Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	PSEG	Date Collected:	03/24/25
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	03/24/25
Client Sample ID:	HR-04-032425	SDG No.:	Q1634
Lab Sample ID:	Q1634-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
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
BF142149.D	2	03/25/25 08:50	03/28/25 03:06	PB167291

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.20	U	0.20	0.43	mg/Kg
108-95-2	Phenol	0.029	U	0.029	0.22	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.032	U	0.032	0.22	mg/Kg
95-57-8	2-Chlorophenol	0.032	U	0.032	0.22	mg/Kg
95-48-7	2-Methylphenol	0.039	U	0.039	0.22	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.049	U	0.049	0.22	mg/Kg
98-86-2	Acetophenone	0.039	U	0.039	0.22	mg/Kg
65794-96-9	3+4-Methylphenols	0.054	U	0.054	0.43	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.062	U	0.062	0.10	mg/Kg
67-72-1	Hexachloroethane	0.023	U	0.023	0.22	mg/Kg
98-95-3	Nitrobenzene	0.024	U	0.024	0.22	mg/Kg
78-59-1	Isophorone	0.043	U	0.043	0.22	mg/Kg
88-75-5	2-Nitrophenol	0.076	U	0.076	0.22	mg/Kg
105-67-9	2,4-Dimethylphenol	0.085	U	0.085	0.22	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.040	U	0.040	0.22	mg/Kg
120-83-2	2,4-Dichlorophenol	0.037	U	0.037	0.22	mg/Kg
91-20-3	Naphthalene	0.030	U	0.030	0.22	mg/Kg
106-47-8	4-Chloroaniline	0.046	U	0.046	0.22	mg/Kg
87-68-3	Hexachlorobutadiene	0.033	U	0.033	0.22	mg/Kg
105-60-2	Caprolactam	0.068	U	0.068	0.43	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.038	U	0.038	0.22	mg/Kg
91-57-6	2-Methylnaphthalene	0.034	U	0.034	0.22	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.15	U	0.15	0.43	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.026	U	0.026	0.22	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.038	U	0.038	0.22	mg/Kg
92-52-4	1,1-Biphenyl	0.029	U	0.029	0.22	mg/Kg
91-58-7	2-Chloronaphthalene	0.030	U	0.030	0.22	mg/Kg
88-74-4	2-Nitroaniline	0.063	U	0.063	0.22	mg/Kg
131-11-3	Dimethylphthalate	0.036	U	0.036	0.22	mg/Kg

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208-96-8	Acenaphthylene	0.038	U	0.038	0.22	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.044	U	0.044	0.22	mg/Kg
99-09-2	3-Nitroaniline	0.060	U	0.060	0.22	mg/Kg
83-32-9	Acenaphthene	0.028	U	0.028	0.22	mg/Kg
51-28-5	2,4-Dinitrophenol	0.30	U	0.30	0.43	mg/Kg
100-02-7	4-Nitrophenol	0.14	U	0.14	0.43	mg/Kg
132-64-9	Dibenzofuran	0.030	U	0.030	0.22	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.066	U	0.066	0.22	mg/Kg
84-66-2	Diethylphthalate	0.037	U	0.037	0.22	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.035	U	0.035	0.22	mg/Kg
86-73-7	Fluorene	0.033	U	0.033	0.22	mg/Kg
100-01-6	4-Nitroaniline	0.084	U	0.084	0.22	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.14	U	0.14	0.43	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.043	U	0.043	0.22	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.036	U	0.036	0.22	mg/Kg
118-74-1	Hexachlorobenzene	0.033	U	0.033	0.22	mg/Kg
1912-24-9	Atrazine	0.045	U	0.045	0.22	mg/Kg
87-86-5	Pentachlorophenol	0.067	U	0.067	0.43	mg/Kg
85-01-8	Phenanthrene	0.095	J	0.027	0.22	mg/Kg
120-12-7	Anthracene	0.044	U	0.044	0.22	mg/Kg
86-74-8	Carbazole	0.041	U	0.041	0.22	mg/Kg
84-74-2	Di-n-butylphthalate	0.063	U	0.063	0.22	mg/Kg
206-44-0	Fluoranthene	0.14	J	0.039	0.22	mg/Kg
129-00-0	Pyrene	0.13	J	0.047	0.22	mg/Kg
85-68-7	Butylbenzylphthalate	0.094	U	0.094	0.22	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.048	U	0.048	0.43	mg/Kg
56-55-3	Benzo(a)anthracene	0.030	U	0.030	0.22	mg/Kg
218-01-9	Chrysene	0.026	U	0.026	0.22	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.078	U	0.078	0.22	mg/Kg
117-84-0	Di-n-octyl phthalate	0.11	U	0.11	0.43	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.025	U	0.025	0.22	mg/Kg

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207-08-9	Benzo(k)fluoranthene	0.029	U	0.029	0.22	mg/Kg
50-32-8	Benzo(a)pyrene	0.039	U	0.039	0.22	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.038	U	0.038	0.22	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.036	U	0.036	0.22	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.034	U	0.034	0.22	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.034	U	0.034	0.22	mg/Kg
123-91-1	1,4-Dioxane	0.059	U	0.059	0.22	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.036	U	0.036	0.22	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	93.0		18 - 112	62%	SPK: 150
13127-88-3	Phenol-d6	88.2		15 - 107	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.9		18 - 107	70%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.8		20 - 109	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	80.5		10 - 116	54%	SPK: 150
1718-51-0	Terphenyl-d14	56.1		10 - 105	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	141000	6.869			
1146-65-2	Naphthalene-d8	476000	8.151			
15067-26-2	Acenaphthene-d10	219000	9.91			
1517-22-2	Phenanthrene-d10	325000	11.398			
1719-03-5	Chrysene-d12	257000	14.033			
1520-96-3	Perylene-d12	203000	15.515			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown9.104	730	J		9.10	ug/Kg
061141-72-8	Dodecane, 4,6-dimethyl-	970	J		9.18	ug/Kg
000629-59-4	Tetradecane	2400	J		9.31	ug/Kg
001076-61-5	Naphthalene, 1,2,3,4-tetrahydro-6,	980	J		9.38	ug/Kg
	unknown9.563	880	J		9.56	ug/Kg
003386-33-2	Octadecane, 1-chloro-	1800	J		9.63	ug/Kg
	unknown9.686	630	J		9.69	ug/Kg

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1000382-54-3	Carbonic acid, eicosyl vinyl ester	2300	J		9.84	ug/Kg
000544-76-3	Hexadecane	570	J		10.1	ug/Kg
055045-09-5	Tridecane, 7-propyl-	730	J		10.2	ug/Kg
002245-38-7	Naphthalene, 1,6,7-trimethyl-	490	J		10.2	ug/Kg
1010309-12-5	Sulfurous acid, 2-propyl tetradecy	2900	J		10.3	ug/Kg
003892-00-0	Pentadecane, 2,6,10-trimethyl-	1600	J		10.6	ug/Kg
000629-94-7	Heneicosane	3700	J		10.8	ug/Kg
000593-45-3	Octadecane	2300	J		11.3	ug/Kg
017302-32-8	Nonane, 3,7-dimethyl-	990	J		11.3	ug/Kg
000629-92-5	Nonadecane	1700	J		11.7	ug/Kg
000112-95-8	Eicosane	1400	J		12.1	ug/Kg
055045-10-8	Tridecane, 6-propyl-	1100	J		12.5	ug/Kg
000630-02-4	Octacosane	620	J		13.2	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