

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : NORTH POINT

ENTACT

606 E. Baltimore Pike

Floor 3

Media, PA - 19063

Phone No: 4844440702

ORDER ID : P4518

ATTENTION : Wyatt Seel



Laboratory Certification ID # 20012



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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

1

Laboratory Name : CHEMTECH Client : ENTACT
 Project Location : North Point Project Number : _____
 Laboratory Sample ID(s) : P4518 Sampling Date(s) : 10/23/2024
 List DKQP Methods Used (e.g., 8260,8270, et Cetra) **8015D,NJEPH**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☒ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☒ Yes ☐ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☒ Yes ☐ No ☐ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☒ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☒ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☒ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☒ Yes ☐ No ☒ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☒ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☒ Yes ☐ No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

Cover Page

Order ID : P4518

Project ID : North Point

Client : ENTACT

Lab Sample Number

P4518-01
P4518-02
P4518-03
P4518-04
P4518-05

Client Sample Number

EX-5-TPH-1
EX-5-TPH-2
EX-5-TPH-3
EX-5-TPH-4
EX-5-TPH-5

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : N. N. Pandya

APPROVED

Nimisha Pandya QA/QC Supervisor Pandya , 11/6/2024, 11:06:57 AM

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

ENTACT

Project Name: North Point

Project # N/A

Chemtech Project # P4518

Test Name: Gasoline Range Organics

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 10/23/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, EPH, Gasoline Range Organics, TPH and TPH GC. This data package contains results for Gasoline Range Organics.

C. Analytical Techniques:

The analysis performed on instrument FID_B were done using GC column RTX502.2 which is 60 meters, 0.53mm ID, 3.0 um df, cat#10909. The analysis of Gasoline Range Organics was based on method 8015D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for EX-5-TPH-1 [Alpha,Alpha,Alpha-Trifluorotoluene - 363%], EX-5-TPH-3 [Alpha,Alpha,Alpha-Trifluorotoluene - 279%], EX-5-TPH-4 [Alpha,Alpha,Alpha-Trifluorotoluene - 277%], EX-5-TPH-5 [Alpha,Alpha and Alpha-Trifluorotoluene - 167%] due to bad matrix.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

For samples # EX-5-TPH-1, EX-5-TPH-2, EX-5-TPH-3, EX-5-TPH-4 and EX-5-TPH-5 both soil vial did not purge therefore analyzed directly in methanol.

E. Additional Comments:

The soil samples results are based on a dry weight basis.



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

2

2.1

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya



CASE NARRATIVE

ENTACT

Project Name: North Point

Project # N/A

Chemtech Project # P4518

Test Name: Diesel Range Organics

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 10/23/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, EPH, Gasoline Range Organics, TPH and TPH GC. This data package contains results for Diesel Range Organics.

C. Analytical Techniques:

The analysis of Diesel Range Organics was based on method 8015D and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for EX-5-TPH-1 [Tetracosane-d50 - 0%], EX-5-TPH-2 [Tetracosane-d50 - 0%], EX-5-TPH-4 [Tetracosane-d50 - 0%] and EX-5-TPH-5 [Tetracosane-d50 - 0%], Surrogates were diluted out due to the high dilution. No further corrective action was taken.

The Retention Times were acceptable for all samples.

The MS {P4518-01MS} with File ID: FF014766.D recoveries met the requirements for all compounds except for DRO[-4978%] due to matrix interference.

The MSD {P4518-01MSD} with File ID: FF014767.D recoveries met the acceptable requirements except for DRO[-5575%] due to matrix interference.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

Samples EX-5-TPH-1, EX-5-TPH-2, EX-5-TPH-3, EX-5-TPH-4 and EX-5-TPH-5 were diluted due to bad matrices.



E. Additional Comments:

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

N. N. Pandya

APPROVED

Nimisha Pandya QA/QC Supervisor Pandya , 11/6/2024, 11:07:13 AM

CASE NARRATIVE

ENTACT

Project Name: North Point

Project # N/A

Chemtech Project # P4518

Test Name: EPH

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 10/23/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, EPH, Gasoline Range Organics, TPH and TPH GC. This data package contains results for EPH.

C. Analytical Techniques:

The analysis were performed on instrument FID_C. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analyses were performed on instrument FID_D. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analysis of EPHs was based on method NJEPH and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for
EX-5-TPH-1DL [2-Bromonaphthalene (SURR) - 156%],
EX-5-TPH-2 [1-chlorooctadecane (SURR) - 37%],
EX-5-TPH-2DL [1-chlorooctadecane (SURR) - 34%],
EX-5-TPH-2DL2 [1-chlorooctadecane (SURR) - 38%],
EX-5-TPH-2DL2 [2-Bromonaphthalene (SURR) - 141%],
EX-5-TPH-4 [2-Fluorobiphenyl (SURR) - 144%],
EX-5-TPH-4DL [2-Bromonaphthalene (SURR) - 154%] and
EX-5-TPH-4DL2 [2-Bromonaphthalene (SURR) - 164%] due to high concentration,
samples required dilution therefore samples were reanalyzed with dilution and reported.

The Retention Times were acceptable for all samples.

The MS {P4518-05MS} with File ID: FC067546.D recoveries met the requirements for all compounds except for Aliphatic C9-C12[145%], Aliphatic C12-C16[921%], Aliphatic C16-C21[762%], Aliphatic C21-C28[377%] and Aliphatic C28-C40[321%] due to sample matrix interference.

The MS {P4518-05MS} with File ID: FD048607.D recoveries met the requirements for all compounds except for Aromatic C12-C16[223%], Aromatic C16-C21[281%] due to sample matrix interference.

The MSD {P4518-05MSD} with File ID: FC067547.D recoveries met the acceptable requirements except for Aliphatic C9-C12[140%], Aliphatic C12-C16[856%], Aliphatic C16-C21[748%], Aliphatic C21-C28[350%] and Aliphatic C28-C40[307%] due to sample matrix interference.

The MSD {P4518-05MSD} with File ID: FD048608.D recoveries met the acceptable requirements except for Aromatic C12-C16[180%], Aromatic C16-C21[277%] due to sample matrix interference.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

Samples EX-5-TPH-1, EX-5-TPH-1DL, EX-5-TPH-2, EX-5-TPH-2DL, EX-5-TPH-3, EX-5-TPH-3DL, EX-5-TPH-4, EX-5-TPH-4DL, EX-5-TPH-5 and EX-5-TPH-5DL were diluted due to high concentrations.

E. Additional Comments:

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

APPROVED

Nimisha Pandya QA/QC Supervisor Pandya , 11/6/2024, 11:07:23 AM

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4518

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 11/06/2024



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-1	SDG No.:	P4518
Lab Sample ID:	P4518-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	78.5
Sample Wt/Vol:	8	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031039.D	100	10/25/24 10:56	FB102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	56500		615	3580	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	72.5	*	50 - 150	363%	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:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-2	SDG No.:	P4518
Lab Sample ID:	P4518-02	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	79.2
Sample Wt/Vol:	7.89	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031044.D	100	10/25/24 13:10	FB102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	6020		618	3600	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.8		50 - 150	104%	SPK: 20

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-3	SDG No.:	P4518
Lab Sample ID:	P4518-03	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	84.1
Sample Wt/Vol:	7.89	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031041.D	50	10/25/24 11:50	FB102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	27600		291	1700	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	55.9	*	50 - 150	279%	SPK: 20

Comments:

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 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-4	SDG No.:	P4518
Lab Sample ID:	P4518-04	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	80.2
Sample Wt/Vol:	7.36	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031042.D	250	10/25/24 12:16	FB102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	115000		1640	9530	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	55.3	*	50 - 150	277%	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:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-5	SDG No.:	P4518
Lab Sample ID:	P4518-05	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	73.9
Sample Wt/Vol:	8.94	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Gasoline Range Organics
GPC Factor :		Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB031043.D	50	10/25/24 12:43	FB102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13500		292	1700	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	33.4	*	50 - 150	167%	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:	P4518	OrderDate:	10/23/2024 3:37:00 PM
Client:	ENTACT	Project:	North Point
Contact:	Wyatt Seel	Location:	K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4518-01	EX-5-TPH-1	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
P4518-02	EX-5-TPH-2	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
P4518-03	EX-5-TPH-3	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
P4518-04	EX-5-TPH-4	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
P4518-05	EX-5-TPH-5	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-1	SDG No.:	P4518
Lab Sample ID:	P4518-01	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	78.5
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :		Injection Volume :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014779.D	50	10/24/24 11:10	10/25/24 8:55	PB164381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1650000		11700	106000	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	0.00	*	37 - 130	0%	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:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-2	SDG No.:	P4518
Lab Sample ID:	P4518-02	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	79.2
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :		Injection Volume :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014783.D	200	10/24/24 11:10	10/25/24 10:51	PB164381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	3100000		46600	420000	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	0.00	*	37 - 130	0%	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:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-3	SDG No.:	P4518
Lab Sample ID:	P4518-03	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	84.1
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :		Injection Volume :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014782.D	20	10/24/24 11:10	10/25/24 10:22	PB164381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	559000		4380	39500	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	0.59		37 - 130	59%	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:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-4	SDG No.:	P4518
Lab Sample ID:	P4518-04	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	80.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :		Injection Volume :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014785.D	100	10/24/24 11:10	10/25/24 11:49	PB164381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1900000		23000	207000	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	0.00	*	37 - 130	0%	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:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-5	SDG No.:	P4518
Lab Sample ID:	P4518-05	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	73.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :		Injection Volume :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF014784.D	50	10/24/24 11:10	10/25/24 11:20	PB164381

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	941000		12500	113000	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	0.00	*	37 - 130	0%	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:	P4518	OrderDate:	10/23/2024 3:37:00 PM
Client:	ENTACT	Project:	North Point
Contact:	Wyatt Seel	Location:	K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4518-01	EX-5-TPH-1	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
P4518-02	EX-5-TPH-2	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
P4518-03	EX-5-TPH-3	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
P4518-04	EX-5-TPH-4	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
P4518-05	EX-5-TPH-5	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-1	SDG No.:	P4518
Lab Sample ID:	P4518-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.5
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/28/24 18:16	PB164396

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	37.1		5	2.41	6.35	mg/kg FC067548.D
Aliphatic C12-C16	Aliphatic C12-C16	358		25	7.63	21.2	mg/kg FC067549.D
Aliphatic C16-C21	Aliphatic C16-C21	351		25	9.53	31.8	mg/kg FC067549.D
Aliphatic C21-C28	Aliphatic C21-C28	31.0		5	5.08	8.47	mg/kg FC067548.D
Aliphatic C28-C40	Aliphatic C28-C40	55.7		5	11.4	12.7	mg/kg FC067548.D
Aromatic C10-C12	Aromatic C10-C12	9.10		1	0.38	0.85	mg/kg FD048589.D
Aromatic C12-C16	Aromatic C12-C16	108		10	4.32	12.7	mg/kg FD048609.D
Aromatic C16-C21	Aromatic C16-C21	325		10	12.2	21.2	mg/kg FD048609.D
Aromatic C21-C36	Aromatic C21-C36	60.3		1	2.54	3.39	mg/kg FD048589.D
Total AliphaticEPH	Total AliphaticEPH	833			36.0	80.5	mg/kg
Total AromaticEPH	Total AromaticEPH	502			19.4	38.1	mg/kg
Total EPH	Total EPH	1340			55.5	119	mg/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

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:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-1		SDG No.:	P4518	
Lab Sample ID:	P4518-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	78.5	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067526.D	1	10/25/24	10/25/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	38.0	E	0.48	1.27	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	274	E	0.31	0.85	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	290	E	0.38	1.27	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	85.7	E	1.02	1.69	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	74.1	E	2.29	2.54	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.1		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-01	Acq On:	25 Oct 2024 16:18
Client Sample ID:	EX-5-TPH-1	Operator:	YP/AJ
Data file:	FC067526.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	60835523	449.071	300	ug/ml
Aliphatic C12-C16	6.454	9.843	426061804	3240	200	ug/ml
Aliphatic C16-C21	9.844	13.201	436875004	3430	300	ug/ml
Aliphatic C21-C28	13.202	16.856	121411312	1010	400	ug/ml
Aliphatic C28-C40	16.857	21.702	88429971	874.737	600	ug/ml
Aliphatic EPH	3.173	21.702	1133613614	9000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.938	12.938	4433909	41.06		ug/ml
Aliphatic C9-C28	3.173	16.856	1045183643	8130	1200	ug/ml

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-1	SDG No.:	P4518
Lab Sample ID:	P4518-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048589.D	1	10/25/24	10/25/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.10		0.38	0.85	mg/kg
Aromatic C12-C16	Aromatic C12-C16	91.9	E	0.43	1.27	mg/kg
Aromatic C16-C21	Aromatic C16-C21	308	E	1.22	2.12	mg/kg
Aromatic C21-C36	Aromatic C21-C36	60.3		2.54	3.39	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	64.9		40 - 140	130%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	68.0		40 - 140	136%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.9		40 - 140	102%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-01	Acq On:	25 Oct 2024 16:18
Client Sample ID:	EX-5-TPH-1	Operator:	YP/AJ
Data file:	FD048589.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	18930236	107.434	200	ug/ml
Aromatic C12-C16	5.813	8.418	192256556	1080	300	ug/ml
Aromatic C16-C21	8.419	12.680	596891346	3640	500	ug/ml
Aromatic C21-C36	12.681	18.085	108611000	711.209	800	ug/ml
Aromatic EPH	4.094	18.085	916689138	5550		ug/ml
2-Bromonaphthalene (SURRE)	7.377	7.377	9849680	64.89		ug/ml
2-Fluorobiphenyl (SURRE)	8.230	8.230	6682262	68.05		ug/ml
ortho-Terphenyl (SURRE)	11.269	11.269	8669784	50.9		ug/ml

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-1DL	SDG No.:	P4518
Lab Sample ID:	P4518-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067548.D	5	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	37.1		2.41	6.35	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	278	E	1.53	4.24	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	274	E	1.91	6.35	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	31.0		5.08	8.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	55.7		11.4	12.7	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	8.46		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-01DL	Acq On:	28 Oct 2024 18:16
Client Sample ID:	EX-5-TPH-1DL	Operator:	YP/AJ
Data file:	FC067548.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	11864579	87.581	300	ug/ml
Aliphatic C12-C16	6.454	9.842	86636057	657.92	200	ug/ml
Aliphatic C16-C21	9.843	13.200	82408747	647.689	300	ug/ml
Aliphatic C21-C28	13.201	16.853	8794558	73.233	400	ug/ml
Aliphatic C28-C40	16.854	21.695	13301454	131.576	600	ug/ml
Aliphatic EPH	3.173	21.695	203005395	1600		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	913742	8.46		ug/ml
Aliphatic C9-C28	3.173	16.853	189703941	1470	1200	ug/ml

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-1DL	SDG No.:	P4518
Lab Sample ID:	P4518-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048609.D	10	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	10.1		3.81	8.47	mg/kg
Aromatic C12-C16	Aromatic C12-C16	108		4.32	12.7	mg/kg
Aromatic C16-C21	Aromatic C16-C21	325		12.2	21.2	mg/kg
Aromatic C21-C36	Aromatic C21-C36	47.4		25.4	33.9	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	7.78		40 - 140	156%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	6.29		40 - 140	126%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	5.79		40 - 140	116%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-01DL	Acq On:	28 Oct 2024 17:39
Client Sample ID:	EX-5-TPH-1DL	Operator:	YP/AJ
Data file:	FD048609.D	Misc:	
Instrument:	FID_D	ALS Vial:	72
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	2110583	11.978	200	ug/ml
Aromatic C12-C16	5.813	8.417	22650474	127.771	300	ug/ml
Aromatic C16-C21	8.418	12.677	62964351	384.321	500	ug/ml
Aromatic C21-C36	12.678	18.081	8552149	56.001	800	ug/ml
Aromatic EPH	4.094	18.081	96277557	580.072		ug/ml
ortho-Terphenyl (SURR)	11.253	11.253	985651	5.79		ug/ml
2-Bromonaphthalene (SURR)	7.370	7.370	1180949	7.78		ug/ml
2-Fluorobiphenyl (SURR)	8.222	8.222	617676	6.29		ug/ml

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-1DL2	SDG No.:	P4518
Lab Sample ID:	P4518-01DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067549.D	25	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	42.2		12.1	31.8	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	358		7.63	21.2	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	351		9.53	31.8	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	35.9	J	25.4	42.4	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	90.9		57.2	63.5	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	2.03		40 - 140	102%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-01DL2	Acq On:	28 Oct 2024 18:52
Client Sample ID:	EX-5-TPH-1DL2	Operator:	YP/AJ
Data file:	FC067549.D	Misc:	
Instrument:	FID_C	ALS Vial:	25
Dilution Factor:	25	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	2700848	19.937	300	ug/ml
Aliphatic C12-C16	6.454	9.842	22302236	169.365	200	ug/ml
Aliphatic C16-C21	9.843	13.200	21127604	166.052	300	ug/ml
Aliphatic C21-C28	13.201	16.853	2035428	16.949	400	ug/ml
Aliphatic C28-C40	16.854	21.695	4338513	42.916	600	ug/ml
Aliphatic EPH	3.173	21.695	52504629	415.218		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.930	12.930	218686	2.03		ug/ml
Aliphatic C9-C28	3.173	16.853	48166116	372.303	1200	ug/ml

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-2	SDG No.:	P4518
Lab Sample ID:	P4518-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.2
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/29/24 7:42	PB164396

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	44.1		5	2.39	6.30	mg/kg FC067550.D
Aliphatic C12-C16	Aliphatic C12-C16	235		25	7.56	21.0	mg/kg FC067553.D
Aliphatic C16-C21	Aliphatic C16-C21	340		25	9.45	31.5	mg/kg FC067553.D
Aliphatic C21-C28	Aliphatic C21-C28	100		5	5.04	8.40	mg/kg FC067550.D
Aliphatic C28-C40	Aliphatic C28-C40	125		5	11.3	12.6	mg/kg FC067550.D
Aromatic C10-C12	Aromatic C10-C12	17.5		2	0.76	1.68	mg/kg FD048610.D
Aromatic C12-C16	Aromatic C12-C16	125		20	8.57	25.2	mg/kg FD048611.D
Aromatic C16-C21	Aromatic C16-C21	433		20	24.2	42.0	mg/kg FD048611.D
Aromatic C21-C36	Aromatic C21-C36	77.6		2	5.04	6.72	mg/kg FD048610.D
Total AliphaticEPH	Total AliphaticEPH	844			35.7	79.8	mg/kg
Total AromaticEPH	Total AromaticEPH	653			38.6	75.6	mg/kg
Total EPH	Total EPH	1500			74.3	155	mg/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

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:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-2		SDG No.:	P4518	
Lab Sample ID:	P4518-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.2	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067527.D	1	10/25/24	10/25/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	48.1	E	0.48	1.26	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	229	E	0.30	0.84	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	328	E	0.38	1.26	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	133	E	1.01	1.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	129	E	2.27	2.52	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	18.5		40 - 140	37%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-02	Acq On:	25 Oct 2024 16:54
Client Sample ID:	EX-5-TPH-2	Operator:	YP/AJ
Data file:	FC067527.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	77619115	572.963	300	ug/ml
Aliphatic C12-C16	6.454	9.843	358862923	2730	200	ug/ml
Aliphatic C16-C21	9.844	13.201	498057818	3910	300	ug/ml
Aliphatic C21-C28	13.202	16.856	191040399	1590	400	ug/ml
Aliphatic C28-C40	16.857	21.702	155735922	1540	600	ug/ml
Aliphatic EPH	3.173	21.702	1281316177	10300		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.938	12.938	1994533	18.47		ug/ml
Aliphatic C9-C28	3.173	16.856	1125580255	8800	1200	ug/ml

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-2		SDG No.:	P4518	
Lab Sample ID:	P4518-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.2	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048590.D	1	10/25/24	10/25/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	17.5	E	0.38	0.84	mg/kg
Aromatic C12-C16	Aromatic C12-C16	103	E	0.43	1.26	mg/kg
Aromatic C16-C21	Aromatic C16-C21	357	E	1.21	2.10	mg/kg
Aromatic C21-C36	Aromatic C21-C36	85.7	E	2.52	3.36	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	56.1		40 - 140	112%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	62.2		40 - 140	124%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.4		40 - 140	41%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-02	Acq On:	25 Oct 2024 16:54
Client Sample ID:	EX-5-TPH-2	Operator:	YP/AJ
Data file:	FD048590.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	36787552	208.78	200	ug/ml
Aromatic C12-C16	5.813	8.418	218121092	1230	300	ug/ml
Aromatic C16-C21	8.419	12.680	696406923	4250	500	ug/ml
Aromatic C21-C36	12.681	18.085	155662040	1020	800	ug/ml
Aromatic EPH	4.094	18.085	1106977607	6710		ug/ml
2-Bromonaphthalene (SURR)	7.377	7.377	8509906	56.07		ug/ml
2-Fluorobiphenyl (SURR)	8.230	8.230	6108272	62.21		ug/ml
ortho-Terphenyl (SURR)	11.269	11.269	3471602	20.38		ug/ml

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-2DL	SDG No.:	P4518
Lab Sample ID:	P4518-02DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067550.D	5	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	44.1		2.39	6.30	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	233	E	1.51	4.20	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	336	E	1.89	6.30	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	100		5.04	8.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	125		11.3	12.6	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	3.45		40 - 140	34%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-02DL	Acq On:	29 Oct 2024 07:42
Client Sample ID:	EX-5-TPH-2DL	Operator:	YP/AJ
Data file:	FC067550.D	Misc:	
Instrument:	FID_C	ALS Vial:	26
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	14224095	104.998	300	ug/ml
Aliphatic C12-C16	6.454	9.842	73228832	556.105	200	ug/ml
Aliphatic C16-C21	9.843	13.200	101975635	801.474	300	ug/ml
Aliphatic C21-C28	13.201	16.853	28852913	240.26	400	ug/ml
Aliphatic C28-C40	16.854	21.695	30163799	298.376	600	ug/ml
Aliphatic EPH	3.173	21.695	248445274	2000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.934	12.934	372058	3.45		ug/ml
Aliphatic C9-C28	3.173	16.853	218281475	1700	1200	ug/ml

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-2DL	SDG No.:	P4518
Lab Sample ID:	P4518-02DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048610.D	2	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	17.5		0.76	1.68	mg/kg
Aromatic C12-C16	Aromatic C12-C16	106	E	0.86	2.52	mg/kg
Aromatic C16-C21	Aromatic C16-C21	346	E	2.42	4.20	mg/kg
Aromatic C21-C36	Aromatic C21-C36	77.6		5.04	6.72	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	30.5		40 - 140	122%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	29.1		40 - 140	116%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	11.3		40 - 140	45%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-02DL	Acq On:	28 Oct 2024 18:16
Client Sample ID:	EX-5-TPH-2DL	Operator:	YP/AJ
Data file:	FD048610.D	Misc:	
Instrument:	FID_D	ALS Vial:	73
Dilution Factor:	2	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	18361443	104.206	200	ug/ml
Aromatic C12-C16	5.813	8.417	112183874	632.829	300	ug/ml
Aromatic C16-C21	8.418	12.677	338141517	2060	500	ug/ml
Aromatic C21-C36	12.678	18.081	70531991	461.859	800	ug/ml
Aromatic EPH	4.094	18.081	539218825	3260		ug/ml
ortho-Terphenyl (SURR)	11.258	11.258	1925911	11.31		ug/ml
2-Bromonaphthalene (SURR)	7.370	7.370	4628962	30.5		ug/ml
2-Flurobiphenyl (SURR)	8.222	8.222	2858937	29.12		ug/ml

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-2DL2		SDG No.:	P4518	
Lab Sample ID:	P4518-02DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.2	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067553.D	25	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	50.5		12.0	31.5	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	235		7.56	21.0	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	340		9.45	31.5	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	42.5		25.2	42.0	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	152		56.7	63.0	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.76		40 - 140	38%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-02DL2	Acq On:	29 Oct 2024 09:31
Client Sample ID:	EX-5-TPH-2DL2	Operator:	YP/AJ
Data file:	FC067553.D	Misc:	
Instrument:	FID_C	ALS Vial:	27
Dilution Factor:	25	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	3259580	24.061	300	ug/ml
Aliphatic C12-C16	6.454	9.842	14755876	112.057	200	ug/ml
Aliphatic C16-C21	9.843	13.200	20595384	161.869	300	ug/ml
Aliphatic C21-C28	13.201	16.853	2428411	20.222	400	ug/ml
Aliphatic C28-C40	16.854	21.695	7332815	72.535	600	ug/ml
Aliphatic EPH	3.173	21.695	48372066	390.744		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.928	12.928	82366	0.76		ug/ml
Aliphatic C9-C28	3.173	16.853	41039251	318.209	1200	ug/ml

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-2DL2		SDG No.:	P4518	
Lab Sample ID:	P4518-02DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	79.2	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048611.D	20	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	22.1		7.56	16.8	mg/kg
Aromatic C12-C16	Aromatic C12-C16	125		8.57	25.2	mg/kg
Aromatic C16-C21	Aromatic C16-C21	433		24.2	42.0	mg/kg
Aromatic C21-C36	Aromatic C21-C36	62.1	J	50.4	67.2	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	3.53		40 - 140	141%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	2.81		40 - 140	112%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	1.31		40 - 140	52%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-02DL2	Acq On:	28 Oct 2024 18:52
Client Sample ID:	EX-5-TPH-2DL2	Operator:	YP/AJ
Data file:	FD048611.D	Misc:	
Instrument:	FID_D	ALS Vial:	74
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	2317599	13.153	200	ug/ml
Aromatic C12-C16	5.813	8.417	13195016	74.433	300	ug/ml
Aromatic C16-C21	8.418	12.677	42227577	257.748	500	ug/ml
Aromatic C21-C36	12.678	18.081	5643287	36.954	800	ug/ml
Aromatic EPH	4.094	18.081	63383479	382.288		ug/ml
2-Bromonaphthalene (SURR)	7.371	7.371	535619	3.53		ug/ml
2-Fluorobiphenyl (SURR)	8.224	8.224	276369	2.81		ug/ml
ortho-Terphenyl (SURR)	11.254	11.254	223705	1.31		ug/ml

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-3	SDG No.:	P4518
Lab Sample ID:	P4518-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.1
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/25/24 17:30	PB164396

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	23.1		1	0.45	1.19	mg/kg FC067528.D
Aliphatic C12-C16	Aliphatic C12-C16	165		20	5.70	15.8	mg/kg FC067555.D
Aliphatic C16-C21	Aliphatic C16-C21	194		20	7.13	23.8	mg/kg FC067555.D
Aliphatic C21-C28	Aliphatic C21-C28	48.9		5	4.75	7.92	mg/kg FC067554.D
Aliphatic C28-C40	Aliphatic C28-C40	64.3		5	10.7	11.9	mg/kg FC067554.D
Aromatic C10-C12	Aromatic C10-C12	8.24		1	0.36	0.79	mg/kg FD048591.D
Aromatic C12-C16	Aromatic C12-C16	73.3		10	4.04	11.9	mg/kg FD048612.D
Aromatic C16-C21	Aromatic C16-C21	251		10	11.4	19.8	mg/kg FD048612.D
Aromatic C21-C36	Aromatic C21-C36	46.4		1	2.38	3.17	mg/kg FD048591.D
Total AliphaticEPH	Total AliphaticEPH	495			28.7	60.6	mg/kg
Total AromaticEPH	Total AromaticEPH	379			18.2	35.7	mg/kg
Total EPH	Total EPH	874			46.9	96.3	mg/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

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:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-3		SDG No.:	P4518	
Lab Sample ID:	P4518-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.1	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067528.D	1	10/25/24	10/25/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	23.1		0.45	1.19	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	159	E	0.28	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	195	E	0.36	1.19	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	64.0	E	0.95	1.58	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	72.6	E	2.14	2.38	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.7		40 - 140	45%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-03	Acq On:	25 Oct 2024 17:30
Client Sample ID:	EX-5-TPH-3	Operator:	YP/AJ
Data file:	FC067528.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	39510283	291.654	300	ug/ml
Aliphatic C12-C16	6.454	9.843	265627879	2020	200	ug/ml
Aliphatic C16-C21	9.844	13.201	314391084	2470	300	ug/ml
Aliphatic C21-C28	13.202	16.856	96978920	807.549	400	ug/ml
Aliphatic C28-C40	16.857	21.702	92710265	917.077	600	ug/ml
Aliphatic EPH	3.173	21.702	809218431	6500		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.939	12.939	2448698	22.68		ug/ml
Aliphatic C9-C28	3.173	16.856	716508166	5590	1200	ug/ml

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-3		SDG No.:	P4518	
Lab Sample ID:	P4518-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.1	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048591.D	1	10/25/24	10/25/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	8.24		0.36	0.79	mg/kg
Aromatic C12-C16	Aromatic C12-C16	65.3	E	0.40	1.19	mg/kg
Aromatic C16-C21	Aromatic C16-C21	225	E	1.14	1.98	mg/kg
Aromatic C21-C36	Aromatic C21-C36	46.4		2.38	3.17	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	66.5		40 - 140	133%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	64.7		40 - 140	129%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.1		40 - 140	66%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-03	Acq On:	25 Oct 2024 17:30
Client Sample ID:	EX-5-TPH-3	Operator:	YP/AJ
Data file:	FD048591.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	18334401	104.053	200	ug/ml
Aromatic C12-C16	5.813	8.418	146087426	824.079	300	ug/ml
Aromatic C16-C21	8.419	12.680	465611718	2840	500	ug/ml
Aromatic C21-C36	12.681	18.085	89555718	586.431	800	ug/ml
Aromatic EPH	4.094	18.085	719589263	4360		ug/ml
2-Bromonaphthalene (SURRE)	7.377	7.377	10098097	66.53		ug/ml
2-Fluorobiphenyl (SURRE)	8.228	8.228	6355793	64.73		ug/ml
ortho-Terphenyl (SURRE)	11.266	11.266	5637823	33.1		ug/ml

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-3DL		SDG No.:	P4518	
Lab Sample ID:	P4518-03DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.1	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067554.D	5	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	24.8		2.26	5.94	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	174	E	1.43	3.96	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	209	E	1.78	5.94	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	48.9		4.75	7.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	64.3		10.7	11.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	4.87		40 - 140	49%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-03DL	Acq On:	29 Oct 2024 10:08
Client Sample ID:	EX-5-TPH-3DL	Operator:	YP/AJ
Data file:	FC067554.D	Misc:	
Instrument:	FID_C	ALS Vial:	28
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	8495741	62.713	300	ug/ml
Aliphatic C12-C16	6.454	9.842	57944206	440.032	200	ug/ml
Aliphatic C16-C21	9.843	13.200	67441748	530.056	300	ug/ml
Aliphatic C21-C28	13.201	16.853	14844129	123.608	400	ug/ml
Aliphatic C28-C40	16.854	21.695	16407177	162.298	600	ug/ml
Aliphatic EPH	3.173	21.695	165133001	1320		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	525715	4.87		ug/ml
Aliphatic C9-C28	3.173	16.853	148725824	1160	1200	ug/ml

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-3DL	SDG No.:	P4518
Lab Sample ID:	P4518-03DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048612.D	10	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.86		3.56	7.92	mg/kg
Aromatic C12-C16	Aromatic C12-C16	73.3		4.04	11.9	mg/kg
Aromatic C16-C21	Aromatic C16-C21	251		11.4	19.8	mg/kg
Aromatic C21-C36	Aromatic C21-C36	45.8		23.8	31.7	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	6.91		40 - 140	138%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	6.24		40 - 140	125%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	3.99		40 - 140	80%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-03DL	Acq On:	29 Oct 2024 07:42
Client Sample ID:	EX-5-TPH-3DL	Operator:	YP/AJ
Data file:	FD048612.D	Misc:	
Instrument:	FID_D	ALS Vial:	75
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	2193034	12.446	200	ug/ml
Aromatic C12-C16	5.813	8.417	16405999	92.546	300	ug/ml
Aromatic C16-C21	8.418	12.677	52119207	318.125	500	ug/ml
Aromatic C21-C36	12.678	18.081	8834216	57.848	800	ug/ml
Aromatic EPH	4.094	18.081	79552456	480.966		ug/ml
2-Bromonaphthalene (SURRE)	7.367	7.367	1049399	6.91		ug/ml
2-Fluorobiphenyl (SURRE)	8.219	8.219	612546	6.24		ug/ml
ortho-Terphenyl (SURRE)	11.251	11.251	680038	3.99		ug/ml

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-3DL2	SDG No.:	P4518
Lab Sample ID:	P4518-03DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067555.D	20	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	22.3	J	9.03	23.8	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	165		5.70	15.8	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	194		7.13	23.8	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	20.2	J	19.0	31.7	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	72.3		42.8	47.5	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	1.14		40 - 140	46%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-03DL2	Acq On:	29 Oct 2024 10:46
Client Sample ID:	EX-5-TPH-3DL2	Operator:	YP/AJ
Data file:	FC067555.D	Misc:	
Instrument:	FID_C	ALS Vial:	29
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	1906626	14.074	300	ug/ml
Aliphatic C12-C16	6.454	9.842	13722724	104.211	200	ug/ml
Aliphatic C16-C21	9.843	13.200	15595715	122.574	300	ug/ml
Aliphatic C21-C28	13.201	16.853	1531831	12.756	400	ug/ml
Aliphatic C28-C40	16.854	21.695	4614704	45.648	600	ug/ml
Aliphatic EPH	3.173	21.695	37371600	299.263		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.929	12.929	122906	1.14		ug/ml
Aliphatic C9-C28	3.173	16.853	32756896	253.615	1200	ug/ml

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-4	SDG No.:	P4518
Lab Sample ID:	P4518-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/29/24 11:23	PB164396

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	140		10	4.73	12.4	mg/kg FC067556.D
Aliphatic C12-C16	Aliphatic C12-C16	860		100	29.8	82.9	mg/kg FC067557.D
Aliphatic C16-C21	Aliphatic C16-C21	779		100	37.3	124	mg/kg FC067557.D
Aliphatic C21-C28	Aliphatic C21-C28	162		10	9.95	16.6	mg/kg FC067556.D
Aliphatic C28-C40	Aliphatic C28-C40	172		10	22.4	24.9	mg/kg FC067556.D
Aromatic C10-C12	Aromatic C10-C12	33.4		5	1.87	4.15	mg/kg FD048615.D
Aromatic C12-C16	Aromatic C12-C16	254		20	8.46	24.9	mg/kg FD048616.D
Aromatic C16-C21	Aromatic C16-C21	670		20	23.9	41.5	mg/kg FD048616.D
Aromatic C21-C36	Aromatic C21-C36	88.5		5	12.4	16.6	mg/kg FD048615.D
Total AliphaticEPH	Total AliphaticEPH	2110			104	261	mg/kg
Total AromaticEPH	Total AromaticEPH	1050			46.6	87.2	mg/kg
Total EPH	Total EPH	3160			151	348	mg/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

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:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-4		SDG No.:	P4518	
Lab Sample ID:	P4518-04		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	80.2	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067529.D	1	10/25/24	10/25/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	121	E	0.47	1.24	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	691	E	0.30	0.83	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	675	E	0.37	1.24	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	186	E	1.00	1.66	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	184	E	2.24	2.49	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.6		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-04	Acq On:	25 Oct 2024 18:06
Client Sample ID:	EX-5-TPH-4	Operator:	YP/AJ
Data file:	FC067529.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	199202192	1470	300	ug/ml
Aliphatic C12-C16	6.454	9.843	1097748146	8340	200	ug/ml
Aliphatic C16-C21	9.844	13.201	1036694090	8150	300	ug/ml
Aliphatic C21-C28	13.202	16.856	270766709	2250	400	ug/ml
Aliphatic C28-C40	16.857	21.702	224502297	2220	600	ug/ml
Aliphatic EPH	3.173	21.702	2828913434	22400		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.943	12.943	3955002	36.62		ug/ml
Aliphatic C9-C28	3.173	16.856	2604411137	20300	1200	ug/ml

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-4		SDG No.:	P4518	
Lab Sample ID:	P4518-04		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	80.2	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048592.D	1	10/25/24	10/25/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	29.5	E	0.37	0.83	mg/kg
Aromatic C12-C16	Aromatic C12-C16	218	E	0.42	1.24	mg/kg
Aromatic C16-C21	Aromatic C16-C21	553	E	1.19	2.07	mg/kg
Aromatic C21-C36	Aromatic C21-C36	90.1	E	2.49	3.32	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	60.4		40 - 140	121%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	71.9		40 - 140	144%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.6		40 - 140	71%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-04	Acq On:	25 Oct 2024 18:06
Client Sample ID:	EX-5-TPH-4	Operator:	YP/AJ
Data file:	FD048592.D	Misc:	
Instrument:	FID_D	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	62680456	355.729	200	ug/ml
Aromatic C12-C16	5.813	8.418	466537397	2630	300	ug/ml
Aromatic C16-C21	8.419	12.680	1094509282	6680	500	ug/ml
Aromatic C21-C36	12.681	18.085	165927943	1090	800	ug/ml
Aromatic EPH	4.094	18.085	1789655078	10800		ug/ml
ortho-Terphenyl (SURR)	11.276	11.276	6060467	35.58		ug/ml
2-Bromonaphthalene (SURR)	7.379	7.379	9160971	60.36		ug/ml
2-Fluorobiphenyl (SURR)	8.237	8.237	7056663	71.87		ug/ml

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-4DL	SDG No.:	P4518
Lab Sample ID:	P4518-04DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067556.D	10	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	140		4.73	12.4	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	819	E	2.98	8.29	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	762	E	3.73	12.4	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	162		9.95	16.6	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	172		22.4	24.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	3.67		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-04DL	Acq On:	29 Oct 2024 11:23
Client Sample ID:	EX-5-TPH-4DL	Operator:	YP/AJ
Data file:	FC067556.D	Misc:	
Instrument:	FID_C	ALS Vial:	30
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	22970876	169.565	300	ug/ml
Aliphatic C12-C16	6.454	9.842	130160403	988.447	200	ug/ml
Aliphatic C16-C21	9.843	13.200	117053682	919.98	300	ug/ml
Aliphatic C21-C28	13.201	16.853	23516503	195.823	400	ug/ml
Aliphatic C28-C40	16.854	21.695	21027710	208.003	600	ug/ml
Aliphatic EPH	3.173	21.695	314729174	2480		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	396097	3.67		ug/ml
Aliphatic C9-C28	3.173	16.853	293701464	2270	1200	ug/ml

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-4DL	SDG No.:	P4518
Lab Sample ID:	P4518-04DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048615.D	5	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	33.4		1.87	4.15	mg/kg
Aromatic C12-C16	Aromatic C12-C16	238	E	2.11	6.22	mg/kg
Aromatic C16-C21	Aromatic C16-C21	617	E	5.97	10.4	mg/kg
Aromatic C21-C36	Aromatic C21-C36	88.5		12.4	16.6	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	15.4		40 - 140	154%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	13.0		40 - 140	130%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	7.51		40 - 140	75%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-04DL	Acq On:	29 Oct 2024 09:31
Client Sample ID:	EX-5-TPH-4DL	Operator:	YP/AJ
Data file:	FD048615.D	Misc:	
Instrument:	FID_D	ALS Vial:	76
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	14192652	80.547	200	ug/ml
Aromatic C12-C16	5.813	8.417	102069740	575.776	300	ug/ml
Aromatic C16-C21	8.418	12.677	244146147	1490	500	ug/ml
Aromatic C21-C36	12.678	18.081	32594673	213.437	800	ug/ml
Aromatic EPH	4.094	18.081	393003212	2360		ug/ml
2-Bromonaphthalene (SURRE)	7.371	7.371	2338106	15.4		ug/ml
2-Fluorobiphenyl (SURRE)	8.223	8.223	1275250	12.99		ug/ml
ortho-Terphenyl (SURRE)	11.256	11.256	1279387	7.51		ug/ml

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-4DL2		SDG No.:	P4518	
Lab Sample ID:	P4518-04DL2		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	80.2	
Sample Wt/Vol:	30.08	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067557.D	100	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	132		47.3	124	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	860		29.8	82.9	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	779		37.3	124	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	61.4	J	99.5	165	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	270		223	248	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.42		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-04DL2	Acq On:	29 Oct 2024 12:00
Client Sample ID:	EX-5-TPH-4DL2	Operator:	YP/AJ
Data file:	FC067557.D	Misc:	
Instrument:	FID_C	ALS Vial:	31
Dilution Factor:	100	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	2166001	15.989	300	ug/ml
Aliphatic C12-C16	6.454	9.842	13668978	103.803	200	ug/ml
Aliphatic C16-C21	9.843	13.200	11958464	93.987	300	ug/ml
Aliphatic C21-C28	13.201	16.853	888813	7.401	400	ug/ml
Aliphatic C28-C40	16.854	21.695	3292936	32.573	600	ug/ml
Aliphatic EPH	3.173	21.695	31975192	253.754		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.930	12.930	45147	0.42		ug/ml
Aliphatic C9-C28	3.173	16.853	28682256	221.18	1200	ug/ml

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-4DL2	SDG No.:	P4518
Lab Sample ID:	P4518-04DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048616.D	20	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	37.0		7.46	16.6	mg/kg
Aromatic C12-C16	Aromatic C12-C16	254		8.46	24.9	mg/kg
Aromatic C16-C21	Aromatic C16-C21	670		23.9	41.5	mg/kg
Aromatic C21-C36	Aromatic C21-C36	77.6		49.7	66.3	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	4.10		40 - 140	164%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	2.92		40 - 140	117%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	2.27		40 - 140	91%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-04DL2	Acq On:	29 Oct 2024 10:08
Client Sample ID:	EX-5-TPH-4DL2	Operator:	YP/AJ
Data file:	FD048616.D	Misc:	
Instrument:	FID_D	ALS Vial:	77
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	3928545	22.296	200	ug/ml
Aromatic C12-C16	5.813	8.417	27203162	153.453	300	ug/ml
Aromatic C16-C21	8.418	12.677	66220264	404.195	500	ug/ml
Aromatic C21-C36	12.678	18.081	7148958	46.813	800	ug/ml
Aromatic EPH	4.094	18.081	104500929	626.756		ug/ml
2-Bromonaphthalene (SURR)	7.372	7.372	622156	4.1		ug/ml
2-Fluorobiphenyl (SURR)	8.224	8.224	286672	2.92		ug/ml
ortho-Terphenyl (SURR)	11.253	11.253	386544	2.27		ug/ml

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-5		SDG No.:	P4518	
Lab Sample ID:	P4518-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	73.9	
Sample Wt/Vol:	30.1	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/28/24 12:40	PB164396

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	23.2		1	0.51	1.35	mg/kg FC067539.D
Aliphatic C12-C16	Aliphatic C12-C16	201		20	6.47	18.0	mg/kg FC067559.D
Aliphatic C16-C21	Aliphatic C16-C21	208		20	8.09	27.0	mg/kg FC067559.D
Aliphatic C21-C28	Aliphatic C21-C28	19.1		5	5.39	8.99	mg/kg FC067558.D
Aliphatic C28-C40	Aliphatic C28-C40	38.9		1	2.43	2.70	mg/kg FC067539.D
Aromatic C10-C12	Aromatic C10-C12	4.94		1	0.41	0.90	mg/kg FD048600.D
Aromatic C12-C16	Aromatic C12-C16	56.9		5	2.29	6.74	mg/kg FD048617.D
Aromatic C16-C21	Aromatic C16-C21	178		5	6.47	11.2	mg/kg FD048617.D
Aromatic C21-C36	Aromatic C21-C36	40.5		1	2.70	3.60	mg/kg FD048600.D
Total AliphaticEPH	Total AliphaticEPH	490			22.9	58.0	mg/kg
Total AromaticEPH	Total AromaticEPH	280			11.9	22.4	mg/kg
Total EPH	Total EPH	771			34.8	80.5	mg/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

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:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-5		SDG No.:	P4518	
Lab Sample ID:	P4518-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	73.9	
Sample Wt/Vol:	30.1	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067539.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	23.2		0.51	1.35	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	184	E	0.32	0.90	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	200	E	0.41	1.35	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	36.9	E	1.08	1.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	38.9		2.43	2.70	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.2		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-05	Acq On:	28 Oct 2024 12:40
Client Sample ID:	EX-5-TPH-5	Operator:	YP/AJ
Data file:	FC067539.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	34944397	257.95	300	ug/ml
Aliphatic C12-C16	6.454	9.842	270769093	2060	200	ug/ml
Aliphatic C16-C21	9.843	13.200	284358818	2230	300	ug/ml
Aliphatic C21-C28	13.201	16.853	49243402	410.053	400	ug/ml
Aliphatic C28-C40	16.854	21.695	43767348	432.941	600	ug/ml
Aliphatic EPH	3.173	21.695	683083058	5390		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.935	12.935	3906204	36.17		ug/ml
Aliphatic C9-C28	3.173	16.853	639315710	4960	1200	ug/ml

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-5	SDG No.:	P4518
Lab Sample ID:	P4518-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	73.9
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048600.D	1	10/25/24	10/28/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.94		0.41	0.90	mg/kg
Aromatic C12-C16	Aromatic C12-C16	55.1	E	0.46	1.35	mg/kg
Aromatic C16-C21	Aromatic C16-C21	191	E	1.29	2.25	mg/kg
Aromatic C21-C36	Aromatic C21-C36	40.5		2.70	3.60	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.0		40 - 140	94%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	49.2		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.1		40 - 140	60%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-05	Acq On:	28 Oct 2024 12:03
Client Sample ID:	EX-5-TPH-5	Operator:	YP/AJ
Data file:	FD048600.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	9674420	54.905	200	ug/ml
Aromatic C12-C16	5.813	8.417	108683452	613.083	300	ug/ml
Aromatic C16-C21	8.418	12.677	349091010	2130	500	ug/ml
Aromatic C21-C36	12.678	18.081	68853737	450.87	800	ug/ml
Aromatic EPH	4.094	18.081	536302619	3250		ug/ml
2-Fluorobiphenyl (SURR)	8.225	8.225	4829462	49.18		ug/ml
ortho-Terphenyl (SURR)	11.261	11.261	5123116	30.08		ug/ml
2-Bromonaphthalene (SURR)	7.373	7.373	7133269	47		ug/ml

Report of Analysis

Client:	ENTACT		Date Collected:	10/23/24	
Project:	North Point		Date Received:	10/23/24	
Client Sample ID:	EX-5-TPH-5DL		SDG No.:	P4518	
Lab Sample ID:	P4518-05DL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	73.9	
Sample Wt/Vol:	30.1	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067558.D	5	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	18.0		2.56	6.74	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	163	E	1.62	4.50	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	170	E	2.02	6.74	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	19.1		5.39	8.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.8		12.1	13.5	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	6.98		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-05DL	Acq On:	29 Oct 2024 12:38
Client Sample ID:	EX-5-TPH-5DL	Operator:	YP/AJ
Data file:	FC067558.D	Misc:	
Instrument:	FID_C	ALS Vial:	32
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	5423586	40.035	300	ug/ml
Aliphatic C12-C16	6.454	9.842	47886419	363.653	200	ug/ml
Aliphatic C16-C21	9.843	13.200	48335550	379.892	300	ug/ml
Aliphatic C21-C28	13.201	16.853	5105772	42.516	400	ug/ml
Aliphatic C28-C40	16.854	21.695	6473877	64.039	600	ug/ml
Aliphatic EPH	3.173	21.695	113225204	890.135		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	753880	6.98		ug/ml
Aliphatic C9-C28	3.173	16.853	106751327	826.096	1200	ug/ml

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-5DL	SDG No.:	P4518
Lab Sample ID:	P4518-05DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	73.9
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048617.D	5	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.91		2.02	4.50	mg/kg
Aromatic C12-C16	Aromatic C12-C16	56.9		2.29	6.74	mg/kg
Aromatic C16-C21	Aromatic C16-C21	178		6.47	11.2	mg/kg
Aromatic C21-C36	Aromatic C21-C36	24.2		13.5	18.0	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	9.62		40 - 140	96%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	8.42		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	5.61		40 - 140	56%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4518-05DL	Acq On:	29 Oct 2024 10:46
Client Sample ID:	EX-5-TPH-5DL	Operator:	YP/AJ
Data file:	FD048617.D	Misc:	
Instrument:	FID_D	ALS Vial:	78
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.094	5.812	1923642	10.917	200	ug/ml
Aromatic C12-C16	5.813	8.417	22431984	126.539	300	ug/ml
Aromatic C16-C21	8.418	12.677	65133791	397.563	500	ug/ml
Aromatic C21-C36	12.678	18.081	8227632	53.876	800	ug/ml
Aromatic EPH	4.094	18.081	97717049	588.896		ug/ml
2-Bromonaphthalene (SURR)	7.370	7.370	1460481	9.62		ug/ml
2-Fluorobiphenyl (SURR)	8.221	8.221	826716	8.42		ug/ml
ortho-Terphenyl (SURR)	11.254	11.254	956273	5.61		ug/ml

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-5DL2	SDG No.:	P4518
Lab Sample ID:	P4518-05DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	73.9
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067559.D	20	10/25/24	10/29/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	22.6	J	10.3	27.0	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	201		6.47	18.0	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	208		8.09	27.0	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	20.1	J	21.6	36.0	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	43.2	J	48.6	53.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	1.91		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-05DL2	Acq On:	29 Oct 2024 13:15
Client Sample ID:	EX-5-TPH-5DL2	Operator:	YP/AJ
Data file:	FC067559.D	Misc:	
Instrument:	FID_C	ALS Vial:	33
Dilution Factor:	20	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.173	6.453	1702872	12.57	300	ug/ml
Aliphatic C12-C16	6.454	9.842	14748799	112.003	200	ug/ml
Aliphatic C16-C21	9.843	13.200	14783146	116.188	300	ug/ml
Aliphatic C21-C28	13.201	16.853	1341448	11.17	400	ug/ml
Aliphatic C28-C40	16.854	21.695	2426613	24.004	600	ug/ml
Aliphatic EPH	3.173	21.695	35002878	275.935		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.930	12.930	205823	1.91		ug/ml
Aliphatic C9-C28	3.173	16.853	32576265	251.931	1200	ug/ml

LAB CHRONICLE

OrderID:	P4518	OrderDate:	10/23/2024 3:37:00 PM
Client:	ENTACT	Project:	North Point
Contact:	Wyatt Seel	Location:	K61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4518-01	EX-5-TPH-1	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/24/24	
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
			EPH	NJEPH		10/25/24	10/25/24	
			EPH	NJEPH		10/25/24	10/28/24	
P4518-02	EX-5-TPH-2	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/24/24	
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
			EPH	NJEPH		10/25/24	10/25/24	
			EPH	NJEPH		10/25/24	10/28/24	
			EPH	NJEPH		10/25/24	10/29/24	
P4518-03	EX-5-TPH-3	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/24/24	
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
			EPH	NJEPH		10/25/24	10/25/24	
			EPH	NJEPH		10/25/24	10/29/24	
P4518-04	EX-5-TPH-4	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/24/24	
			Diesel Range Organics	8015D		10/24/24	10/25/24	
			Gasoline Range Organics	8015D			10/25/24	
			EPH	NJEPH		10/25/24	10/25/24	
			EPH	NJEPH		10/25/24	10/29/24	
P4518-05	EX-5-TPH-5	SOIL			10/23/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/24/24	

LAB CHRONICLE

Diesel Range Organics	8015D	10/24/24	10/25/24
Gasoline Range Organics	8015D		10/25/24
EPH	NJEPH	10/25/24	10/28/24
EPH	NJEPH	10/25/24	10/29/24



SHIPPING DOCUMENTS



P4518

NO. 1 OF 1

8

8.1

COMPANY INFORMATION						PROJECT INFORMATION							REQUESTED ANALYSIS/METHOD									
LOCATION		ENTACT LLC				PROJECT		North Point														
ATTN		Wyatt Seel						BILLING INFORMATION														
ADDRESS		150 Bay Street, Suite 801				BILL TO		ENTACT LLC														
		Jersey City, NJ				ADDRESS		999 Oakmont Plaza Drive Suite 300														
								Westmont, IL 60559														
PHONE		419-266-4671				PHONE		630-986-2900														
FAX						FAX					PO# E9306											
SAMPLE ID	SAMPLE DESCRIPTION		SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	SAMPLE TYPE	CONTAINER TYPE	NUMBER OF CONTAINERS TPH analysis (GRO, DRO, EPH Cat 2)									COMMENTS					
EX-5-TPH-1	TPH Sampling		10/23	1:15	Soil	G	Teracore / 8oz		2	X												
EX-5-TPH-2	TPH Sampling		10/23	1:15	Soil	G	Teracore / 8oz		2	X												
EX-5-TPH-3	TPH Sampling		10/23	1:15	Soil	G	Teracore / 8oz		2	X												
EX-5-TPH-4	TPH Sampling		10/23	1:15	Soil	G	Teracore / 8oz		2	X												
EX-5-TPH-5	TPH Sampling		10/23	1:15	Soil	G	Teracore / 8oz		2	X												
SAMPLER		W. Seel			SHIPMENT		courier			AIRBILL												
REQUIRED TURNAROUND			☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☒ 5 DAYS ☐ 10 DAYS ☐ ROUTINE ☐ OTHER: _____																			
1. RELINQUISHED BY			DATE	2. RELINQUISHED BY			DATE	3. RELINQUISHED BY			DATE											
SIGNATURE:			10-23-24	SIGNATURE:				SIGNATURE:														
PRINTED NAME/COMPANY: <i>Austin Foreman / ENTACT</i>			15:35	PRINTED NAME/COMPANY:				PRINTED NAME/COMPANY:														
1. RECEIVED BY			DATE	2. RECEIVED BY			DATE	3. RECEIVED BY			DATE											
SIGNATURE:			10-23-24	SIGNATURE:				SIGNATURE:														
PRINTED NAME/COMPANY: <i>Cassanova</i>			15:35	PRINTED NAME/COMPANY:				PRINTED NAME/COMPANY:														

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4518	ENTA05	Order Date : 10/23/2024 3:37:00 PM	Project Mgr :
Client Name : ENTACT		Project Name : North Point	Report Type : Level 1
Client Contact : Wyatt Seel		Receive DateTime : 10/23/2024 3:35:00 PM	EDD Type : Excel NJ
Invoice Name : ENTACT		Purchase Order :	Hard Copy Date :
Invoice Contact : Wyatt Seel			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4518-01	EX-5-TPH-1	Solid	10/23/2024	13:15					
					Gasoline Range Organics		8015D	5 Bus. Days	
P4518-02	EX-5-TPH-2	Solid	10/23/2024	13:15					
					Gasoline Range Organics		8015D	5 Bus. Days	
P4518-03	EX-5-TPH-3	Solid	10/23/2024	13:15					
					Gasoline Range Organics		8015D	5 Bus. Days	
P4518-04	EX-5-TPH-4	Solid	10/23/2024	13:15					
					Gasoline Range Organics		8015D	5 Bus. Days	
P4518-05	EX-5-TPH-5	Solid	10/23/2024	13:15					
					Gasoline Range Organics		8015D	5 Bus. Days	

Relinquished By : OR

Date / Time : 10-23-24 1610

Received By : Sam

Date / Time : 10/23/24 16:10 24 86 22

Storage Area : VOA Refridgerator Room