

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032125\
 Data File : BG064123.D
 Acq On : 21 Mar 2025 9:59
 Operator : RC/JU
 Sample : Q1546-04
 Misc : MDL-SOIL 4 ppm
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Mar 21 12:48:29 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

Manual Integrations APPROVED

Reviewed By :Rahul
 Chavli
 03/2

4/2025

Supervised By :Jagrut

Upadhyay

03/2

4/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	32547	20.000	ng/u1	0.00
20) Naphthalene-d8	10.650	136	139891	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.486	164	102809	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.224	188	230137	20.000	ng/u1	0.00
79) Chrysene-d12	21.455	240	226823	20.000	ng/u1	0.00
88) Perylene-d12	24.469	264	235699	20.000	ng/u1	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.341	96	3576	4.399	ng/uL	0.00
4) Pyridine-d5	3.740	84	59989	25.685	ng/u1	0.00
7) Phenol-d5	7.019	99	72185	24.512	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.189	67	47204	25.437	ng/u1	0.00
11) 2-Chlorophenol-d4	7.389	132	57696	24.550	ng/u1	0.00
15) 4-Methylphenol-d8	8.558	113	58552	23.438	ng/u1	0.00
21) Nitrobenzene-d5	9.010	128	27845	26.539	ng/u1	0.00
24) 2-Nitrophenol-d4	9.727	143	31553	28.635	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.268	165	56582	25.465	ng/u1	0.00
31) 4-Chloroaniline-d4	10.779	131	83218	26.711	ng/u1	0.00
46) Dimethylphthalate-d6	13.893	166	212972	26.395	ng/u1	0.00
49) Acenaphthylene-d8	14.175	160	236346	26.340	ng/u1	0.00
54) 4-Nitrophenol-d4	14.668	143	30220	22.291	ng/u1	0.00
60) Fluorene-d10	15.473	176	184636	26.547	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.585	200	25801	20.789	ng/u1	0.00
73) Anthracene-d10	17.324	188	289911	25.121	ng/u1	0.00
81) Pyrene-d10	19.610	212	345480	27.608	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.269	264	344743	28.064	ng/u1	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.370	88	1354	1.470	ng/uL 91
5) Pyridine	3.764	79	11535	4.764	ng/u1# 80
6) Benzaldehyde	6.995	77	8410	4.858	ng/u1 95
8) Phenol	7.042	94	14375	4.680	ng/u1# 89
10) Bis(2-Chloroethyl)ether	7.283	93	10708	4.612	ng/u1# 80
12) 2-Chlorophenol	7.424	128	10973	4.608	ng/u1 93
13) 2-Methylphenol	8.299	108	9997	4.196	ng/u1 98
14) 2,2'-oxybis(1-Chloropr...	8.382	45	24589	4.519	ng/u1 98
16) Acetophenone	8.670	105	18143	4.462	ng/u1 93
17) N-Nitroso-di-n-propyla...	8.658	70	9220	4.256	ng/u1# 93
18) 4-Methylphenol	8.617	108	10649	4.032	ng/u1 90
19) Hexachloroethane	8.946	117	4824	4.643	ng/u1 93
22) Nitrobenzene	9.051	77	13128	4.639	ng/u1# 97
23) Isophorone	9.574	82	26012	4.758	ng/u1 96
25) 2-Nitrophenol	9.762	139	5935	5.057	ng/u1# 82
26) 2,4-Dimethylphenol	9.821	107	6199	2.337	ng/u1# 80
27) Bis(2-Chloroethoxy)met...	10.062	93	14536	4.717	ng/u1 97
29) 2,4-Dichlorophenol	10.291	162	10778	4.988	ng/u1 99
30) Naphthalene	10.697	128	37608	4.943	ng/u1 97
32) 4-Chloroaniline	10.802	127	15136	5.030	ng/u1 89
33) Hexachlorobutadiene	10.996	225	8535	5.160	ng/u1 96
34) Caprolactam	11.543	113	3971m	4.771	ng/u1
35) 4-Chloro-3-methylphenol	11.925	107	11766	4.333	ng/u1# 83
36) 2-Methylnaphthalene	12.307	142	25330	4.608	ng/u1 94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.530	142	26127	4.678	ng/ul#	91
39) 1,2,4,5-Tetrachloroben...	12.671	216	14579	4.699	ng/ul	95
40) Hexachlorocyclopentadiene	12.659	237	7299	4.223	ng/ul#	83
41) 2,4,6-Trichlorophenol	12.912	196	8736	4.454	ng/ul	90
42) 2,4,5-Trichlorophenol	12.982	196	8483	3.993	ng/ul	92
43) 1,1'-Biphenyl	13.323	154	37280	4.734	ng/ul	95
44) 2-Chloronaphthalene	13.358	162	27068	4.566	ng/ul	93
45) 2-Nitroaniline	13.558	65	9109	4.521	ng/ul#	82
47) Dimethylphthalate	13.940	163	37152	4.872	ng/ul#	96
48) 2,6-Dinitrotoluene	14.052	165	6143	4.294	ng/ul	91
50) Acenaphthylene	14.204	152	45867	4.977	ng/ul#	97
51) 3-Nitroaniline	14.375	138	5295	3.665	ng/ul#	68
52) Acenaphthene	14.545	153	32699	4.819	ng/ul	98
53) 2,4-Dinitrophenol	14.586	184	2537	3.500	ng/ul	91
55) 4-Nitrophenol	14.680	109	7124	4.633	ng/ul#	82
56) Dibenzofuran	14.880	168	46801	4.934	ng/ul	99
57) 2,4-Dinitrotoluene	14.833	165	9244	4.208	ng/ul#	82
58) 2,3,4,6-Tetrachlorophenol	15.109	232	8284	4.308	ng/ul#	86
59) Diethylphthalate	15.309	149	40688	4.958	ng/ul	99
61) Fluorene	15.532	166	38175	4.927	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.526	204	19406	5.049	ng/ul#	92
63) 4-Nitroaniline	15.538	138	5218	3.456	ng/ul	89
66) 4,6-Dinitro-2-methylph...	15.603	198	6030	4.540	ng/ul#	89
67) N-Nitrosodiphenylamine	15.738	169	32883	4.881	ng/ul	97
68) 4-Bromophenyl-phenylether	16.419	248	12309	4.884	ng/ul	89
69) Hexachlorobenzene	16.531	284	13789	4.893	ng/ul	97
70) Atrazine	16.690	200	14436	5.390	ng/ul	94
71) Pentachlorophenol	16.878	266	7040	4.175	ng/ul	94
72) Phenanthrene	17.265	178	61948	4.816	ng/ul	100
74) Anthracene	17.359	178	60669	4.608	ng/ul	95
75) 1,2,3,4-Tetrachloroben...	13.282	216	13462	4.209	ng/ul	96
76) Pentachlorobenzene	14.804	250	14906	4.462	ng/ul	94
77) Carbazole	17.624	167	53650	4.698	ng/ul	96
78) Di-n-butylphthalate	18.200	149	65162	4.463	ng/ul	99
80) Fluoranthene	19.275	202	73297	4.944	ng/ul	99
82) Pyrene	19.639	202	79100	5.031	ng/ul	99
83) Butylbenzylphthalate	20.538	149	27419	4.380	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.361	252	24022	5.369	ng/ul	92
85) Benzo(a)anthracene	21.437	228	75565	4.808	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.372	149	45209	4.813	ng/ul	97
87) Chrysene	21.502	228	70853	4.742	ng/ul	97
89) Di-n-octyl phthalate	22.518	149	75979	4.921	ng/ul	100
90) Benzo(b)fluoranthene	23.517	252	71761	4.928	ng/ul	96
91) Benzo(k)fluoranthene	23.582	252	72465m	4.879	ng/ul	
93) Benzo(a)pyrene	24.334	252	67194	4.888	ng/ul	94
94) Indeno(1,2,3-cd)pyrene	27.853	276	82741m	4.809	ng/ul	
95) Dibenzo(a,h)anthracene	27.923	278	64901	4.735	ng/ul	96
96) Benzo(g,h,i)perylene	28.905	276	63369m	4.750	ng/ul	

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

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