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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140622.D	1	11/16/24 08:51	11/25/24 23:48	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	85.7	U	85.7	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	86.5	U	86.5	180	ug/Kg
95-57-8	2-Chlorophenol	86.3	U	86.3	180	ug/Kg
95-48-7	2-Methylphenol	83.3	U	83.3	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.9	U	93.9	180	ug/Kg
98-86-2	Acetophenone	89.8	U	89.8	180	ug/Kg
65794-96-9	3+4-Methylphenols	82.5	U	82.5	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.6	U	41.6	82.7	ug/Kg
67-72-1	Hexachloroethane	85.8	U	85.8	180	ug/Kg
98-95-3	Nitrobenzene	93.8	U	93.8	180	ug/Kg
78-59-1	Isophorone	87.4	U	87.4	180	ug/Kg
88-75-5	2-Nitrophenol	97.7	U	97.7	180	ug/Kg
105-67-9	2,4-Dimethylphenol	96.3	U	96.3	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	88.7	U	88.7	180	ug/Kg
120-83-2	2,4-Dichlorophenol	78.0	U	78.0	180	ug/Kg
91-20-3	Naphthalene	85.4	U	85.4	180	ug/Kg
106-47-8	4-Chloroaniline	85.4	UQ	85.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	86.1	U	86.1	180	ug/Kg
105-60-2	Caprolactam	89.7	U	89.7	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	80.1	U	80.1	180	ug/Kg
91-57-6	2-Methylnaphthalene	85.3	U	85.3	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.8	U	73.8	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.5	U	76.5	180	ug/Kg
92-52-4	1,1-Biphenyl	90.3	U	90.3	180	ug/Kg
91-58-7	2-Chloronaphthalene	86.1	U	86.1	180	ug/Kg
88-74-4	2-Nitroaniline	98.2	U	98.2	180	ug/Kg
131-11-3	Dimethylphthalate	84.4	U	84.4	180	ug/Kg

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140622.D	1	11/16/24 08:51	11/25/24 23:48	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	89.4	U	89.4	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	86.0	U	86.0	180	ug/Kg
99-09-2	3-Nitroaniline	92.2	UQ	92.2	180	ug/Kg
83-32-9	Acenaphthene	83.8	U	83.8	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	87.2	U	87.2	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	89.1	U	89.1	180	ug/Kg
84-66-2	Diethylphthalate	82.8	U	82.8	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	88.5	U	88.5	180	ug/Kg
86-73-7	Fluorene	88.4	U	88.4	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	84.3	U	84.3	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	81.5	U	81.5	180	ug/Kg
118-74-1	Hexachlorobenzene	87.8	U	87.8	180	ug/Kg
1912-24-9	Atrazine	94.5	U	94.5	180	ug/Kg
87-86-5	Pentachlorophenol	79.9	U	79.9	340	ug/Kg
85-01-8	Phenanthrene	86.8	U	86.8	180	ug/Kg
120-12-7	Anthracene	87.2	U	87.2	180	ug/Kg
86-74-8	Carbazole	83.0	U	83.0	180	ug/Kg
84-74-2	Di-n-butylphthalate	87.1	U	87.1	180	ug/Kg
206-44-0	Fluoranthene	84.4	U	84.4	180	ug/Kg
129-00-0	Pyrene	85.8	U	85.8	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	83.4	U	83.4	180	ug/Kg
218-01-9	Chrysene	82.2	U	82.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.8	J	94.0	180	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.8	U	83.8	180	ug/Kg

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140622.D	1	11/16/24 08:51	11/25/24 23:48	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	85.4	U	85.4	180	ug/Kg
50-32-8	Benzo(a)pyrene	96.1	U	96.1	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	80.7	U	80.7	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	83.9	U	83.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	82.8	U	82.8	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.7	U	89.7	180	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	77.2	U	77.2	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	110		30 (18) - 130 (112)	74%	SPK: 150
13127-88-3	Phenol-d6	108		30 (15) - 130 (107)	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.3		30 (18) - 130 (107)	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.4		30 (20) - 130 (109)	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	109		30 (10) - 130 (116)	73%	SPK: 150
1718-51-0	Terphenyl-d14	69.3		30 (10) - 130 (105)	69%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	57900	6.869			
1146-65-2	Naphthalene-d8	212000	8.151			
15067-26-2	Acenaphthene-d10	115000	9.904			
1517-22-2	Phenanthrene-d10	211000	11.392			
1719-03-5	Chrysene-d12	124000	14.045			
1520-96-3	Perylene-d12	108000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	510	J		10.6	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	82.3	J		10.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	180	J		11.9	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	84.4	J		12.6	ug/Kg
007683-64-9	Supraene	100	J		14.9	ug/Kg
000630-01-3	Hexacosane	130	J		15.2	ug/Kg
000516-92-7	Cholestan-3-ol, (3.alpha.,5.beta.)	530	J		16.3	ug/Kg

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

Report of Analysis

Client:	Tetra Tech			Date Collected:	11/14/24
Project:	Ocean County Landfill 2024			Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002			SDG No.:	P4860
Lab Sample ID:	P4860-03			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	96.6
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140622.D	1	11/16/24 08:51	11/25/24 23:48	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000601-53-6	Cholestan-3-one, (5.beta.)-	390	J		16.4	ug/Kg
	unknown17.068	98.5	J		17.1	ug/Kg
	unknown17.657	110	J		17.7	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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