

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032025\
 Data File : BP024190.D
 Acq On : 20 Mar 2025 11:58
 Operator : RC/JU
 Sample : Q1546-05
 Misc : MDL-MED-SOIL 4 ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-MED-SOIL-QT1-2025-01

Quant Time: Mar 20 15:15:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP030425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 04 14:51:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	353281	20.000	ng/u1	-0.04
20) Naphthalene-d8	10.505	136	1578920	20.000	ng/u1	-0.03
38) Acenaphthene-d10	14.381	164	1085543	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.204	188	2197392	20.000	ng/u1	0.00
79) Chrysene-d12	21.663	240	2226002	20.000	ng/u1	0.01
88) Perylene-d12	25.045	264	2173424	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	36076	4.068	ng/uL	-0.02
4) Pyridine-d5	3.658	84	615649	24.131	ng/u1	-0.02
7) Phenol-d5	6.893	99	780794	24.910	ng/u1	-0.04
9) Bis-(2-Chloroethyl)eth...	7.052	67	491994	28.502	ng/u1	-0.04
11) 2-Chlorophenol-d4	7.258	132	635273	26.402	ng/u1	-0.04
15) 4-Methylphenol-d8	8.422	113	619612	25.036	ng/u1	-0.04
21) Nitrobenzene-d5	8.869	128	331702	26.018	ng/u1	-0.03
24) 2-Nitrophenol-d4	9.593	143	351431	26.403	ng/u1	-0.03
28) 2,4-Dichlorophenol-d3	10.128	165	592642	24.762	ng/u1	-0.03
31) 4-Chloroaniline-d4	10.640	131	964542	26.369	ng/u1	-0.03
46) Dimethylphthalate-d6	13.781	166	2151837	27.355	ng/u1	-0.02
49) Acenaphthylene-d8	14.069	160	2423114	26.558	ng/u1	-0.02
54) 4-Nitrophenol-d4	14.604	143	353327	21.940	ng/u1	0.00
60) Fluorene-d10	15.398	176	1863697	27.886	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.522	200	338813	24.421	ng/u1	0.00
73) Anthracene-d10	17.304	188	2826271	26.356	ng/u1	0.00
81) Pyrene-d10	19.686	212	3314222	29.718	ng/u1	0.02
92) Benzo(a)pyrene-d12	24.821	264	3225058	28.622	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.287	88	12611m	1.348	ng/uL	
5) Pyridine	3.676	79	117458	4.547	ng/u1#	70
6) Benzaldehyde	6.869	77	82436	5.101	ng/u1	97
8) Phenol	6.922	94	149433	4.588	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.146	93	125537	5.066	ng/u1	99
12) 2-Chlorophenol	7.287	128	119127	4.747	ng/u1	98
13) 2-Methylphenol	8.164	108	94112	3.954	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.234	45	139409	5.364	ng/u1	100
16) Acetophenone	8.534	105	191298	4.994	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.516	70	92930	5.173	ng/u1	99
18) 4-Methylphenol	8.487	108	118108	4.477	ng/u1	96
19) Hexachloroethane	8.793	117	48023	4.799	ng/u1	97
22) Nitrobenzene	8.911	77	139435	4.864	ng/u1	98
23) Isophorone	9.440	82	249229	4.641	ng/u1	99
25) 2-Nitrophenol	9.622	139	68750	4.664	ng/u1	95
26) 2,4-Dimethylphenol	9.687	107	63401	2.400	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.916	93	169419	4.959	ng/u1	98
29) 2,4-Dichlorophenol	10.152	162	112910	4.619	ng/u1	96
30) Naphthalene	10.558	128	413704	4.839	ng/u1	99
32) 4-Chloroaniline	10.663	127	168922	4.841	ng/u1	100
33) Hexachlorobutadiene	10.846	225	71707	4.791	ng/u1	99
34) Caprolactam	11.457	113	59405	6.400	ng/u1	99
35) 4-Chloro-3-methylphenol	11.810	107	105375	4.143	ng/u1	99
36) 2-Methylnaphthalene	12.175	142	282241	4.893	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.399	142	266543	4.675	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.546	216	144476	4.404	ng/ul	97
40) Hexachlorocyclopentadiene	12.528	237	63036	3.697	ng/ul	95
41) 2,4,6-Trichlorophenol	12.799	196	75779	3.672	ng/ul	97
42) 2,4,5-Trichlorophenol	12.869	196	85205	3.793	ng/ul	97
43) 1,1'-Biphenyl	13.199	154	385073	4.665	ng/ul	99
44) 2-Chloronaphthalene	13.240	162	291340	4.550	ng/ul	100
45) 2-Nitroaniline	13.451	65	61642	3.700	ng/ul	96
47) Dimethylphthalate	13.828	163	382483	4.861	ng/ul	100
48) 2,6-Dinitrotoluene	13.951	165	62495	4.050	ng/ul	89
50) Acenaphthylene	14.099	152	471952	4.774	ng/ul	99
51) 3-Nitroaniline	14.293	138	60787	3.388	ng/ul	97
52) Acenaphthene	14.446	153	328537	4.721	ng/ul	99
53) 2,4-Dinitrophenol	14.498	184	40391	4.198	ng/ul	98
55) 4-Nitrophenol	14.616	109	44503	3.986	ng/ul	95
56) Dibenzofuran	14.787	168	467590	4.873	ng/ul	99
57) 2,4-Dinitrotoluene	14.757	165	97834	4.259	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.028	232	76724	4.153	ng/ul	99
59) Diethylphthalate	15.228	149	369446	4.742	ng/ul	99
61) Fluorene	15.451	166	378142	4.820	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.451	204	186511	4.922	ng/ul	99
63) 4-Nitroaniline	15.475	138	59220m	3.354	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.534	198	79086	5.224	ng/ul#	90
67) N-Nitrosodiphenylamine	15.675	169	304821	4.550	ng/ul	100
68) 4-Bromophenyl-phenylether	16.369	248	109577	4.526	ng/ul	96
69) Hexachlorobenzene	16.487	284	140974	4.793	ng/ul	95
70) Atrazine	16.657	200	116292	4.794	ng/ul	97
71) Pentachlorophenol	16.851	266	81667	4.424	ng/ul	95
72) Phenanthrene	17.251	178	600773	4.782	ng/ul	100
74) Anthracene	17.340	178	584613	4.619	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.157	216	133086	4.022	ng/uL	96
76) Pentachlorobenzene	14.716	250	146382	4.231	ng/uL	98
77) Carbazole	17.628	167	495301	4.310	ng/ul	99
78) Di-n-butylphthalate	18.228	149	583000	4.355	ng/ul	100
80) Fluoranthene	19.339	202	669420	5.149	ng/ul	100
82) Pyrene	19.716	202	756807	5.402	ng/ul	99
83) Butylbenzylphthalate	20.663	149	230856	4.086	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.569	252	157762	3.543	ng/ul	100
85) Benzo(a)anthracene	21.639	228	694750	4.770	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.586	149	331071	3.905	ng/ul	100
87) Chrysene	21.704	228	661598	4.836	ng/ul	99
89) Di-n-octyl phthalate	22.886	149	448978	3.539	ng/ul	100
90) Benzo(b)fluoranthene	23.980	252	646637	5.002	ng/ul	99
91) Benzo(k)fluoranthene	24.039	252	633787	4.830	ng/ul	100
93) Benzo(a)pyrene	24.880	252	575681	4.710	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.880	276	645259m	3.992	ng/ul	
95) Dibenzo(a,h)anthracene	28.986	278	524179m	3.994	ng/ul	
96) Benzo(g,h,i)perylene	30.086	276	504915	4.026	ng/ul	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

