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-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.6
Sample Wt/Vol:	30.03 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
BF140641.D	1	11/16/24 08:51	11/26/24 14:55	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	84.9	U	84.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	85.7	U	85.7	170	ug/Kg
95-57-8	2-Chlorophenol	85.5	U	85.5	170	ug/Kg
95-48-7	2-Methylphenol	82.5	U	82.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.0	U	93.0	170	ug/Kg
98-86-2	Acetophenone	88.9	U	88.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	81.7	U	81.7	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.2	U	41.2	81.9	ug/Kg
67-72-1	Hexachloroethane	85.0	U	85.0	170	ug/Kg
98-95-3	Nitrobenzene	92.9	U	92.9	170	ug/Kg
78-59-1	Isophorone	86.6	U	86.6	170	ug/Kg
88-75-5	2-Nitrophenol	96.7	U	96.7	170	ug/Kg
105-67-9	2,4-Dimethylphenol	95.4	U	95.4	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	87.8	U	87.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	77.3	U	77.3	170	ug/Kg
91-20-3	Naphthalene	84.5	U	84.5	170	ug/Kg
106-47-8	4-Chloroaniline	84.5	UQ	84.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	85.3	U	85.3	170	ug/Kg
105-60-2	Caprolactam	88.8	U	88.8	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	79.3	U	79.3	170	ug/Kg
91-57-6	2-Methylnaphthalene	84.4	U	84.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.1	U	73.1	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.7	U	75.7	170	ug/Kg
92-52-4	1,1-Biphenyl	89.5	U	89.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	85.3	U	85.3	170	ug/Kg
88-74-4	2-Nitroaniline	97.2	U	97.2	170	ug/Kg
131-11-3	Dimethylphthalate	83.6	U	83.6	170	ug/Kg

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Lab Sample ID:	P4860-10	Matrix:	SOIL
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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	88.5	U	88.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.2	U	85.2	170	ug/Kg
99-09-2	3-Nitroaniline	91.3	UQ	91.3	170	ug/Kg
83-32-9	Acenaphthene	83.0	U	83.0	170	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	86.4	U	86.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	88.2	U	88.2	170	ug/Kg
84-66-2	Diethylphthalate	82.0	U	82.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	87.6	U	87.6	170	ug/Kg
86-73-7	Fluorene	87.5	U	87.5	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	83.5	U	83.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80.8	U	80.8	170	ug/Kg
118-74-1	Hexachlorobenzene	87.0	U	87.0	170	ug/Kg
1912-24-9	Atrazine	93.6	U	93.6	170	ug/Kg
87-86-5	Pentachlorophenol	79.1	U	79.1	340	ug/Kg
85-01-8	Phenanthrene	86.0	U	86.0	170	ug/Kg
120-12-7	Anthracene	86.4	U	86.4	170	ug/Kg
86-74-8	Carbazole	82.2	U	82.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	86.3	U	86.3	170	ug/Kg
206-44-0	Fluoranthene	83.6	U	83.6	170	ug/Kg
129-00-0	Pyrene	85.0	U	85.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	99.1	U	99.1	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	82.6	U	82.6	170	ug/Kg
218-01-9	Chrysene	81.4	U	81.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	93.1	U	93.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.0	U	83.0	170	ug/Kg

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Lab Sample ID:	P4860-10	Matrix:	SOIL
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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
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207-08-9	Benzo(k)fluoranthene	84.5	U	84.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	95.2	U	95.2	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.9	U	79.9	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	83.1	U	83.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	82.0	U	82.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.8	U	88.8	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	76.5	U	76.5	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	84.1		30 (18) - 130 (112)	56%	SPK: 150
13127-88-3	Phenol-d6	85.6		30 (15) - 130 (107)	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.1		30 (18) - 130 (107)	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.2		30 (20) - 130 (109)	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	74.0		30 (10) - 130 (116)	49%	SPK: 150
1718-51-0	Terphenyl-d14	68.4		30 (10) - 130 (105)	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	73400	6.869			
1146-65-2	Naphthalene-d8	270000	8.151			
15067-26-2	Acenaphthene-d10	140000	9.904			
1517-22-2	Phenanthrene-d10	253000	11.398			
1719-03-5	Chrysene-d12	141000	14.045			
1520-96-3	Perylene-d12	153000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1100	JB		2.12	ug/Kg
000119-61-9	Benzophenone	330	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	170	J		11.9	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	81.9	J		12.6	ug/Kg
1000406-33-2	Isobutyl tetracosyl ether	280	J		13.9	ug/Kg
000629-94-7	Heneicosane	79.8	J		14.2	ug/Kg
000638-68-6	Triacontane	140	J		14.5	ug/Kg

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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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001560-98-1	Octacosane, 2-methyl-	74.7	J		14.8	ug/Kg
000112-95-8	Eicosane	100	J		15.2	ug/Kg
	unknown16.245	230	J		16.2	ug/Kg
015600-08-5	Cholestan-3-one	220	J		16.4	ug/Kg
	unknown16.498	75.7	J		16.5	ug/Kg
	unknown17.439	77.4	J		17.4	ug/Kg
	unknown17.651	70.6	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