

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032125\
 Data File : BP024198.D
 Acq On : 21 Mar 2025 10:28
 Operator : RC/JU
 Sample : Q1546-04
 Misc : MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT1-2025-02

Quant Time: Mar 21 12:38:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP030425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 21 12:21:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	362830	20.000	ng/u1	0.00
20) Naphthalene-d8	10.522	136	1514376	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.381	164	922704	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.192	188	1798525	20.000	ng/u1	0.00
79) Chrysene-d12	21.645	240	1682681	20.000	ng/u1	0.00
88) Perylene-d12	25.039	264	1503460	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	41599	4.567	ng/uL	0.00
4) Pyridine-d5	3.675	84	648308	24.743	ng/u1	0.00
7) Phenol-d5	6.922	99	801739	24.905	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.075	67	497646	28.071	ng/u1	0.00
11) 2-Chlorophenol-d4	7.281	132	652680	26.411	ng/u1	0.00
15) 4-Methylphenol-d8	8.446	113	612689	24.105	ng/u1	0.00
21) Nitrobenzene-d5	8.887	128	323433	26.450	ng/u1	0.00
24) 2-Nitrophenol-d4	9.610	143	337740	26.456	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.146	165	569031	24.789	ng/u1	0.00
31) 4-Chloroaniline-d4	10.657	131	882064	25.142	ng/u1	0.00
46) Dimethylphthalate-d6	13.787	166	1804527	26.989	ng/u1	0.00
49) Acenaphthylene-d8	14.069	160	2108080	27.183	ng/u1	0.00
54) 4-Nitrophenol-d4	14.598	143	301266	22.008	ng/u1	0.00
60) Fluorene-d10	15.392	176	1549506	27.276	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.522	200	263257	23.184	ng/u1	0.00
73) Anthracene-d10	17.292	188	2248374	25.616	ng/u1	0.00
81) Pyrene-d10	19.669	212	2602019	30.865	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.792	264	2204683	28.285	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.305	88	12409m	1.292	ng/uL	
5) Pyridine	3.699	79	124119	4.678	ng/u1#	84
6) Benzaldehyde	6.893	77	83544	5.033	ng/u1	98
8) Phenol	6.946	94	152562	4.560	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.169	93	126853	4.984	ng/u1	97
12) 2-Chlorophenol	7.316	128	123402	4.788	ng/u1	98
13) 2-Methylphenol	8.187	108	96633	3.953	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.257	45	139528	5.227	ng/u1	100
16) Acetophenone	8.557	105	185302	4.710	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.540	70	86473	4.687	ng/u1	98
18) 4-Methylphenol	8.510	108	114571	4.229	ng/u1	98
19) Hexachloroethane	8.816	117	50681	4.932	ng/u1	95
22) Nitrobenzene	8.928	77	135720	4.936	ng/u1	98
23) Isophorone	9.457	82	225974	4.387	ng/u1	99
25) 2-Nitrophenol	9.640	139	66191	4.682	ng/u1	96
26) 2,4-Dimethylphenol	9.704	107	57700	2.277	ng/u1	94
27) Bis(2-Chloroethoxy)met...	9.934	93	163935	5.003	ng/u1	99
29) 2,4-Dichlorophenol	10.175	162	107393	4.581	ng/u1	98
30) Naphthalene	10.569	128	401788	4.900	ng/u1	100
32) 4-Chloroaniline	10.681	127	151273	4.520	ng/u1	98
33) Hexachlorobutadiene	10.857	225	70579	4.917	ng/u1	99
34) Caprolactam	11.457	113	39362	4.421	ng/u1	95
35) 4-Chloro-3-methylphenol	11.816	107	95147	3.901	ng/u1	98
36) 2-Methylnaphthalene	12.187	142	262388	4.743	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.404	142	243577	4.454	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.557	216	130635	4.685	ng/ul	98
40) Hexachlorocyclopentadiene	12.540	237	59755	4.123	ng/ul	98
41) 2,4,6-Trichlorophenol	12.798	196	67644	3.856	ng/ul	99
42) 2,4,5-Trichlorophenol	12.881	196	73612	3.855	ng/ul	98
43) 1,1'-Biphenyl	13.204	154	348622	4.969	ng/ul	98
44) 2-Chloronaphthalene	13.245	162	264029	4.851	ng/ul	99
45) 2-Nitroaniline	13.445	65	57169	4.038	ng/ul	94
47) Dimethylphthalate	13.834	163	327019	4.889	ng/ul	99
48) 2,6-Dinitrotoluene	13.951	165	52394	3.994	ng/ul	92
50) Acenaphthylene	14.098	152	408644	4.863	ng/ul	99
51) 3-Nitroaniline	14.292	138	51968	3.408	ng/ul	94
52) Acenaphthene	14.445	153	286139	4.838	ng/ul	98
53) 2,4-Dinitrophenol	14.498	184	33445	4.090	ng/ul	95
55) 4-Nitrophenol	14.616	109	38900	4.099	ng/ul	96
56) Dibenzofuran	14.786	168	397395	4.872	ng/ul	99
57) 2,4-Dinitrotoluene	14.751	165	79796	4.087	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.028	232	64046	4.079	ng/ul	99
59) Diethylphthalate	15.228	149	304374	4.597	ng/ul	100
61) Fluorene	15.451	166	322340	4.834	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.451	204	156652	4.863	ng/ul	99
63) 4-Nitroaniline	15.475	138	47360	3.156	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.533	198	63433	5.119	ng/ul#	86
67) N-Nitrosodiphenylamine	15.663	169	258598	4.716	ng/ul	99
68) 4-Bromophenyl-phenylether	16.363	248	91027	4.593	ng/ul	96
69) Hexachlorobenzene	16.480	284	114906	4.773	ng/ul	97
70) Atrazine	16.645	200	92423	4.655	ng/ul	98
71) Pentachlorophenol	16.839	266	66709	4.415	ng/ul	97
72) Phenanthrene	17.233	178	492866	4.793	ng/ul	100
74) Anthracene	17.328	178	475684	4.592	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.169	216	121536	4.487	ng/uL	99
76) Pentachlorobenzene	14.704	250	126432	4.464	ng/uL	99
77) Carbazole	17.604	167	403833	4.293	ng/ul	100
78) Di-n-butylphthalate	18.204	149	464457	4.239	ng/ul	100
80) Fluoranthene	19.316	202	530672	5.399	ng/ul	96
82) Pyrene	19.698	202	599095	5.657	ng/ul	99
83) Butylbenzylphthalate	20.651	149	179098	4.194	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.551	252	114928	3.415	ng/ul	99
85) Benzo(a)anthracene	21.627	228	529515	4.810	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.568	149	250687	3.912	ng/ul	99
87) Chrysene	21.692	228	504422	4.878	ng/ul	99
89) Di-n-octyl phthalate	22.868	149	321548	3.664	ng/ul	100
90) Benzo(b)fluoranthene	23.951	252	441038	4.932	ng/ul	98
91) Benzo(k)fluoranthene	24.021	252	459109	5.058	ng/ul	99
93) Benzo(a)pyrene	24.868	252	397094	4.696	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.862	276	432779	3.871	ng/ul	99
95) Dibenzo(a,h)anthracene	28.945	278	353955	3.899	ng/ul	98
96) Benzo(g,h,i)perylene	30.050	276	336987	3.884	ng/ul	100

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

