

Hit Summary Sheet
SW-846

SDG No.: P5194

Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: P5194-04	WP-2 WP-2	SOIL	Acetone	17.3	J	7.40	29.5	ug/Kg
			Total Voc :	17.3				
			Total Concentration:	17.3				



SAMPLE DATA

A

B

C

D

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:	WP-1	SDG No.:	P5194
Lab Sample ID:	P5194-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020575.D	1		12/10/24 17:43	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.80	U	1.80	5.50	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.50	ug/Kg
75-01-4	Vinyl Chloride	0.85	U	0.85	5.50	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.50	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.86	U	0.86	5.50	ug/Kg
67-64-1	Acetone	6.90	U	6.90	27.5	ug/Kg
75-15-0	Carbon Disulfide	1.40	U	1.40	5.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.74	U	0.74	5.50	ug/Kg
79-20-9	Methyl Acetate	2.00	U	2.00	5.50	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	11.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.92	U	0.92	5.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.69	U	0.69	5.50	ug/Kg
110-82-7	Cyclohexane	0.76	U	0.76	5.50	ug/Kg
78-93-3	2-Butanone	6.20	U	6.20	27.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.96	U	0.96	5.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.67	U	0.67	5.50	ug/Kg
74-97-5	Bromochloromethane	2.70	U	2.70	5.50	ug/Kg
67-66-3	Chloroform	0.74	U	0.74	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.86	U	0.86	5.50	ug/Kg
108-87-2	Methylcyclohexane	0.96	U	0.96	5.50	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.67	U	0.67	5.50	ug/Kg
79-01-6	Trichloroethene	0.82	U	0.82	5.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	5.50	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	5.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.80	U	4.80	27.5	ug/Kg
108-88-3	Toluene	0.74	U	0.74	5.50	ug/Kg

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:	WP-1	SDG No.:	P5194
Lab Sample ID:	P5194-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020575.D	1		12/10/24 17:43	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.66	U	0.66	5.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.50	ug/Kg
591-78-6	2-Hexanone	5.30	U	5.30	27.5	ug/Kg
124-48-1	Dibromochloromethane	0.71	U	0.71	5.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.87	U	0.87	5.50	ug/Kg
127-18-4	Tetrachloroethene	0.98	U	0.98	5.50	ug/Kg
108-90-7	Chlorobenzene	0.81	U	0.81	5.50	ug/Kg
100-41-4	Ethyl Benzene	0.68	U	0.68	5.50	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	11.0	ug/Kg
95-47-6	o-Xylene	0.77	U	0.77	5.50	ug/Kg
100-42-5	Styrene	0.66	U	0.66	5.50	ug/Kg
75-25-2	Bromoform	0.89	U	0.89	5.50	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	5.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.81	U	0.81	5.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.88	U	0.88	5.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.65	U	0.65	5.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	5.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.87	U	0.87	5.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.86	U	0.86	5.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.3		50 - 163	127%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		54 - 147	106%	SPK: 50
2037-26-5	Toluene-d8	50.8		58 - 134	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		29 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	97200	7.707			
540-36-3	1,4-Difluorobenzene	167000	8.615			
3114-55-4	Chlorobenzene-d5	147000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	59500	13.346			

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:	WP-1	SDG No.:	P5194
Lab Sample ID:	P5194-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020575.D	1		12/10/24 17:43	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-2	SDG No.:	P5194
Lab Sample ID:	P5194-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	4.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020576.D	1		12/10/24 18:06	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.90	U	1.90	5.90	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	5.90	ug/Kg
75-01-4	Vinyl Chloride	0.91	U	0.91	5.90	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.90	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	5.90	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	5.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	5.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.92	U	0.92	5.90	ug/Kg
67-64-1	Acetone	17.3	J	7.40	29.5	ug/Kg
75-15-0	Carbon Disulfide	1.50	U	1.50	5.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.79	U	0.79	5.90	ug/Kg
79-20-9	Methyl Acetate	2.10	U	2.10	5.90	ug/Kg
75-09-2	Methylene Chloride	4.00	U	4.00	11.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.99	U	0.99	5.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.74	U	0.74	5.90	ug/Kg
110-82-7	Cyclohexane	0.81	U	0.81	5.90	ug/Kg
78-93-3	2-Butanone	6.70	U	6.70	29.5	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.72	U	0.72	5.90	ug/Kg
74-97-5	Bromochloromethane	2.90	U	2.90	5.90	ug/Kg
67-66-3	Chloroform	0.79	U	0.79	5.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.92	U	0.92	5.90	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.90	ug/Kg
71-43-2	Benzene	0.85	U	0.85	5.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.72	U	0.72	5.90	ug/Kg
79-01-6	Trichloroethene	0.88	U	0.88	5.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.78	U	0.78	5.90	ug/Kg
75-27-4	Bromodichloromethane	0.66	U	0.66	5.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.10	U	5.10	29.5	ug/Kg
108-88-3	Toluene	0.79	U	0.79	5.90	ug/Kg

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:	WP-2	SDG No.:	P5194
Lab Sample ID:	P5194-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	4.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020576.D	1		12/10/24 18:06	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.71	U	0.71	5.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.99	U	0.99	5.90	ug/Kg
591-78-6	2-Hexanone	5.60	U	5.60	29.5	ug/Kg
124-48-1	Dibromochloromethane	0.77	U	0.77	5.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.93	U	0.93	5.90	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	5.90	ug/Kg
108-90-7	Chlorobenzene	0.87	U	0.87	5.90	ug/Kg
100-41-4	Ethyl Benzene	0.73	U	0.73	5.90	ug/Kg
179601-23-1	m/p-Xylenes	1.60	U	1.60	11.8	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.90	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.90	ug/Kg
75-25-2	Bromoform	0.95	U	0.95	5.90	ug/Kg
98-82-8	Isopropylbenzene	0.79	U	0.79	5.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.87	U	0.87	5.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.94	U	0.94	5.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.70	U	0.70	5.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.93	U	0.93	5.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.92	U	0.92	5.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.3		50 - 163	115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		54 - 147	101%	SPK: 50
2037-26-5	Toluene-d8	50.8		58 - 134	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2		29 - 146	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	155000	7.707			
540-36-3	1,4-Difluorobenzene	268000	8.61			
3114-55-4	Chlorobenzene-d5	231000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	95000	13.347			

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:	WP-2	SDG No.:	P5194
Lab Sample ID:	P5194-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	4.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020576.D	1		12/10/24 18:06	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-3	SDG No.:	P5194
Lab Sample ID:	P5194-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020577.D	1		12/10/24 18:30	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.80	U	1.80	5.60	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.60	ug/Kg
75-01-4	Vinyl Chloride	0.86	U	0.86	5.60	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.60	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.60	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.87	U	0.87	5.60	ug/Kg
67-64-1	Acetone	6.90	U	6.90	27.8	ug/Kg
75-15-0	Carbon Disulfide	1.40	U	1.40	5.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.75	U	0.75	5.60	ug/Kg
79-20-9	Methyl Acetate	2.00	U	2.00	5.60	ug/Kg
75-09-2	Methylene Chloride	3.80	U	3.80	11.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.93	U	0.93	5.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.70	U	0.70	5.60	ug/Kg
110-82-7	Cyclohexane	0.77	U	0.77	5.60	ug/Kg
78-93-3	2-Butanone	6.30	U	6.30	27.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	5.60	ug/Kg
74-97-5	Bromochloromethane	2.70	U	2.70	5.60	ug/Kg
67-66-3	Chloroform	0.75	U	0.75	5.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.87	U	0.87	5.60	ug/Kg
108-87-2	Methylcyclohexane	0.97	U	0.97	5.60	ug/Kg
71-43-2	Benzene	0.80	U	0.80	5.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.68	U	0.68	5.60	ug/Kg
79-01-6	Trichloroethene	0.83	U	0.83	5.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	5.60	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	5.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.80	U	4.80	27.8	ug/Kg
108-88-3	Toluene	0.75	U	0.75	5.60	ug/Kg

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:	WP-3	SDG No.:	P5194
Lab Sample ID:	P5194-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020577.D	1		12/10/24 18:30	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.67	U	0.67	5.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.93	U	0.93	5.60	ug/Kg
591-78-6	2-Hexanone	5.30	U	5.30	27.8	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	5.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.60	ug/Kg
127-18-4	Tetrachloroethene	0.99	U	0.99	5.60	ug/Kg
108-90-7	Chlorobenzene	0.82	U	0.82	5.60	ug/Kg
100-41-4	Ethyl Benzene	0.69	U	0.69	5.60	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	11.1	ug/Kg
95-47-6	o-Xylene	0.78	U	0.78	5.60	ug/Kg
100-42-5	Styrene	0.67	U	0.67	5.60	ug/Kg
75-25-2	Bromoform	0.90	U	0.90	5.60	ug/Kg
98-82-8	Isopropylbenzene	0.75	U	0.75	5.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.82	U	0.82	5.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.89	U	0.89	5.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.66	U	0.66	5.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	5.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.88	U	0.88	5.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.87	U	0.87	5.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.5		50 - 163	119%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		54 - 147	103%	SPK: 50
2037-26-5	Toluene-d8	50.7		58 - 134	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2		29 - 146	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	145000	7.707			
540-36-3	1,4-Difluorobenzene	255000	8.61			
3114-55-4	Chlorobenzene-d5	224000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	90600	13.347			

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:	WP-3	SDG No.:	P5194
Lab Sample ID:	P5194-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020577.D	1		12/10/24 18:30	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-4	SDG No.:	P5194
Lab Sample ID:	P5194-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.51 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020574.D	1		12/10/24 17:20	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.90	U	1.90	5.70	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.70	ug/Kg
75-01-4	Vinyl Chloride	0.88	U	0.88	5.70	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.70	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.89	U	0.89	5.70	ug/Kg
67-64-1	Acetone	7.10	U	7.10	28.5	ug/Kg
75-15-0	Carbon Disulfide	1.50	U	1.50	5.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.76	U	0.76	5.70	ug/Kg
79-20-9	Methyl Acetate	2.00	U	2.00	5.70	ug/Kg
75-09-2	Methylene Chloride	3.90	U	3.90	11.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.96	U	0.96	5.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.72	U	0.72	5.70	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.70	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	28.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	0.99	5.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.69	U	0.69	5.70	ug/Kg
74-97-5	Bromochloromethane	2.80	U	2.80	5.70	ug/Kg
67-66-3	Chloroform	0.76	U	0.76	5.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.89	U	0.89	5.70	ug/Kg
108-87-2	Methylcyclohexane	0.99	U	0.99	5.70	ug/Kg
71-43-2	Benzene	0.82	U	0.82	5.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.69	U	0.69	5.70	ug/Kg
79-01-6	Trichloroethene	0.85	U	0.85	5.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.75	U	0.75	5.70	ug/Kg
75-27-4	Bromodichloromethane	0.64	U	0.64	5.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.00	U	5.00	28.5	ug/Kg
108-88-3	Toluene	0.76	U	0.76	5.70	ug/Kg

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:	WP-4	SDG No.:	P5194
Lab Sample ID:	P5194-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.51 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020574.D	1		12/10/24 17:20	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.68	U	0.68	5.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.65	U	0.65	5.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.96	U	0.96	5.70	ug/Kg
591-78-6	2-Hexanone	5.50	U	5.50	28.5	ug/Kg
124-48-1	Dibromochloromethane	0.74	U	0.74	5.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.90	U	0.90	5.70	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	5.70	ug/Kg
108-90-7	Chlorobenzene	0.84	U	0.84	5.70	ug/Kg
100-41-4	Ethyl Benzene	0.71	U	0.71	5.70	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	11.4	ug/Kg
95-47-6	o-Xylene	0.80	U	0.80	5.70	ug/Kg
100-42-5	Styrene	0.68	U	0.68	5.70	ug/Kg
75-25-2	Bromoform	0.92	U	0.92	5.70	ug/Kg
98-82-8	Isopropylbenzene	0.76	U	0.76	5.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.84	U	0.84	5.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.91	U	0.91	5.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.90	U	0.90	5.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.89	U	0.89	5.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.8		50 - 163	112%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		54 - 147	102%	SPK: 50
2037-26-5	Toluene-d8	49.8		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		29 - 146	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	151000	7.707			
540-36-3	1,4-Difluorobenzene	263000	8.61			
3114-55-4	Chlorobenzene-d5	223000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	90400	13.347			

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:	WP-4	SDG No.:	P5194
Lab Sample ID:	P5194-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.51 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020574.D	1		12/10/24 17:20	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
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 M = MS/MSD acceptance criteria did not meet requirements

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

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
P5194-03	WP-1	SOIL	VOC-TCLVOA-10	8260D	12/05/24		12/10/24	12/06/24
P5194-04	WP-2	SOIL	VOC-TCLVOA-10	8260D	12/05/24		12/10/24	12/06/24
P5194-05	WP-3	SOIL	VOC-TCLVOA-10	8260D	12/05/24		12/10/24	12/06/24
P5194-06	WP-4	SOIL	VOC-TCLVOA-10	8260D	12/05/24		12/10/24	12/06/24



A

B

C

SAMPLE DATA

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:	SOIL
Analytical Method:	8015D DRO	% Solid:	88.1
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
FG014965.D	10	12/11/24 09:15	12/11/24 12:22	PB165556

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	125000		2090	18900	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	0.58	*	37 - 130	29%	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:	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:	SOIL
Analytical Method:	8015D DRO	% Solid:	91.2
Sample Wt/Vol:	30.02	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
FG014966.D	10	12/11/24 09:15	12/11/24 12:50	PB165556

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	294000		2030	18300	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	1.38		37 - 130	69%	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:	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	



A

B

C

SAMPLE DATA

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-Fluorobiphenyl (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	