

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-1	SDG No.:	P4822
Lab Sample ID:	P4822-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
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
BF140585.D	1	11/13/24 09:15	11/22/24 18:35	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	360	ug/Kg
108-95-2	Phenol	89.6	U	89.6	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	90.5	U	90.5	180	ug/Kg
95-57-8	2-Chlorophenol	90.3	U	90.3	180	ug/Kg
95-48-7	2-Methylphenol	87.1	U	87.1	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	98.3	U	98.3	180	ug/Kg
98-86-2	Acetophenone	94.0	U	94.0	180	ug/Kg
65794-96-9	3+4-Methylphenols	86.3	U	86.3	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.6	U	43.6	86.5	ug/Kg
67-72-1	Hexachloroethane	89.7	U	89.7	180	ug/Kg
98-95-3	Nitrobenzene	98.2	U	98.2	180	ug/Kg
78-59-1	Isophorone	91.5	U	91.5	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	92.8	U	92.8	180	ug/Kg
120-83-2	2,4-Dichlorophenol	81.6	U	81.6	180	ug/Kg
91-20-3	Naphthalene	89.3	U	89.3	180	ug/Kg
106-47-8	4-Chloroaniline	89.3	UQ	89.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	90.1	U	90.1	180	ug/Kg
105-60-2	Caprolactam	93.8	U	93.8	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	83.8	U	83.8	180	ug/Kg
91-57-6	2-Methylnaphthalene	89.2	U	89.2	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.2	U	77.2	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	80.0	U	80.0	180	ug/Kg
92-52-4	1,1-Biphenyl	94.5	U	94.5	180	ug/Kg
91-58-7	2-Chloronaphthalene	90.1	U	90.1	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	88.3	U	88.3	180	ug/Kg

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208-96-8	Acenaphthylene	93.5	U	93.5	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	90.0	U	90.0	180	ug/Kg
99-09-2	3-Nitroaniline	96.4	UQ	96.4	180	ug/Kg
83-32-9	Acenaphthene	87.7	U	87.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	360	ug/Kg
132-64-9	Dibenzofuran	91.3	U	91.3	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.2	U	93.2	180	ug/Kg
84-66-2	Diethylphthalate	86.6	U	86.6	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	92.5	U	92.5	180	ug/Kg
86-73-7	Fluorene	92.4	U	92.4	180	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.2	U	88.2	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	85.3	U	85.3	180	ug/Kg
118-74-1	Hexachlorobenzene	91.9	U	91.9	180	ug/Kg
1912-24-9	Atrazine	98.8	U	98.8	180	ug/Kg
87-86-5	Pentachlorophenol	83.6	U	83.6	360	ug/Kg
85-01-8	Phenanthrene	90.8	U	90.8	180	ug/Kg
120-12-7	Anthracene	91.3	U	91.3	180	ug/Kg
86-74-8	Carbazole	86.8	U	86.8	180	ug/Kg
84-74-2	Di-n-butylphthalate	91.1	U	91.1	180	ug/Kg
206-44-0	Fluoranthene	130	J	88.3	180	ug/Kg
129-00-0	Pyrene	140	J	89.7	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	360	ug/Kg
56-55-3	Benzo(a)anthracene	96.6	J	87.3	180	ug/Kg
218-01-9	Chrysene	90.8	J	86.0	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	98.4	U	98.4	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	J	87.7	180	ug/Kg

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207-08-9	Benzo(k)fluoranthene	89.3	U	89.3	180	ug/Kg
50-32-8	Benzo(a)pyrene	100	J	100	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.4	U	84.4	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	87.8	U	87.8	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	86.6	U	86.6	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.8	U	93.8	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	80.8	U	80.8	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	78.9		30 (18) - 130 (112)	53%	SPK: 150
13127-88-3	Phenol-d6	76.3		30 (15) - 130 (107)	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.0		30 (18) - 130 (107)	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.4		30 (20) - 130 (109)	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	66.5		30 (10) - 130 (116)	44%	SPK: 150
1718-51-0	Terphenyl-d14	51.9		30 (10) - 130 (105)	52%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	92800	6.869
1146-65-2	Naphthalene-d8	331000	8.151
15067-26-2	Acenaphthene-d10	155000	9.904
1517-22-2	Phenanthrene-d10	246000	11.398
1719-03-5	Chrysene-d12	155000	14.045
1520-96-3	Perylene-d12	119000	15.533

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J	2.12	ug/Kg
000119-61-9	Benzophenone	350	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	340	J	11.9	ug/Kg
074685-30-6	5-Eicosene, (E)-	200	J	13.9	ug/Kg

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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