

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032025\
 Data File : BG064114.D
 Acq On : 20 Mar 2025 10:26
 Operator : RC/JU
 Sample : Q1546-03
 Misc : MDL-SOIL 4 ppm
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Mar 20 15:38:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG031425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 14 14:37:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	28638	20.000	ng/u1	0.00
20) Naphthalene-d8	10.650	136	131332	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.486	164	98697	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.224	188	224047	20.000	ng/u1	0.00
79) Chrysene-d12	21.455	240	205392	20.000	ng/u1	0.00
88) Perylene-d12	24.469	264	218230	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.335	96	2847	3.980	ng/uL	0.00
4) Pyridine-d5	3.740	84	49669	24.169	ng/u1	0.00
7) Phenol-d5	7.024	99	64780	25.000	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.195	67	42144	25.810	ng/u1	0.00
11) 2-Chlorophenol-d4	7.395	132	50843	24.587	ng/u1	0.00
15) 4-Methylphenol-d8	8.558	113	52278	23.783	ng/u1	0.00
21) Nitrobenzene-d5	9.010	128	25253	25.637	ng/u1	0.00
24) 2-Nitrophenol-d4	9.733	143	26302	25.425	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.268	165	50857	24.380	ng/u1	0.00
31) 4-Chloroaniline-d4	10.779	131	79122	27.052	ng/u1	0.00
46) Dimethylphthalate-d6	13.893	166	202363	26.125	ng/u1	0.00
49) Acenaphthylene-d8	14.175	160	225389	26.166	ng/u1	0.00
54) 4-Nitrophenol-d4	14.668	143	28303	21.747	ng/u1	0.00
60) Fluorene-d10	15.479	176	179676	26.910	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.585	200	22497	18.619	ng/u1	0.00
73) Anthracene-d10	17.324	188	283147	25.202	ng/u1	0.00
81) Pyrene-d10	19.610	212	327145	28.870	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.263	264	322722	28.375	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.370	88	812	1.002	ng/uL#	68
5) Pyridine	3.764	79	9494	4.456	ng/u1#	75
6) Benzaldehyde	7.001	77	7629	5.008	ng/u1	99
8) Phenol	7.054	94	12135	4.490	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.289	93	10172	4.979	ng/u1	97
12) 2-Chlorophenol	7.424	128	10317	4.924	ng/u1	96
13) 2-Methylphenol	8.294	108	9032	4.308	ng/u1	89
14) 2,2'-oxybis(1-Chloropr...	8.382	45	23276	4.862	ng/u1	99
16) Acetophenone	8.675	105	16639	4.650	ng/u1	87
17) N-Nitroso-di-n-propyla...	8.658	70	9102	4.775	ng/u1#	83
18) 4-Methylphenol	8.623	108	10704	4.606	ng/u1	90
19) Hexachloroethane	8.940	117	4073	4.456	ng/u1#	70
22) Nitrobenzene	9.051	77	12770	4.807	ng/u1#	81
23) Isophorone	9.574	82	23813	4.639	ng/u1	97
25) 2-Nitrophenol	9.762	139	5034	4.569	ng/u1#	88
26) 2,4-Dimethylphenol	9.827	107	6041	2.426	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.062	93	13705	4.737	ng/u1	91
29) 2,4-Dichlorophenol	10.291	162	9207	4.539	ng/u1#	91
30) Naphthalene	10.697	128	35225	4.931	ng/u1	99
32) 4-Chloroaniline	10.802	127	13226	4.681	ng/u1#	87
33) Hexachlorobutadiene	10.996	225	8072	5.198	ng/u1	94
34) Caprolactam	11.554	113	3883m	4.969	ng/u1	
35) 4-Chloro-3-methylphenol	11.925	107	11791	4.625	ng/u1	96
36) 2-Methylnaphthalene	12.306	142	26323	5.100	ng/u1	90

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032025\
 Data File : BG064114.D
 Acq On : 20 Mar 2025 10:26
 Operator : RC/JU
 Sample : Q1546-03
 Misc : MDL-SOIL 4 ppm
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Mar 20 15:38:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG031425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 14 14:37:18 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.524	142	24512	4.675	ng/ul	93
39) 1,2,4,5-Tetrachloroben...	12.677	216	13557	4.551	ng/ul#	94
40) Hexachlorocyclopentadiene	12.665	237	7093	4.275	ng/ul	89
41) 2,4,6-Trichlorophenol	12.918	196	8392	4.457	ng/ul#	78
42) 2,4,5-Trichlorophenol	12.982	196	8627	4.230	ng/ul	90
43) 1,1'-Biphenyl	13.317	154	37416	4.949	ng/ul	96
44) 2-Chloronaphthalene	13.358	162	26526	4.661	ng/ul	98
45) 2-Nitroaniline	13.552	65	7687	3.974	ng/ul	96
47) Dimethylphthalate	13.940	163	35297	4.822	ng/ul	99
48) 2,6-Dinitrotoluene	14.057	165	5833	4.247	ng/ul#	86
50) Acenaphthylene	14.204	152	44178	4.993	ng/ul	95
51) 3-Nitroaniline	14.381	138	5685	4.099	ng/ul	90
52) Acenaphthene	14.551	153	32652	5.012	ng/ul	95
53) 2,4-Dinitrophenol	14.586	184	2368	3.403	ng/ul#	85
55) 4-Nitrophenol	14.686	109	6194	4.196	ng/ul	90
56) Dibenzofuran	14.880	168	45618	5.010	ng/ul	98
57) 2,4-Dinitrotoluene	14.839	165	9154	4.340	ng/ul#	92
58) 2,3,4,6-Tetrachlorophenol	15.109	232	8289	4.490	ng/ul#	95
59) Diethylphthalate	15.309	149	39108	4.964	ng/ul	93
61) Fluorene	15.532	166	38514	5.178	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.526	204	18381	4.982	ng/ul	95
63) 4-Nitroaniline	15.538	138	5330	3.677	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.597	198	5073	3.923	ng/ul#	81
67) N-Nitrosodiphenylamine	15.738	169	31199	4.757	ng/ul	96
68) 4-Bromophenyl-phenylether	16.419	248	12890	5.254	ng/ul	96
69) Hexachlorobenzene	16.531	284	12887	4.697	ng/ul	96
70) Atrazine	16.690	200	13869	5.319	ng/ul	89
71) Pentachlorophenol	16.878	266	7082	4.314	ng/ul	94
72) Phenanthrene	17.265	178	58266m	4.653	ng/ul	
74) Anthracene	17.353	178	60213	4.697	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.282	216	13123	4.215	ng/ul	93
76) Pentachlorobenzene	14.804	250	15714	4.832	ng/ul	95
77) Carbazole	17.624	167	51235	4.609	ng/ul	96
78) Di-n-butylphthalate	18.200	149	60763	4.274	ng/ul	98
80) Fluoranthene	19.275	202	68225	5.082	ng/ul	98
82) Pyrene	19.639	202	76865	5.399	ng/ul	98
83) Butylbenzylphthalate	20.538	149	25523	4.502	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.361	252	24738	6.105	ng/ul	93
85) Benzo(a)anthracene	21.437	228	71131	4.998	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.372	149	39474	4.641	ng/ul#	98
87) Chrysene	21.496	228	69357	5.126	ng/ul	98
89) Di-n-octyl phthalate	22.518	149	67298	4.707	ng/ul	100
90) Benzo(b)fluoranthene	23.517	252	66942	4.965	ng/ul	99
91) Benzo(k)fluoranthene	23.576	252	68442	4.977	ng/ul	97
93) Benzo(a)pyrene	24.328	252	64814	5.092	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.853	276	76279m	4.788	ng/ul	
95) Dibenzo(a,h)anthracene	27.918	278	59414	4.682	ng/ul	98
96) Benzo(g,h,i)perylene	28.911	276	58547m	4.740	ng/ul	

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

