

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032025\
 Data File : BG064115.D
 Acq On : 20 Mar 2025 12:06
 Operator : RC/JU
 Sample : Q1546-05
 Misc : MDL-MED-SOIL 4 ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 20 15:43:56 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	7.860	152	26963	20.000	ng/u1	0.00
20) Naphthalene-d8	10.651	136	124138	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.488	164	97012	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.226	188	225884	20.000	ng/u1	0.00
79) Chrysene-d12	21.456	240	217396	20.000	ng/u1	0.00
88) Perylene-d12	24.470	264	224081	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.330	96	2142	3.181	ng/uL	0.00
4) Pyridine-d5	3.730	84	44806	23.157	ng/u1	0.00
7) Phenol-d5	7.020	99	61534	25.222	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.191	67	39584	25.748	ng/u1	0.00
11) 2-Chlorophenol-d4	7.390	132	45463	23.351	ng/u1	0.00
15) 4-Methylphenol-d8	8.554	113	49045	23.699	ng/u1	0.00
21) Nitrobenzene-d5	9.012	128	23809	25.572	ng/u1	0.00
24) 2-Nitrophenol-d4	9.729	143	24069	24.615	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.263	165	48046	24.367	ng/u1	0.00
31) 4-Chloroaniline-d4	10.775	131	73015	26.410	ng/u1	0.00
46) Dimethylphthalate-d6	13.894	166	208771	27.420	ng/u1	0.00
49) Acenaphthylene-d8	14.176	160	225176	26.595	ng/u1	0.00
54) 4-Nitrophenol-d4	14.670	143	30442	23.797	ng/u1	0.00
60) Fluorene-d10	15.475	176	180389	27.486	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.587	200	22909	18.806	ng/u1	0.00
73) Anthracene-d10	17.320	188	285359	25.192	ng/u1	0.00
81) Pyrene-d10	19.611	212	332049	27.685	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.259	264	329332	28.200	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.366	88	988	1.295	ng/uL#	77
5) Pyridine	3.748	79	9054	4.514	ng/u1#	49
6) Benzaldehyde	7.003	77	7018	4.893	ng/u1#	88
8) Phenol	7.044	94	11393	4.478	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.279	93	8534	4.437	ng/u1#	80
12) 2-Chlorophenol	7.426	128	8909	4.516	ng/u1#	86
13) 2-Methylphenol	8.295	108	8033	4.070	ng/u1	86
14) 2,2'-oxybis(1-Chloropr...	8.377	45	21281	4.721	ng/u1#	95
16) Acetophenone	8.671	105	15153	4.498	ng/u1	92
17) N-Nitroso-di-n-propyla...	8.659	70	7664	4.271	ng/u1#	96
18) 4-Methylphenol	8.618	108	9363	4.279	ng/u1	89
19) Hexachloroethane	8.936	117	4053	4.709	ng/u1#	82
22) Nitrobenzene	9.053	77	11071	4.409	ng/u1#	82
23) Isophorone	9.576	82	23092	4.760	ng/u1	96
25) 2-Nitrophenol	9.752	139	4770	4.580	ng/u1#	87
26) 2,4-Dimethylphenol	9.823	107	5561	2.363	ng/u1#	88
27) Bis(2-Chloroethoxy)met...	10.058	93	12635	4.620	ng/u1#	90
29) 2,4-Dichlorophenol	10.293	162	8869	4.625	ng/u1	97
30) Naphthalene	10.698	128	32749	4.850	ng/u1	95
32) 4-Chloroaniline	10.804	127	12897	4.829	ng/u1	100
33) Hexachlorobutadiene	10.992	225	7236	4.929	ng/u1	93
34) Caprolactam	11.533	113	4453m	6.029	ng/u1	
35) 4-Chloro-3-methylphenol	11.926	107	11123	4.616	ng/u1	97
36) 2-Methylnaphthalene	12.302	142	23501	4.817	ng/u1	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.531	142	23313	4.704	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.672	216	13527	4.620	ng/ul	90
40) Hexachlorocyclopentadiene	12.661	237	7015	4.301	ng/ul	97
41) 2,4,6-Trichlorophenol	12.913	196	7161	3.870	ng/ul#	88
42) 2,4,5-Trichlorophenol	12.978	196	7961m	3.972	ng/ul	
43) 1,1'-Biphenyl	13.319	154	35914	4.833	ng/ul#	87
44) 2-Chloronaphthalene	13.360	162	25561	4.570	ng/ul	94
45) 2-Nitroaniline	13.554	65	8284	4.357	ng/ul	93
47) Dimethylphthalate	13.941	163	35846	4.982	ng/ul	99
48) 2,6-Dinitrotoluene	14.059	165	6080	4.504	ng/ul	90
50) Acenaphthylene	14.206	152	43341	4.984	ng/ul	97
51) 3-Nitroaniline	14.382	138	5504	4.038	ng/ul#	95
52) Acenaphthene	14.547	153	31708	4.952	ng/ul	93
53) 2,4-Dinitrophenol	14.588	184	2136	3.123	ng/ul	95
55) 4-Nitrophenol	14.682	109	6212	4.281	ng/ul	91
56) Dibenzofuran	14.882	168	45031	5.032	ng/ul	98
57) 2,4-Dinitrotoluene	14.840	165	9259	4.466	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.111	232	8268	4.557	ng/ul#	97
59) Diethylphthalate	15.310	149	38868	5.019	ng/ul	95
61) Fluorene	15.534	166	37648	5.149	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.528	204	18760	5.173	ng/ul	95
63) 4-Nitroaniline	15.540	138	4830	3.390	ng/ul#	90
66) 4,6-Dinitro-2-methylph...	15.598	198	5474	4.199	ng/ul#	98
67) N-Nitrosodiphenylamine	15.739	169	32529	4.920	ng/ul	95
68) 4-Bromophenyl-phenylether	16.421	248	12317	4.979	ng/ul	92
69) Hexachlorobenzene	16.538	284	13157	4.757	ng/ul	94
70) Atrazine	16.685	200	14179	5.393	ng/ul	91
71) Pentachlorophenol	16.873	266	7295	4.407	ng/ul#	88
72) Phenanthrene	17.267	178	63646	5.041	ng/ul	96
74) Anthracene	17.355	178	63159	4.887	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.283	216	12845	4.092	ng/ul#	85
76) Pentachlorobenzene	14.799	250	14353	4.377	ng/ul	94
77) Carbazole	17.625	167	53012	4.730	ng/ul	99
78) Di-n-butylphthalate	18.195	149	62751	4.378	ng/ul#	94
80) Fluoranthene	19.276	202	70519	4.963	ng/ul	97
82) Pyrene	19.641	202	76014	5.044	ng/ul	97
83) Butylbenzylphthalate	20.540	149	24693	4.115	ng/ul#	93
84) 3,3'-Dichlorobenzidine	21.362	252	24323	5.671	ng/ul	99
85) Benzo(a)anthracene	21.439	228	72237	4.796	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.374	149	40962	4.550	ng/ul	96
87) Chrysene	21.497	228	71685	5.006	ng/ul	95
89) Di-n-octyl phthalate	22.514	149	70060	4.773	ng/ul	100
90) Benzo(b)fluoranthene	23.513	252	68865	4.975	ng/ul	96
91) Benzo(k)fluoranthene	23.577	252	70487	4.992	ng/ul	98
93) Benzo(a)pyrene	24.329	252	65499	5.012	ng/ul#	88
94) Indeno(1,2,3-cd)pyrene	27.860	276	80739m	4.936	ng/ul	
95) Dibenzo(a,h)anthracene	27.913	278	61204	4.697	ng/ul#	88
96) Benzo(g,h,i)perylene	28.900	276	60282m	4.753	ng/ul	

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

