 175	79%	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

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 7-6		SDG No.:	Q2651	
Lab Sample ID:	Q2651-03		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	93.9	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
PQ070605.D	1	07/22/25 09:40	07/23/25 19:56	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	18.1	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.1	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.1	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.1	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.1	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.1	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	18.1	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.1	ug/kg
11096-82-5	Aroclor-1260	3.40	U	3.40	18.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.7		32 - 144	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		32 - 175	98%	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

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 8-7		SDG No.:	Q2651	
Lab Sample ID:	Q2651-04		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	94.6	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
PQ070606.D	1	07/22/25 09:40	07/23/25 20:11	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	18.0	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.0	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	18.0	ug/kg
53469-21-9	Aroclor-1242	4.20	U	4.20	18.0	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.0	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.0	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	18.0	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.0	ug/kg
11096-82-5	Aroclor-1260	3.40	U	3.40	18.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		32 - 144	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.9		32 - 175	90%	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

Report of Analysis

Client:	Earth Engineering Inc.		Date Collected:	07/17/25	
Project:	Leon Avenue		Date Received:	07/18/25	
Client Sample ID:	MH 9-8		SDG No.:	Q2651	
Lab Sample ID:	Q2651-05		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	92.9	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
PQ070607.D	1	07/22/25 09:40	07/23/25 20:25	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	18.3	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.3	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.3	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.3	ug/kg
12672-29-6	Aroclor-1248	6.40	U	6.40	18.3	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.3	ug/kg
37324-23-5	Aroclor-1262	5.40	U	5.40	18.3	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	18.3	ug/kg
11096-82-5	Aroclor-1260	3.50	U	3.50	18.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.3		32 - 144	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.8		32 - 175	84%	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

LAB CHRONICLE

OrderID:	Q2651	OrderDate:	7/18/2025 2:29:11 PM
Client:	Earth Engineering Inc.	Project:	Leon Avenue
Contact:	Frank Dougherty, LSRP	Location:	O22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2651-01	MH 2-1	SOIL			07/17/25			07/18/25
			PCB	8082A		07/22/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
			EPH_NF	NJEPH		07/21/25	07/21/25	
Q2651-02	MH 6-5	SOIL			07/17/25			07/18/25
			PCB	8082A		07/22/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
			EPH_NF	NJEPH		07/21/25	07/22/25	
Q2651-03	MH 7-6	SOIL			07/17/25			07/18/25
			PCB	8082A		07/22/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
			EPH_NF	NJEPH		07/21/25	07/21/25	
Q2651-04	MH 8-7	SOIL			07/17/25			07/18/25
			PCB	8082A		07/22/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
			EPH_NF	NJEPH		07/21/25	07/21/25	
Q2651-05	MH 9-8	SOIL			07/17/25			07/18/25
			PCB	8082A		07/22/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
			EPH_NF	NJEPH		07/21/25	07/22/25	



SAMPLE DATA

A

B

C

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.5
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/21/25 09:00	07/21/25 17:34	PB168930

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.7		1	1.24	2.11	mg/kg	FE054945.D
Aliphatic C9-C28	Aliphatic C9-C28	4.89		1	0.96	4.23	mg/kg	FE054945.D
Total AliphaticEPH	Total AliphaticEPH	16.6			2.20	6.34	mg/kg	
Total EPH	Total EPH	16.6			2.20	6.34	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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.5
Sample Wt/Vol:	30.09 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
FE054945.D	1	07/21/25	07/21/25	PB168930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.89		0.96	4.23	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.7		1.24	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.9		40 - 140	46%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.6		40 - 140	45%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2651-01	Acq On:	21 Jul 2025 17:34
Client Sample ID:	MH 2-1	Operator:	YP\AJ
Data file:	FE054945.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	3.330	6.963	3080565	22.642	300	ug/ml
Aliphatic C12-C16	6.964	10.415	1434704	10.206	200	ug/ml
Aliphatic C16-C21	10.416	13.793	1273485	8.82	300	ug/ml
Aliphatic C21-C28	13.794	17.463	4023636	27.816	400	ug/ml
Aliphatic C28-C40	17.464	22.490	23108376	166.67	600	ug/ml
Aliphatic EPH	3.330	22.490	32920766	236.154		ug/ml
ortho-Terphenyl (SURR)	12.089	12.089	3662606	22.55		ug/ml
1-chlorooctadecane (SURR)	13.525	13.525	2886154	22.85		ug/ml
Aliphatic C9-C28	3.330	17.463	9812390	69.484	1200	ug/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 6-5	SDG No.:	Q2651
Lab Sample ID:	Q2651-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.8
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
07/21/25 09:00	07/22/25 9:24	PB168930

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	17.8		1	1.26	2.13	mg/kg	FE054955.D
Aliphatic C9-C28	Aliphatic C9-C28	2.13	J	1	0.97	4.25	mg/kg	FE054955.D
Total AliphaticEPH	Total AliphaticEPH	19.9			2.23	6.38	mg/kg	
Total EPH	Total EPH	19.9			2.23	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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 6-5	SDG No.:	Q2651
Lab Sample ID:	Q2651-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.8
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
FE054955.D	1	07/21/25	07/22/25	PB168930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.13	J	0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.8		1.26	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.0		40 - 140	46%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.0		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2651-02	Acq On:	22 Jul 2025 09:24
Client Sample ID:	MH 6-5	Operator:	YP\AJ
Data file:	FE054955.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.960	363690	2.673	300	ug/ml
Aliphatic C12-C16	6.961	10.412	864727	6.152	200	ug/ml
Aliphatic C16-C21	10.413	13.791	1243564	8.612	300	ug/ml
Aliphatic C21-C28	13.792	17.461	1816024	12.554	400	ug/ml
Aliphatic C28-C40	17.462	22.488	34816053	251.112	600	ug/ml
Aliphatic EPH	3.325	22.488	39104058	281.104		ug/ml
ortho-Terphenyl (SURR)	12.093	12.093	4222881	26		ug/ml
1-chlorooctadecane (SURR)	13.528	13.528	2900289	22.96		ug/ml
Aliphatic C9-C28	3.325	17.461	4288005	29.991	1200	ug/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 7-6	SDG No.:	Q2651
Lab Sample ID:	Q2651-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
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
07/21/25 09:00	07/21/25 18:35	PB168930

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	12.9		1	1.26	2.13	mg/kg	FE054947.D
Aliphatic C9-C28	Aliphatic C9-C28	2.03	J	1	0.97	4.25	mg/kg	FE054947.D
Total AliphaticEPH	Total AliphaticEPH	14.9			2.23	6.38	mg/kg	
Total EPH	Total EPH	14.9			2.23	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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 7-6	SDG No.:	Q2651
Lab Sample ID:	Q2651-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
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
FE054947.D	1	07/21/25	07/21/25	PB168930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.03	J	0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.9		1.26	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.7		40 - 140	49%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.2		40 - 140	48%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2651-03	Acq On:	21 Jul 2025 18:35
Client Sample ID:	MH 7-6	Operator:	YP\AJ
Data file:	FE054947.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	3.330	6.963	428669	3.151	300	ug/ml
Aliphatic C12-C16	6.964	10.415	661265	4.704	200	ug/ml
Aliphatic C16-C21	10.416	13.793	1394328	9.656	300	ug/ml
Aliphatic C21-C28	13.794	17.463	1611743	11.142	400	ug/ml
Aliphatic C28-C40	17.464	22.490	25232049	181.987	600	ug/ml
Aliphatic EPH	3.330	22.490	29328054	210.641		ug/ml
ortho-Terphenyl (SURR)	12.089	12.089	3934789	24.23		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	3115524	24.67		ug/ml
Aliphatic C9-C28	3.330	17.463	4096005	28.653	1200	ug/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.6
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
07/21/25 09:00	07/21/25 19:05	PB168930

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.5		1	1.24	2.11	mg/kg	FE054948.D
Aliphatic C9-C28	Aliphatic C9-C28	0.98	J	1	0.96	4.21	mg/kg	FE054948.D
Total AliphaticEPH	Total AliphaticEPH	12.5			2.20	6.32	mg/kg	
Total EPH	Total EPH	12.5			2.20	6.32	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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.6
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
FE054948.D	1	07/21/25	07/21/25	PB168930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.98	J	0.96	4.21	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.5		1.24	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	20.0		40 - 140	40%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.0		40 - 140	40%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2651-04	Acq On:	21 Jul 2025 19:05
Client Sample ID:	MH 8-7	Operator:	YP\AJ
Data file:	FE054948.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	3.330	6.963	462456	3.399	300	ug/ml
Aliphatic C12-C16	6.964	10.415	568400	4.044	200	ug/ml
Aliphatic C16-C21	10.416	13.793	934363	6.471	300	ug/ml
Aliphatic C21-C28	13.794	17.463	1089068	7.529	400	ug/ml
Aliphatic C28-C40	17.464	22.490	22597503	162.985	600	ug/ml
Aliphatic EPH	3.330	22.490	25651790	184.428		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	3254229	20.04		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	2528230	20.02		ug/ml
Aliphatic C9-C28	3.330	17.463	3054287	21.443	1200	ug/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8	SDG No.:	Q2651
Lab Sample ID:	Q2651-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.9
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
07/21/25 09:00	07/22/25 9:54	PB168930

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	25.2		1	1.27	2.15	mg/kg	FE054956.D
Aliphatic C9-C28	Aliphatic C9-C28	2.24	J	1	0.98	4.29	mg/kg	FE054956.D
Total AliphaticEPH	Total AliphaticEPH	27.4			2.25	6.44	mg/kg	
Total EPH	Total EPH	27.4			2.25	6.44	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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8	SDG No.:	Q2651
Lab Sample ID:	Q2651-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.9
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
FE054956.D	1	07/21/25	07/22/25	PB168930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.24	J	0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.2		1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.8		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.9		40 - 140	70%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2651-05	Acq On:	22 Jul 2025 09:54
Client Sample ID:	MH 9-8	Operator:	YP\AJ
Data file:	FE054956.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.960	415192	3.052	300	ug/ml
Aliphatic C12-C16	6.961	10.412	723703	5.148	200	ug/ml
Aliphatic C16-C21	10.413	13.791	1286154	8.907	300	ug/ml
Aliphatic C21-C28	13.792	17.461	2058108	14.228	400	ug/ml
Aliphatic C28-C40	17.462	22.488	48861337	352.414	600	ug/ml
Aliphatic EPH	3.325	22.488	53344494	383.75		ug/ml
ortho-Terphenyl (SURR)	12.090	12.090	5674282	34.94		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	4640870	36.75		ug/ml
Aliphatic C9-C28	3.325	17.461	4483157	31.335	1200	ug/ml

LAB CHRONICLE

OrderID:	Q2651	OrderDate:	7/18/2025 2:29:11 PM
Client:	Earth Engineering Inc.	Project:	Leon Avenue
Contact:	Frank Dougherty, LSRP	Location:	O22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2651-01	MH 2-1	SOIL			07/17/25			07/18/25
			PCB	8082A		07/22/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
			EPH_NF	NJEPH		07/21/25	07/21/25	
Q2651-02	MH 6-5	SOIL			07/17/25			07/18/25
			PCB	8082A		07/22/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
			EPH_NF	NJEPH		07/21/25	07/22/25	
Q2651-03	MH 7-6	SOIL			07/17/25			07/18/25
			PCB	8082A		07/22/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
			EPH_NF	NJEPH		07/21/25	07/21/25	
Q2651-04	MH 8-7	SOIL			07/17/25			07/18/25
			PCB	8082A		07/22/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
			EPH_NF	NJEPH		07/21/25	07/21/25	
Q2651-05	MH 9-8	SOIL			07/17/25			07/18/25
			PCB	8082A		07/22/25	07/23/25	
			Pesticide-TCL	8081B		07/21/25	07/21/25	
			EPH_NF	NJEPH		07/21/25	07/22/25	

Hit Summary Sheet SW-846

SDG No.: Q2651 **Order ID:** Q2651
Client: Earth Engineering Inc. **Project ID:** Leon Avenue

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MH 2-1								
Q2651-01	MH 2-1	SOIL	Aluminum	3040		0.79	4.68	mg/Kg
Q2651-01	MH 2-1	SOIL	Arsenic	3.16		0.18	0.94	mg/Kg
Q2651-01	MH 2-1	SOIL	Barium	13.7		0.68	4.68	mg/Kg
Q2651-01	MH 2-1	SOIL	Beryllium	0.31		0.023	0.28	mg/Kg
Q2651-01	MH 2-1	SOIL	Calcium	817		10.4	93.6	mg/Kg
Q2651-01	MH 2-1	SOIL	Chromium	9.31		0.044	0.47	mg/Kg
Q2651-01	MH 2-1	SOIL	Cobalt	2.95		0.094	1.40	mg/Kg
Q2651-01	MH 2-1	SOIL	Copper	11.4		0.21	0.94	mg/Kg
Q2651-01	MH 2-1	SOIL	Iron	8440		3.74	4.68	mg/Kg
Q2651-01	MH 2-1	SOIL	Lead	3.53		0.12	0.56	mg/Kg
Q2651-01	MH 2-1	SOIL	Magnesium	878		11.2	93.6	mg/Kg
Q2651-01	MH 2-1	SOIL	Manganese	62.5		0.13	0.94	mg/Kg
Q2651-01	MH 2-1	SOIL	Mercury	0.015		0.0070	0.013	mg/Kg
Q2651-01	MH 2-1	SOIL	Nickel	4.33		0.12	1.87	mg/Kg
Q2651-01	MH 2-1	SOIL	Potassium	239		25.9	93.6	mg/Kg
Q2651-01	MH 2-1	SOIL	Silver	0.29	J	0.11	0.47	mg/Kg
Q2651-01	MH 2-1	SOIL	Sodium	73.5	J	16.7	93.6	mg/Kg
Q2651-01	MH 2-1	SOIL	Thallium	0.24	J	0.22	1.87	mg/Kg
Q2651-01	MH 2-1	SOIL	Vanadium	11.8		0.23	1.87	mg/Kg
Q2651-01	MH 2-1	SOIL	Zinc	14.2		0.22	1.87	mg/Kg
Client ID : MH 6-5								
Q2651-02	MH 6-5	SOIL	Aluminum	6670		0.73	4.37	mg/Kg
Q2651-02	MH 6-5	SOIL	Arsenic	2.83		0.17	0.87	mg/Kg
Q2651-02	MH 6-5	SOIL	Barium	19.7		0.64	4.37	mg/Kg
Q2651-02	MH 6-5	SOIL	Beryllium	0.34		0.022	0.26	mg/Kg
Q2651-02	MH 6-5	SOIL	Calcium	1480		9.70	87.4	mg/Kg
Q2651-02	MH 6-5	SOIL	Chromium	16.1		0.041	0.44	mg/Kg
Q2651-02	MH 6-5	SOIL	Cobalt	4.18		0.087	1.31	mg/Kg
Q2651-02	MH 6-5	SOIL	Copper	16.9		0.19	0.87	mg/Kg
Q2651-02	MH 6-5	SOIL	Iron	9690		3.49	4.37	mg/Kg
Q2651-02	MH 6-5	SOIL	Lead	4.85		0.11	0.52	mg/Kg
Q2651-02	MH 6-5	SOIL	Magnesium	1230		10.5	87.4	mg/Kg
Q2651-02	MH 6-5	SOIL	Manganese	82.7		0.12	0.87	mg/Kg
Q2651-02	MH 6-5	SOIL	Mercury	0.014		0.0070	0.013	mg/Kg
Q2651-02	MH 6-5	SOIL	Nickel	7.93		0.11	1.75	mg/Kg
Q2651-02	MH 6-5	SOIL	Potassium	417		24.2	87.4	mg/Kg
Q2651-02	MH 6-5	SOIL	Silver	0.34	J	0.11	0.44	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2651

Order ID: Q2651

Client: Earth Engineering Inc.

Project ID: Leon Avenue

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2651-02	MH 6-5	SOIL	Sodium	26.0	J	15.6	87.4	mg/Kg
Q2651-02	MH 6-5	SOIL	Thallium	0.29	J	0.20	1.75	mg/Kg
Q2651-02	MH 6-5	SOIL	Vanadium	16.5		0.22	1.75	mg/Kg
Q2651-02	MH 6-5	SOIL	Zinc	19.0		0.20	1.75	mg/Kg

Client ID : MH 7-6

Q2651-03	MH 7-6	SOIL	Aluminum	6020		0.84	5.02	mg/Kg
Q2651-03	MH 7-6	SOIL	Arsenic	3.40		0.19	1.00	mg/Kg
Q2651-03	MH 7-6	SOIL	Barium	18.5		0.73	5.02	mg/Kg
Q2651-03	MH 7-6	SOIL	Beryllium	0.33		0.025	0.30	mg/Kg
Q2651-03	MH 7-6	SOIL	Calcium	333		11.2	100	mg/Kg
Q2651-03	MH 7-6	SOIL	Chromium	16.2		0.047	0.50	mg/Kg
Q2651-03	MH 7-6	SOIL	Cobalt	4.43		0.10	1.51	mg/Kg
Q2651-03	MH 7-6	SOIL	Copper	15.6		0.22	1.00	mg/Kg
Q2651-03	MH 7-6	SOIL	Iron	9530		4.01	5.02	mg/Kg
Q2651-03	MH 7-6	SOIL	Lead	5.10		0.13	0.60	mg/Kg
Q2651-03	MH 7-6	SOIL	Magnesium	875		12.1	100	mg/Kg
Q2651-03	MH 7-6	SOIL	Manganese	93.7		0.14	1.00	mg/Kg
Q2651-03	MH 7-6	SOIL	Mercury	0.0080	J	0.0080	0.014	mg/Kg
Q2651-03	MH 7-6	SOIL	Nickel	7.11		0.13	2.01	mg/Kg
Q2651-03	MH 7-6	SOIL	Potassium	394		27.8	100	mg/Kg
Q2651-03	MH 7-6	SOIL	Silver	0.34	J	0.12	0.50	mg/Kg
Q2651-03	MH 7-6	SOIL	Sodium	127		17.9	100	mg/Kg
Q2651-03	MH 7-6	SOIL	Thallium	0.29	J	0.23	2.01	mg/Kg
Q2651-03	MH 7-6	SOIL	Vanadium	13.1		0.25	2.01	mg/Kg
Q2651-03	MH 7-6	SOIL	Zinc	20.0		0.23	2.01	mg/Kg

Client ID : MH 8-7

Q2651-04	MH 8-7	SOIL	Aluminum	5750		0.79	4.72	mg/Kg
Q2651-04	MH 8-7	SOIL	Arsenic	2.81		0.18	0.94	mg/Kg
Q2651-04	MH 8-7	SOIL	Barium	18.3		0.69	4.72	mg/Kg
Q2651-04	MH 8-7	SOIL	Beryllium	0.27	J	0.024	0.28	mg/Kg
Q2651-04	MH 8-7	SOIL	Calcium	472		10.5	94.4	mg/Kg
Q2651-04	MH 8-7	SOIL	Chromium	14.4		0.044	0.47	mg/Kg
Q2651-04	MH 8-7	SOIL	Cobalt	3.28		0.094	1.42	mg/Kg
Q2651-04	MH 8-7	SOIL	Copper	13.7		0.21	0.94	mg/Kg
Q2651-04	MH 8-7	SOIL	Iron	7800		3.77	4.72	mg/Kg
Q2651-04	MH 8-7	SOIL	Lead	5.39		0.12	0.57	mg/Kg
Q2651-04	MH 8-7	SOIL	Magnesium	797		11.3	94.4	mg/Kg
Q2651-04	MH 8-7	SOIL	Manganese	75.8		0.13	0.94	mg/Kg
Q2651-04	MH 8-7	SOIL	Mercury	0.021		0.0070	0.012	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2651

Order ID: Q2651

Client: Earth Engineering Inc.

Project ID: Leon Avenue

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2651-04	MH 8-7	SOIL	Nickel	6.27		0.12	1.89	mg/Kg
Q2651-04	MH 8-7	SOIL	Potassium	380		26.1	94.4	mg/Kg
Q2651-04	MH 8-7	SOIL	Silver	0.26	J	0.11	0.47	mg/Kg
Q2651-04	MH 8-7	SOIL	Sodium	36.6	J	16.8	94.4	mg/Kg
Q2651-04	MH 8-7	SOIL	Thallium	0.31	J	0.22	1.89	mg/Kg
Q2651-04	MH 8-7	SOIL	Vanadium	10.9		0.24	1.89	mg/Kg
Q2651-04	MH 8-7	SOIL	Zinc	16.6		0.22	1.89	mg/Kg
Client ID : MH 9-8								
Q2651-05	MH 9-8	SOIL	Aluminum	5730		0.85	5.05	mg/Kg
Q2651-05	MH 9-8	SOIL	Arsenic	3.62		0.19	1.01	mg/Kg
Q2651-05	MH 9-8	SOIL	Barium	17.4		0.74	5.05	mg/Kg
Q2651-05	MH 9-8	SOIL	Beryllium	0.38		0.025	0.30	mg/Kg
Q2651-05	MH 9-8	SOIL	Calcium	462		11.2	101	mg/Kg
Q2651-05	MH 9-8	SOIL	Chromium	12.2		0.048	0.51	mg/Kg
Q2651-05	MH 9-8	SOIL	Cobalt	4.03		0.10	1.52	mg/Kg
Q2651-05	MH 9-8	SOIL	Copper	16.8		0.22	1.01	mg/Kg
Q2651-05	MH 9-8	SOIL	Iron	10200		4.03	5.05	mg/Kg
Q2651-05	MH 9-8	SOIL	Lead	5.40		0.13	0.61	mg/Kg
Q2651-05	MH 9-8	SOIL	Magnesium	733		12.1	101	mg/Kg
Q2651-05	MH 9-8	SOIL	Manganese	70.8		0.14	1.01	mg/Kg
Q2651-05	MH 9-8	SOIL	Mercury	0.015		0.0070	0.013	mg/Kg
Q2651-05	MH 9-8	SOIL	Nickel	6.84		0.13	2.02	mg/Kg
Q2651-05	MH 9-8	SOIL	Potassium	353		28.0	101	mg/Kg
Q2651-05	MH 9-8	SOIL	Silver	0.35	J	0.12	0.51	mg/Kg
Q2651-05	MH 9-8	SOIL	Sodium	234		18.0	101	mg/Kg
Q2651-05	MH 9-8	SOIL	Vanadium	16.0		0.25	2.02	mg/Kg
Q2651-05	MH 9-8	SOIL	Zinc	18.0		0.23	2.02	mg/Kg



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	94.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3040		1	0.79	4.68	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.34	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7440-38-2	Arsenic	3.16		1	0.18	0.94	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7440-39-3	Barium	13.7		1	0.68	4.68	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7440-41-7	Beryllium	0.31		1	0.023	0.28	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7440-43-9	Cadmium	0.022	U	1	0.022	0.28	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7440-70-2	Calcium	817	*	1	10.4	93.6	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7440-47-3	Chromium	9.31		1	0.044	0.47	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7440-48-4	Cobalt	2.95		1	0.094	1.40	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7440-50-8	Copper	11.4		1	0.21	0.94	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7439-89-6	Iron	8440		1	3.74	4.68	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7439-92-1	Lead	3.53		1	0.12	0.56	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7439-95-4	Magnesium	878	*	1	11.2	93.6	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7439-96-5	Manganese	62.5		1	0.13	0.94	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7439-97-6	Mercury	0.015		1	0.0070	0.013	mg/Kg	07/18/25 15:50	07/21/25 12:49	7471B	
7440-02-0	Nickel	4.33		1	0.12	1.87	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7440-09-7	Potassium	239		1	25.9	93.6	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7782-49-2	Selenium	0.24	U	1	0.24	0.94	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7440-22-4	Silver	0.29	J	1	0.11	0.47	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7440-23-5	Sodium	73.5	J	1	16.7	93.6	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7440-28-0	Thallium	0.24	J	1	0.22	1.87	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7440-62-2	Vanadium	11.8		1	0.23	1.87	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050
7440-66-6	Zinc	14.2	N	1	0.22	1.87	mg/Kg	07/21/25 10:05	07/22/25 18:30	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 6-5	SDG No.:	Q2651
Lab Sample ID:	Q2651-02	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	6670		1	0.73	4.37	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7440-36-0	Antimony	0.19	UN	1	0.19	2.18	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7440-38-2	Arsenic	2.83		1	0.17	0.87	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7440-39-3	Barium	19.7		1	0.64	4.37	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7440-41-7	Beryllium	0.34		1	0.022	0.26	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7440-43-9	Cadmium	0.021	U	1	0.021	0.26	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7440-70-2	Calcium	1480	*	1	9.70	87.4	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7440-47-3	Chromium	16.1		1	0.041	0.44	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7440-48-4	Cobalt	4.18		1	0.087	1.31	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7440-50-8	Copper	16.9		1	0.19	0.87	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7439-89-6	Iron	9690		1	3.49	4.37	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7439-92-1	Lead	4.85		1	0.11	0.52	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7439-95-4	Magnesium	1230	*	1	10.5	87.4	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7439-96-5	Manganese	82.7		1	0.12	0.87	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7439-97-6	Mercury	0.014		1	0.0070	0.013	mg/Kg	07/18/25 15:50	07/21/25 12:51	7471B	
7440-02-0	Nickel	7.93		1	0.11	1.75	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7440-09-7	Potassium	417		1	24.2	87.4	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7782-49-2	Selenium	0.23	U	1	0.23	0.87	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7440-22-4	Silver	0.34	J	1	0.11	0.44	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7440-23-5	Sodium	26.0	J	1	15.6	87.4	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7440-28-0	Thallium	0.29	J	1	0.20	1.75	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7440-62-2	Vanadium	16.5		1	0.22	1.75	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050
7440-66-6	Zinc	19.0	N	1	0.20	1.75	mg/Kg	07/21/25 10:05	07/22/25 19:03	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 7-6	SDG No.:	Q2651
Lab Sample ID:	Q2651-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6020		1	0.84	5.02	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.51	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7440-38-2	Arsenic	3.40		1	0.19	1.00	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7440-39-3	Barium	18.5		1	0.73	5.02	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7440-41-7	Beryllium	0.33		1	0.025	0.30	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7440-70-2	Calcium	333	*	1	11.2	100	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7440-47-3	Chromium	16.2		1	0.047	0.50	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7440-48-4	Cobalt	4.43		1	0.10	1.51	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7440-50-8	Copper	15.6		1	0.22	1.00	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7439-89-6	Iron	9530		1	4.01	5.02	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7439-92-1	Lead	5.10		1	0.13	0.60	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7439-95-4	Magnesium	875	*	1	12.1	100	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7439-96-5	Manganese	93.7		1	0.14	1.00	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7439-97-6	Mercury	0.0080	J	1	0.0080	0.014	mg/Kg	07/18/25 15:50	07/21/25 12:54	7471B	
7440-02-0	Nickel	7.11		1	0.13	2.01	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7440-09-7	Potassium	394		1	27.8	100	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7782-49-2	Selenium	0.26	U	1	0.26	1.00	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7440-22-4	Silver	0.34	J	1	0.12	0.50	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7440-23-5	Sodium	127		1	17.9	100	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7440-28-0	Thallium	0.29	J	1	0.23	2.01	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7440-62-2	Vanadium	13.1		1	0.25	2.01	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050
7440-66-6	Zinc	20.0	N	1	0.23	2.01	mg/Kg	07/21/25 10:05	07/22/25 19:07	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	94.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5750		1	0.79	4.72	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7440-36-0	Antimony	0.21	UN	1	0.21	2.36	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7440-38-2	Arsenic	2.81		1	0.18	0.94	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7440-39-3	Barium	18.3		1	0.69	4.72	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7440-41-7	Beryllium	0.27	J	1	0.024	0.28	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7440-43-9	Cadmium	0.023	U	1	0.023	0.28	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7440-70-2	Calcium	472	*	1	10.5	94.4	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7440-47-3	Chromium	14.4		1	0.044	0.47	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7440-48-4	Cobalt	3.28		1	0.094	1.42	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7440-50-8	Copper	13.7		1	0.21	0.94	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7439-89-6	Iron	7800		1	3.77	4.72	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7439-92-1	Lead	5.39		1	0.12	0.57	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7439-95-4	Magnesium	797	*	1	11.3	94.4	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7439-96-5	Manganese	75.8		1	0.13	0.94	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7439-97-6	Mercury	0.021		1	0.0070	0.012	mg/Kg	07/18/25 15:50	07/21/25 13:00	7471B	
7440-02-0	Nickel	6.27		1	0.12	1.89	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7440-09-7	Potassium	380		1	26.1	94.4	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7782-49-2	Selenium	0.25	U	1	0.25	0.94	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7440-22-4	Silver	0.26	J	1	0.11	0.47	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7440-23-5	Sodium	36.6	J	1	16.8	94.4	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7440-28-0	Thallium	0.31	J	1	0.22	1.89	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7440-62-2	Vanadium	10.9		1	0.24	1.89	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050
7440-66-6	Zinc	16.6	N	1	0.22	1.89	mg/Kg	07/21/25 10:05	07/22/25 19:11	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8	SDG No.:	Q2651
Lab Sample ID:	Q2651-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5730		1	0.85	5.05	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7440-36-0	Antimony	0.22	UN	1	0.22	2.53	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7440-38-2	Arsenic	3.62		1	0.19	1.01	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7440-39-3	Barium	17.4		1	0.74	5.05	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7440-41-7	Beryllium	0.38		1	0.025	0.30	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7440-70-2	Calcium	462	*	1	11.2	101	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7440-47-3	Chromium	12.2		1	0.048	0.51	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7440-48-4	Cobalt	4.03		1	0.10	1.52	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7440-50-8	Copper	16.8		1	0.22	1.01	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7439-89-6	Iron	10200		1	4.03	5.05	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7439-92-1	Lead	5.40		1	0.13	0.61	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7439-95-4	Magnesium	733	*	1	12.1	101	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7439-96-5	Manganese	70.8		1	0.14	1.01	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7439-97-6	Mercury	0.015		1	0.0070	0.013	mg/Kg	07/18/25 15:50	07/21/25 13:03	7471B	
7440-02-0	Nickel	6.84		1	0.13	2.02	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7440-09-7	Potassium	353		1	28.0	101	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7782-49-2	Selenium	0.26	U	1	0.26	1.01	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7440-22-4	Silver	0.35	J	1	0.12	0.51	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7440-23-5	Sodium	234		1	18.0	101	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.02	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7440-62-2	Vanadium	16.0		1	0.25	2.02	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050
7440-66-6	Zinc	18.0	N	1	0.23	2.02	mg/Kg	07/21/25 10:05	07/22/25 19:15	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
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

LAB CHRONICLE

OrderID:	Q2651	OrderDate:	7/18/2025 2:29:11 PM
Client:	Earth Engineering Inc.	Project:	Leon Avenue
Contact:	Frank Dougherty, LSRP	Location:	O22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2651-01	MH 2-1	SOIL			07/17/25			07/18/25
			Mercury	7471B		07/18/25	07/21/25	
			Metals ICP-TAL	6010D		07/21/25	07/22/25	
Q2651-02	MH 6-5	SOIL			07/17/25			07/18/25
			Mercury	7471B		07/18/25	07/21/25	
			Metals ICP-TAL	6010D		07/21/25	07/22/25	
Q2651-03	MH 7-6	SOIL			07/17/25			07/18/25
			Mercury	7471B		07/18/25	07/21/25	
			Metals ICP-TAL	6010D		07/21/25	07/22/25	
Q2651-04	MH 8-7	SOIL			07/17/25			07/18/25
			Mercury	7471B		07/18/25	07/21/25	
			Metals ICP-TAL	6010D		07/21/25	07/22/25	
Q2651-05	MH 9-8	SOIL			07/17/25			07/18/25
			Mercury	7471B		07/18/25	07/21/25	
			Metals ICP-TAL	6010D		07/21/25	07/22/25	



SAMPLE DATA

A

B

C

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25 09:20
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	SOIL
		% Solid:	94.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.044	U	1	0.044	0.26	mg/Kg	07/18/25 15:00	07/21/25 10:48	9012B

Comments:

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25 09:55
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 6-5	SDG No.:	Q2651
Lab Sample ID:	Q2651-02	Matrix:	SOIL
		% Solid:	93.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.043	U	1	0.043	0.26	mg/Kg	07/18/25 15:00	07/21/25 10:49	9012B

Comments:

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25 10:30
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 7-6	SDG No.:	Q2651
Lab Sample ID:	Q2651-03	Matrix:	SOIL
		% Solid:	93.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.044	U	1	0.044	0.26	mg/Kg	07/18/25 15:00	07/21/25 10:49	9012B

Comments: _____

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25 10:50
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	SOIL
		% Solid:	94.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.043	U	1	0.043	0.25	mg/Kg	07/18/25 15:00	07/21/25 10:49	9012B

Comments:

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25 11:30
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8	SDG No.:	Q2651
Lab Sample ID:	Q2651-05	Matrix:	SOIL
		% Solid:	92.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.044	U	1	0.044	0.26	mg/Kg	07/18/25 15:00	07/21/25 10:49	9012B

Comments:

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

LAB CHRONICLE

OrderID:	Q2651	OrderDate:	7/18/2025 2:29:11 PM
Client:	Earth Engineering Inc.	Project:	Leon Avenue
Contact:	Frank Dougherty, LSRP	Location:	O22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2651-01	MH 2-1	SOIL			07/17/25 09:20			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:48	
Q2651-02	MH 6-5	SOIL			07/17/25 09:55			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:49	
Q2651-03	MH 7-6	SOIL			07/17/25 10:30			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:49	
Q2651-04	MH 8-7	SOIL			07/17/25 10:50			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:49	
Q2651-05	MH 9-8	SOIL			07/17/25 11:30			07/18/25
			Cyanide	9012B		07/18/25	07/21/25 10:49	