

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032125\
 Data File : BP024199.D
 Acq On : 21 Mar 2025 11:20
 Operator : RC/JU
 Sample : Q1546-06
 Misc : MDL-MED-SOIL 4ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 21 12:42:44 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	7.722	152	198276	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.510	136	950517	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.386	164	708339	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.216	188	1675135	20.000	ng/u1	0.03
79) Chrysene-d12	21.662	240	2027561	20.000	ng/u1	0.02
88) Perylene-d12	25.062	264	2202791	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	19128	3.843	ng/uL	-0.02
4) Pyridine-d5	3.663	84	342720	23.935	ng/u1	-0.01
7) Phenol-d5	6.904	99	451116	25.643	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.063	67	286958	29.620	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.269	132	358601	26.554	ng/u1	-0.01
15) 4-Methylphenol-d8	8.428	113	364069	26.210	ng/u1	-0.01
21) Nitrobenzene-d5	8.875	128	192300	25.055	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.592	143	197712	24.674	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.134	165	343991	23.875	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.645	131	597630	27.139	ng/u1	-0.01
46) Dimethylphthalate-d6	13.792	166	1511107	29.440	ng/u1	0.00
49) Acenaphthylene-d8	14.075	160	1568842	26.352	ng/u1	0.00
54) 4-Nitrophenol-d4	14.616	143	276156	26.279	ng/u1	0.02
60) Fluorene-d10	15.404	176	1255549	28.790	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.522	200	239178	22.615	ng/u1	0.00
73) Anthracene-d10	17.304	188	2089892	25.565	ng/u1	0.01
81) Pyrene-d10	19.686	212	2754708	27.118	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.839	264	3250258	28.461	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.293	88	6211m	1.183	ng/uL	
5) Pyridine	3.687	79	63425	4.375	ng/u1#	66
6) Benzaldehyde	6.875	77	47455	5.232	ng/u1	98
8) Phenol	6.928	94	87744	4.800	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.151	93	73918	5.315	ng/u1	98
12) 2-Chlorophenol	7.298	128	67777	4.812	ng/u1	99
13) 2-Methylphenol	8.169	108	53985	4.041	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.240	45	81031	5.555	ng/u1	99
16) Acetophenone	8.540	105	118650	5.519	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.522	70	56206	5.574	ng/u1	99
18) 4-Methylphenol	8.492	108	70275	4.747	ng/u1	98
19) Hexachloroethane	8.798	117	27149	4.834	ng/u1	91
22) Nitrobenzene	8.916	77	83503	4.838	ng/u1	97
23) Isophorone	9.439	82	150824	4.665	ng/u1	99
25) 2-Nitrophenol	9.628	139	39064	4.402	ng/u1	93
26) 2,4-Dimethylphenol	9.692	107	35677	2.243	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.922	93	103573	5.036	ng/u1	99
29) 2,4-Dichlorophenol	10.163	162	66666	4.530	ng/u1	97
30) Naphthalene	10.563	128	248105	4.821	ng/u1	99
32) 4-Chloroaniline	10.669	127	102612	4.885	ng/u1	99
33) Hexachlorobutadiene	10.851	225	40351	4.478	ng/u1	94
34) Caprolactam	11.457	113	35129	6.286	ng/u1	97
35) 4-Chloro-3-methylphenol	11.816	107	66312	4.331	ng/u1	97
36) 2-Methylnaphthalene	12.186	142	173250	4.989	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.398	142	161796	4.714	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.557	216	87675	4.096	ng/ul	99
40) Hexachlorocyclopentadiene	12.545	237	35273	3.171	ng/ul	98
41) 2,4,6-Trichlorophenol	12.804	196	46831	3.478	ng/ul	98
42) 2,4,5-Trichlorophenol	12.880	196	54284	3.703	ng/ul	97
43) 1,1'-Biphenyl	13.210	154	240984	4.474	ng/ul#	97
44) 2-Chloronaphthalene	13.251	162	182670	4.372	ng/ul	100
45) 2-Nitroaniline	13.463	65	43683	4.019	ng/ul	96
47) Dimethylphthalate	13.851	163	272560	5.308	ng/ul	99
48) 2,6-Dinitrotoluene	13.963	165	42715	4.242	ng/ul	94
50) Acenaphthylene	14.104	152	303739	4.709	ng/ul	99
51) 3-Nitroaniline	14.298	138	43078	3.680	ng/ul	91
52) Acenaphthene	14.457	153	215095	4.737	ng/ul	99
53) 2,4-Dinitrophenol	14.516	184	28095	4.475	ng/ul	97
55) 4-Nitrophenol	14.627	109	34759	4.772	ng/ul	94
56) Dibenzofuran	14.798	168	310935	4.966	ng/ul	99
57) 2,4-Dinitrotoluene	14.763	165	72283	4.822	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.033	232	52363	4.344	ng/ul#	99
59) Diethylphthalate	15.245	149	273483	5.380	ng/ul	100
61) Fluorene	15.469	166	262234	5.123	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.457	204	125821	5.088	ng/ul	98
63) 4-Nitroaniline	15.480	138	49243	4.275	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.545	198	56074	4.858	ng/ul#	90
67) N-Nitrosodiphenylamine	15.680	169	218414	4.277	ng/ul	99
68) 4-Bromophenyl-phenylether	16.380	248	79312	4.297	ng/ul	97
69) Hexachlorobenzene	16.498	284	100932	4.502	ng/ul	94
70) Atrazine	16.663	200	92133	4.983	ng/ul	97
71) Pentachlorophenol	16.857	266	61751	4.388	ng/ul	100
72) Phenanthrene	17.251	178	464268	4.848	ng/ul	99
74) Anthracene	17.339	178	446156	4.624	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.175	216	83724	3.319	ng/ul	99
76) Pentachlorobenzene	14.716	250	98469	3.733	ng/ul	99
77) Carbazole	17.621	167	402691	4.596	ng/ul	99
78) Di-n-butylphthalate	18.221	149	462046	4.528	ng/ul	100
80) Fluoranthene	19.327	202	559468	4.724	ng/ul	97
82) Pyrene	19.715	202	633828	4.967	ng/ul	98
83) Butylbenzylphthalate	20.668	149	210386	4.088	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.574	252	153735	3.791	ng/ul	98
85) Benzo(a)anthracene	21.645	228	640254	4.826	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.592	149	321900	4.168	ng/ul	99
87) Chrysene	21.709	228	610674	4.901	ng/ul	99
89) Di-n-octyl phthalate	22.892	149	477754	3.715	ng/ul	100
90) Benzo(b)fluoranthene	23.980	252	631184	4.818	ng/ul	99
91) Benzo(k)fluoranthene	24.056	252	640325	4.815	ng/ul	99
93) Benzo(a)pyrene	24.915	252	585575	4.727	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.921	276	719343m	4.391	ng/ul	
95) Dibenzo(a,h)anthracene	29.015	278	589603	4.433	ng/ul	99
96) Benzo(g,h,i)perylene	30.109	276	566582	4.457	ng/ul	98

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

