



SAMPLE DATA

A

B

C

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	UST-1	SDG No.:	P5194
Lab Sample ID:	P5194-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/11/24 09:12	12/11/24 21:57	PB165557

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.43	U	1	0.43	1.13	mg/kg	FC067987.D
Aliphatic C12-C16	Aliphatic C12-C16	0.37	J	1	0.27	0.75	mg/kg	FC067987.D
Aliphatic C16-C21	Aliphatic C16-C21	8.48		1	0.34	1.13	mg/kg	FC067987.D
Aliphatic C21-C28	Aliphatic C21-C28	3.37		1	0.91	1.51	mg/kg	FC067987.D
Aliphatic C28-C40	Aliphatic C28-C40	17.2		1	2.04	2.26	mg/kg	FC067987.D
Aromatic C10-C12	Aromatic C10-C12	0.34	U	1	0.34	0.75	mg/kg	FD048876.D
Aromatic C12-C16	Aromatic C12-C16	0.39	U	1	0.39	1.13	mg/kg	FD048876.D
Aromatic C16-C21	Aromatic C16-C21	1.24	J	1	1.09	1.89	mg/kg	FD048876.D
Aromatic C21-C36	Aromatic C21-C36	4.04		1	2.26	3.02	mg/kg	FD048876.D
Total AliphaticEPH	Total AliphaticEPH	29.4			3.99	6.78	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.28	J		4.08	6.79	mg/kg	
Total EPH	Total EPH	34.7			8.06	13.6	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:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	UST-1	SDG No.:	P5194
Lab Sample ID:	P5194-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067987.D	1	12/11/24	12/11/24	PB165557

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.43	U	0.43	1.13	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.37	J	0.27	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.48		0.34	1.13	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	3.37		0.91	1.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.2		2.04	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	63.2		40 - 140	126%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5194-01	Acq On:	11 Dec 2024 21:57
Client Sample ID:	UST-1	Operator:	YP/AJ
Data file:	FC067987.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	3.151	6.428	369547	2.334	300	ug/ml
Aliphatic C12-C16	6.429	9.820	795444	4.963	200	ug/ml
Aliphatic C16-C21	9.821	13.180	17133674	112.453	300	ug/ml
Aliphatic C21-C28	13.181	16.836	6090451	44.657	400	ug/ml
Aliphatic C28-C40	16.837	21.674	24207343	228.447	600	ug/ml
Aliphatic EPH	3.151	21.674	48596459	392.855		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.915	12.915	8067094	63.22		ug/ml
Aliphatic C9-C28	3.151	16.836	24389116	164.407	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	UST-1	SDG No.:	P5194
Lab Sample ID:	P5194-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048876.D	1	12/11/24	12/11/24	PB165557

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.34	U	0.34	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.39	U	0.39	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.24	J	1.09	1.89	mg/kg
Aromatic C21-C36	Aromatic C21-C36	4.04		2.26	3.02	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	46.7		40 - 140	93%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	49.0		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.2		40 - 140	48%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P5194-01	Acq On:	11 Dec 2024 21:57
Client Sample ID:	UST-1	Operator:	YP/AJ
Data file:	FD048876.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	4.086	5.804	574566	3.021	200	ug/ml
Aromatic C12-C16	5.805	8.409	801429	4.311	300	ug/ml
Aromatic C16-C21	8.410	12.673	2778914	16.393	500	ug/ml
Aromatic C21-C36	12.674	18.083	7581988	53.549	800	ug/ml
Aromatic EPH	4.086	18.083	11736897	77.274		ug/ml
ortho-Terphenyl (SURR)	11.248	11.248	4298913	24.2		ug/ml
2-Bromonaphthalene (SURR)	7.364	7.364	7866656	46.7		ug/ml
2-Flurobiphenyl (SURR)	8.213	8.213	5059178	48.97		ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	UST-2	SDG No.:	P5194
Lab Sample ID:	P5194-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/11/24 09:12	12/12/24 0:21	PB165557

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.45	J	1	0.42	1.09	mg/kg	FC067991.D
Aliphatic C12-C16	Aliphatic C12-C16	0.73		1	0.26	0.73	mg/kg	FC067991.D
Aliphatic C16-C21	Aliphatic C16-C21	8.59		1	0.33	1.09	mg/kg	FC067991.D
Aliphatic C21-C28	Aliphatic C21-C28	5.26		1	0.88	1.46	mg/kg	FC067991.D
Aliphatic C28-C40	Aliphatic C28-C40	42.4		1	1.97	2.19	mg/kg	FC067991.D
Aromatic C10-C12	Aromatic C10-C12	0.33	U	1	0.33	0.73	mg/kg	FD048880.D
Aromatic C12-C16	Aromatic C12-C16	0.37	U	1	0.37	1.09	mg/kg	FD048880.D
Aromatic C16-C21	Aromatic C16-C21	1.24	J	1	1.05	1.82	mg/kg	FD048880.D
Aromatic C21-C36	Aromatic C21-C36	5.37		1	2.19	2.92	mg/kg	FD048880.D
Total AliphaticEPH	Total AliphaticEPH	57.4			3.85	6.56	mg/kg	
Total AromaticEPH	Total AromaticEPH	6.61			3.94	6.56	mg/kg	
Total EPH	Total EPH	64.0			7.79	13.1	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:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	UST-2	SDG No.:	P5194
Lab Sample ID:	P5194-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
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
FC067991.D	1	12/11/24	12/12/24	PB165557

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.45	J	0.42	1.09	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.73		0.26	0.73	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.59		0.33	1.09	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	5.26		0.88	1.46	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	42.4		1.97	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.5		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5194-02	Acq On:	12 Dec 2024 00:21
Client Sample ID:	UST-2	Operator:	YP/AJ
Data file:	FC067991.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.428	982183	6.204	300	ug/ml
Aliphatic C12-C16	6.429	9.820	1612440	10.06	200	ug/ml
Aliphatic C16-C21	9.821	13.180	17935838	117.718	300	ug/ml
Aliphatic C21-C28	13.181	16.836	9837034	72.127	400	ug/ml
Aliphatic C28-C40	16.837	21.674	61578956	581.127	600	ug/ml
Aliphatic EPH	3.151	21.674	91946451	787.238		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.915	12.915	5811393	45.55		ug/ml
Aliphatic C9-C28	3.151	16.836	30367495	206.109	1200	ug/ml

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	UST-2	SDG No.:	P5194
Lab Sample ID:	P5194-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
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
FD048880.D	1	12/11/24	12/12/24	PB165557

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.33	U	0.33	0.73	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.37	U	0.37	1.09	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.24	J	1.05	1.82	mg/kg
Aromatic C21-C36	Aromatic C21-C36	5.37		2.19	2.92	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.9		40 - 140	112%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	59.1		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.8		40 - 140	58%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P5194-02	Acq On:	12 Dec 2024 00:21
Client Sample ID:	UST-2	Operator:	YP/AJ
Data file:	FD048880.D	Misc:	
Instrument:	FID_D	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.086	5.804	595027	3.128	200	ug/ml
Aromatic C12-C16	5.805	8.409	946315	5.091	300	ug/ml
Aromatic C16-C21	8.410	12.673	2872448	16.945	500	ug/ml
Aromatic C21-C36	12.674	18.083	10434782	73.698	800	ug/ml
Aromatic EPH	4.086	18.083	14848572	98.862		ug/ml
ortho-Terphenyl (SURR)	11.250	11.250	5108635	28.75		ug/ml
2-Bromonaphthalene (SURR)	7.365	7.365	9421246	55.93		ug/ml
2-Flurobiphenyl (SURR)	8.215	8.215	6110604	59.15		ug/ml

LAB CHRONICLE

OrderID:	P5194	OrderDate:	12/6/2024 3:08:24 PM
Client:	JPCL Engineering	Project:	1454 to 1460 Haddon Avenue, Camden, NJ
Contact:	Paul Rotondi	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5194-01	UST-1	SOIL			12/05/24			12/06/24
			Diesel Range Organics	8015D		12/11/24	12/11/24	
			EPH	NJEPH		12/11/24	12/11/24	
P5194-02	UST-2	SOIL			12/05/24			12/06/24
			Diesel Range Organics	8015D		12/11/24	12/11/24	
			EPH	NJEPH		12/11/24	12/12/24	