



SAMPLE DATA

A

B

C

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/07/25
Project:	3313 BAY AVENUE	Date Received:	08/07/25
Client Sample ID:	S-1A	SDG No.:	Q2802
Lab Sample ID:	Q2802-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/08/25 09:37	08/08/25 18:19	PB169177

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	37.8		1	1.30	2.21	mg/kg	FE055217.D
Aliphatic C9-C28	Aliphatic C9-C28	21.7		1	1.00	4.41	mg/kg	FE055217.D
Total AliphaticEPH	Total AliphaticEPH	59.5			2.31	6.62	mg/kg	
Total EPH	Total EPH	59.5			2.31	6.62	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:	08/07/25
Project:	3313 BAY AVENUE	Date Received:	08/07/25
Client Sample ID:	S-1A	SDG No.:	Q2802
Lab Sample ID:	Q2802-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055217.D	1	08/08/25	08/08/25	PB169177

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	21.7		1.00	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	37.8		1.30	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	64.2		40 - 140	128%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	58.8		40 - 140	118%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2802-01	Acq On:	08 Aug 2025 18:19
Client Sample ID:	S-1A	Operator:	YP\AJ
Data file:	FE055217.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.960	681935	5.839	300	ug/ml
Aliphatic C12-C16	6.961	10.413	10411154	83.138	200	ug/ml
Aliphatic C16-C21	10.414	13.792	19024184	150.502	300	ug/ml
Aliphatic C21-C28	13.793	17.464	6684090	55.467	400	ug/ml
Aliphatic C28-C40	17.465	22.492	58500305	513.218	600	ug/ml
Aliphatic EPH	3.325	22.492	95301668	808.165		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	8398930	58.81		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	6907652	64.24		ug/ml
Aliphatic C9-C28	3.325	17.464	36801363	294.946	1200	ug/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/07/25
Project:	3313 BAY AVENUE	Date Received:	08/07/25
Client Sample ID:	S-1B	SDG No.:	Q2802
Lab Sample ID:	Q2802-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/08/25 09:37	08/08/25 18:49	PB169177

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	22.2		1	1.52	2.58	mg/kg FE055218.D
Aliphatic C9-C28	Aliphatic C9-C28	9.07		1	1.18	5.16	mg/kg FE055218.D
Total AliphaticEPH	Total AliphaticEPH	31.3			2.69	7.74	mg/kg
Total EPH	Total EPH	31.3			2.69	7.74	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.

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MDL = Method Detection Limit

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/07/25
Project:	3313 BAY AVENUE	Date Received:	08/07/25
Client Sample ID:	S-1B	SDG No.:	Q2802
Lab Sample ID:	Q2802-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055218.D	1	08/08/25	08/08/25	PB169177

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	9.07		1.18	5.16	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.2		1.52	2.58	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	61.0		40 - 140	122%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	58.5		40 - 140	117%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2802-02	Acq On:	08 Aug 2025 18:49
Client Sample ID:	S-1B	Operator:	YP\AJ
Data file:	FE055218.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.960	432126	3.7	300	ug/ml
Aliphatic C12-C16	6.961	10.413	3149804	25.153	200	ug/ml
Aliphatic C16-C21	10.414	13.792	7120057	56.327	300	ug/ml
Aliphatic C21-C28	13.793	17.464	2425018	20.124	400	ug/ml
Aliphatic C28-C40	17.465	22.492	29332059	257.328	600	ug/ml
Aliphatic EPH	3.325	22.492	42459064	362.632		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	8351756	58.48		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	6562259	61.03		ug/ml
Aliphatic C9-C28	3.325	17.464	13127005	105.304	1200	ug/ml

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/07/25
Project:	3313 BAY AVENUE	Date Received:	08/07/25
Client Sample ID:	S-2	SDG No.:	Q2802
Lab Sample ID:	Q2802-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
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
08/08/25 09:37	08/08/25 19:20	PB169177

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	19.8		1	1.38	2.34	mg/kg	FE055219.D
Aliphatic C9-C28	Aliphatic C9-C28	2.79	J	1	1.06	4.68	mg/kg	FE055219.D
Total AliphaticEPH	Total AliphaticEPH	22.6			2.44	7.02	mg/kg	
Total EPH	Total EPH	22.6			2.44	7.02	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

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/07/25
Project:	3313 BAY AVENUE	Date Received:	08/07/25
Client Sample ID:	S-2	SDG No.:	Q2802
Lab Sample ID:	Q2802-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
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
FE055219.D	1	08/08/25	08/08/25	PB169177

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.79	J	1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.8		1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	50.9		40 - 140	102%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	51.6		40 - 140	103%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2802-03	Acq On:	08 Aug 2025 19:20
Client Sample ID:	S-2	Operator:	YP\AJ
Data file:	FE055219.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.960	531851	4.554	300	ug/ml
Aliphatic C12-C16	6.961	10.413	1219209	9.736	200	ug/ml
Aliphatic C16-C21	10.414	13.792	978011	7.737	300	ug/ml
Aliphatic C21-C28	13.793	17.464	1647398	13.671	400	ug/ml
Aliphatic C28-C40	17.465	22.492	28936902	253.861	600	ug/ml
Aliphatic EPH	3.325	22.492	33313371	289.559		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	7365629	51.58		ug/ml
1-chlorooctadecane (SURR)	13.523	13.523	5467468	50.85		ug/ml
Aliphatic C9-C28	3.325	17.464	4376469	35.698	1200	ug/ml

LAB CHRONICLE

OrderID: Q2802
Client: Earth Engineering Inc.
Contact: Frank Dougherty, LSRP

OrderDate: 8/7/2025 2:38:00 PM
Project: 3313 BAY AVENUE
Location: J13

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2802-01	S-1A	Solid	EPH_NF	NJEPH	08/07/25	08/08/25	08/08/25	08/07/25
Q2802-02	S-1B	Solid	EPH_NF	NJEPH	08/07/25	08/08/25	08/08/25	08/07/25
Q2802-03	S-2	Solid	EPH_NF	NJEPH	08/07/25	08/08/25	08/08/25	08/07/25