

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032025\
 Data File : BP024189.D
 Acq On : 20 Mar 2025 10:52
 Operator : RC/JU
 Sample : Q1546-03
 Misc : MDL-SOIL 4 ppm
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Mar 20 15:10:26 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	7.746	152	346356	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.516	136	1327324	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.381	164	757748	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.181	188	1433253	20.000	ng/u1	-0.02
79) Chrysene-d12	21.645	240	1476331	20.000	ng/u1	0.00
88) Perylene-d12	25.027	264	1584726	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.270	96	36618	4.211	ng/uL	0.00
4) Pyridine-d5	3.681	84	585919	23.425	ng/u1	0.00
7) Phenol-d5	6.922	99	710469	23.119	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.081	67	441204	26.071	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.287	132	606486	25.709	ng/u1	0.00
15) 4-Methylphenol-d8	8.446	113	519587	21.414	ng/u1	-0.01
21) Nitrobenzene-d5	8.893	128	273989	25.564	ng/u1	0.00
24) 2-Nitrophenol-d4	9.605	143	285956	25.556	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	10.146	165	486873	24.199	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.658	131	721241	23.455	ng/u1	-0.01
46) Dimethylphthalate-d6	13.781	166	1428307	26.012	ng/u1	-0.02
49) Acenaphthylene-d8	14.069	160	1691066	26.552	ng/u1	-0.02
54) 4-Nitrophenol-d4	14.593	143	219251	19.504	ng/u1	-0.01
60) Fluorene-d10	15.393	176	1232856	26.427	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.510	200	194393	21.482	ng/u1	-0.01
73) Anthracene-d10	17.287	188	1814291	25.939	ng/u1	-0.01
81) Pyrene-d10	19.669	212	2090186	28.259	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.792	264	2356006	28.676	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.305	88	13420m	1.463	ng/uL	
5) Pyridine	3.699	79	111375	4.398	ng/u1#	80
6) Benzaldehyde	6.899	77	73786m	4.657	ng/u1	
8) Phenol	6.952	94	135565	4.245	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.169	93	112228	4.619	ng/u1	98
12) 2-Chlorophenol	7.317	128	113714	4.622	ng/u1	99
13) 2-Methylphenol	8.187	108	81778	3.504	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.258	45	123769	4.858	ng/u1	99
16) Acetophenone	8.558	105	156426	4.165	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.540	70	70246	3.988	ng/u1	98
18) 4-Methylphenol	8.511	108	97556	3.772	ng/u1	98
19) Hexachloroethane	8.816	117	47210	4.813	ng/u1	96
22) Nitrobenzene	8.934	77	112015	4.648	ng/u1	99
23) Isophorone	9.458	82	176270	3.905	ng/u1	97
25) 2-Nitrophenol	9.640	139	56362	4.548	ng/u1	95
26) 2,4-Dimethylphenol	9.705	107	50772	2.286	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.934	93	133079	4.634	ng/u1	100
29) 2,4-Dichlorophenol	10.175	162	90376	4.398	ng/u1	98
30) Naphthalene	10.569	128	347719	4.838	ng/u1	99
32) 4-Chloroaniline	10.681	127	123001	4.193	ng/u1	99
33) Hexachlorobutadiene	10.858	225	63419	5.040	ng/u1	98
34) Caprolactam	11.457	113	22995m	2.947	ng/u1	
35) 4-Chloro-3-methylphenol	11.816	107	72933	3.411	ng/u1	97
36) 2-Methylnaphthalene	12.181	142	217116	4.478	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.404	142	201485	4.204	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.552	216	111709	4.878	ng/ul	98
40) Hexachlorocyclopentadiene	12.534	237	50131	4.212	ng/ul	97
41) 2,4,6-Trichlorophenol	12.799	196	52002	3.610	ng/ul	99
42) 2,4,5-Trichlorophenol	12.881	196	60419	3.853	ng/ul	99
43) 1,1'-Biphenyl	13.204	154	276554	4.799	ng/ul	97
44) 2-Chloronaphthalene	13.246	162	215069	4.812	ng/ul	99
45) 2-Nitroaniline	13.451	65	39398	3.388	ng/ul	96
47) Dimethylphthalate	13.828	163	257316	4.685	ng/ul	99
48) 2,6-Dinitrotoluene	13.951	165	38142	3.541	ng/ul	96
50) Acenaphthylene	14.099	152	323672	4.691	ng/ul	99
51) 3-Nitroaniline	14.287	138	36509	2.915	ng/ul	97
52) Acenaphthene	14.446	153	231257	4.761	ng/ul	99
53) 2,4-Dinitrophenol	14.493	184	22844	3.402	ng/ul	100
55) 4-Nitrophenol	14.604	109	28535	3.662	ng/ul	93
56) Dibenzofuran	14.787	168	320512	4.785	ng/ul	100
57) 2,4-Dinitrotoluene	14.746	165	58235	3.632	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.016	232	48279	3.744	ng/ul	98
59) Diethylphthalate	15.216	149	239478	4.404	ng/ul	99
61) Fluorene	15.445	166	257571	4.704	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.440	204	127513	4.820	ng/ul	96
63) 4-Nitroaniline	15.463	138	37272m	3.024	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.522	198	47469	4.807	ng/ul#	84
67) N-Nitrosodiphenylamine	15.657	169	198427	4.541	ng/ul	99
68) 4-Bromophenyl-phenylether	16.357	248	75658	4.791	ng/ul	99
69) Hexachlorobenzene	16.469	284	90863	4.737	ng/ul	98
70) Atrazine	16.640	200	70855	4.479	ng/ul	96
71) Pentachlorophenol	16.828	266	46935	3.898	ng/ul	97
72) Phenanthrene	17.222	178	388843	4.745	ng/ul	99
74) Anthracene	17.322	178	376972	4.566	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.163	216	101689	4.712	ng/uL	96
76) Pentachlorobenzene	14.698	250	105669	4.682	ng/uL	99
77) Carbazole	17.604	167	303816	4.053	ng/ul	100
78) Di-n-butylphthalate	18.192	149	353741	4.052	ng/ul	100
80) Fluoranthene	19.316	202	417690	4.844	ng/ul	97
82) Pyrene	19.692	202	475260	5.115	ng/ul	99
83) Butylbenzylphthalate	20.645	149	142454	3.802	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.551	252	113340	3.838	ng/ul	98
85) Benzo(a)anthracene	21.628	228	460975	4.772	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.563	149	210908	3.751	ng/ul	98
87) Chrysene	21.692	228	447099	4.928	ng/ul	99
89) Di-n-octyl phthalate	22.863	149	302833	3.273	ng/ul	100
90) Benzo(b)fluoranthene	23.951	252	450160	4.776	ng/ul	99
91) Benzo(k)fluoranthene	24.033	252	457615	4.783	ng/ul	100
93) Benzo(a)pyrene	24.874	252	417990	4.690	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.862	276	534333m	4.534	ng/ul	
95) Dibenzo(a,h)anthracene	28.945	278	442457m	4.624	ng/ul	
96) Benzo(g,h,i)perylene	30.051	276	428060	4.681	ng/ul	98

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

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