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

Report of Analysis

Client:	PSEG	Date Collected:	02/21/25
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	02/21/25
Client Sample ID:	HR-02-02212025	SDG No.:	Q1411
Lab Sample ID:	Q1411-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	50.07 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
BF141753.D	1	02/24/25 09:45	02/24/25 19:35	PB166840

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.12	U	0.12	0.21	mg/Kg
108-95-2	Phenol	0.053	U	0.053	0.11	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.054	U	0.054	0.11	mg/Kg
95-57-8	2-Chlorophenol	0.054	U	0.054	0.11	mg/Kg
95-48-7	2-Methylphenol	0.052	U	0.052	0.11	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.058	U	0.058	0.11	mg/Kg
98-86-2	Acetophenone	0.056	U	0.056	0.11	mg/Kg
65794-96-9	3+4-Methylphenols	0.051	U	0.051	0.21	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.026	U	0.026	0.051	mg/Kg
67-72-1	Hexachloroethane	0.053	U	0.053	0.11	mg/Kg
98-95-3	Nitrobenzene	0.058	U	0.058	0.11	mg/Kg
78-59-1	Isophorone	0.054	U	0.054	0.11	mg/Kg
88-75-5	2-Nitrophenol	0.061	U	0.061	0.11	mg/Kg
105-67-9	2,4-Dimethylphenol	0.060	U	0.060	0.11	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.055	U	0.055	0.11	mg/Kg
120-83-2	2,4-Dichlorophenol	0.048	U	0.048	0.11	mg/Kg
91-20-3	Naphthalene	0.053	U	0.053	0.11	mg/Kg
106-47-8	4-Chloroaniline	0.053	U	0.053	0.11	mg/Kg
87-68-3	Hexachlorobutadiene	0.053	U	0.053	0.11	mg/Kg
105-60-2	Caprolactam	0.056	U	0.056	0.21	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.050	U	0.050	0.11	mg/Kg
91-57-6	2-Methylnaphthalene	0.053	U	0.053	0.11	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.10	U	0.10	0.21	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.046	U	0.046	0.11	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.047	U	0.047	0.11	mg/Kg
92-52-4	1,1-Biphenyl	0.056	U	0.056	0.11	mg/Kg
91-58-7	2-Chloronaphthalene	0.053	U	0.053	0.11	mg/Kg
88-74-4	2-Nitroaniline	0.061	U	0.061	0.11	mg/Kg
131-11-3	Dimethylphthalate	0.052	U	0.052	0.11	mg/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	0.055	U	0.055	0.11	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.053	U	0.053	0.11	mg/Kg
99-09-2	3-Nitroaniline	0.057	U	0.057	0.11	mg/Kg
83-32-9	Acenaphthene	0.052	U	0.052	0.11	mg/Kg
51-28-5	2,4-Dinitrophenol	0.16	U	0.16	0.21	mg/Kg
100-02-7	4-Nitrophenol	0.074	U	0.074	0.21	mg/Kg
132-64-9	Dibenzofuran	0.054	U	0.054	0.11	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.055	U	0.055	0.11	mg/Kg
84-66-2	Diethylphthalate	0.051	U	0.051	0.11	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.055	U	0.055	0.11	mg/Kg
86-73-7	Fluorene	0.055	U	0.055	0.11	mg/Kg
100-01-6	4-Nitroaniline	0.069	U	0.069	0.11	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.075	U	0.075	0.21	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.052	U	0.052	0.11	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.051	U	0.051	0.11	mg/Kg
118-74-1	Hexachlorobenzene	0.055	U	0.055	0.11	mg/Kg
1912-24-9	Atrazine	0.059	U	0.059	0.11	mg/Kg
87-86-5	Pentachlorophenol	0.050	U	0.050	0.21	mg/Kg
85-01-8	Phenanthrene	0.054	U	0.054	0.11	mg/Kg
120-12-7	Anthracene	0.054	U	0.054	0.11	mg/Kg
86-74-8	Carbazole	0.052	U	0.052	0.11	mg/Kg
84-74-2	Di-n-butylphthalate	0.054	U	0.054	0.11	mg/Kg
206-44-0	Fluoranthene	0.052	U	0.052	0.11	mg/Kg
129-00-0	Pyrene	0.053	U	0.053	0.11	mg/Kg
85-68-7	Butylbenzylphthalate	0.062	U	0.062	0.11	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.063	U	0.063	0.21	mg/Kg
56-55-3	Benzo(a)anthracene	0.052	U	0.052	0.11	mg/Kg
218-01-9	Chrysene	0.051	U	0.051	0.11	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.058	U	0.058	0.11	mg/Kg
117-84-0	Di-n-octyl phthalate	0.071	U	0.071	0.21	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.052	U	0.052	0.11	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.053	U	0.053	0.11	mg/Kg
50-32-8	Benzo(a)pyrene	0.060	U	0.060	0.11	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.050	U	0.050	0.11	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.052	U	0.052	0.11	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.051	U	0.051	0.11	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.056	U	0.056	0.11	mg/Kg
123-91-1	1,4-Dioxane	0.071	U	0.071	0.11	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.048	U	0.048	0.11	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	85.1		18 - 112	57%	SPK: 150
13127-88-3	Phenol-d6	77.4		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.2		18 - 107	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.0		20 - 109	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.8		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	62.7		10 - 105	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	62400	6.781			
1146-65-2	Naphthalene-d8	215000	8.063			
15067-26-2	Acenaphthene-d10	105000	9.816			
1517-22-2	Phenanthrene-d10	194000	11.304			
1719-03-5	Chrysene-d12	142000	13.939			
1520-96-3	Perylene-d12	109000	15.386			
TENTATIVE IDENTIFIED COMPOUNDS						
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	80.3	J		7.80	ug/Kg
002809-64-5	Naphthalene, 1,2,3,4-tetrahydro-5-	75.0	J		8.57	ug/Kg
000629-50-5	Tridecane	120	J		8.65	ug/Kg
013065-07-1	Naphthalene, 1,2,3,4-tetrahydro-2,	67.7	J		8.88	ug/Kg
021202-42-6	4-(1H-Imidazol-2-yl)pyridine	68.8	J		9.01	ug/Kg
031295-56-4	Dodecane, 2,6,11-trimethyl-	100	J		9.08	ug/Kg
000629-59-4	Tetradecane	230	J		9.22	ug/Kg

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000581-40-8	Naphthalene, 2,3-dimethyl-	84.2	J		9.47	ug/Kg
1000342-70-4	1-Octadecanesulphonyl chloride	140	J		9.53	ug/Kg
000629-62-9	Pentadecane	210	J		9.74	ug/Kg
000544-76-3	Hexadecane	230	J		10.2	ug/Kg
017301-22-3	Undecane, 2,5-dimethyl-	98.0	J		10.5	ug/Kg
000119-61-9	Benzophenone	110	J		10.5	ug/Kg
000629-78-7	Heptadecane	250	J		10.7	ug/Kg
035599-77-0	Tridecane, 1-iodo-	160	J		11.2	ug/Kg
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	68.8	J		11.2	ug/Kg
000629-92-5	Nonadecane	130	J		11.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	140	J		11.8	ug/Kg
000593-49-7	Heptacosane	120	J		12.0	ug/Kg
000112-95-8	Eicosane	80.7	J		12.4	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