

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031124\
 Data File : BG060607.D
 Acq On : 11 Mar 2024 12:04
 Operator : MA/JU
 Sample : P1601-05
 Misc : SFAM-MDL-ME SOIL-01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT1-2024-01

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/11/2024
 Supervised By :mohammad ahmed 03/12/2024

Quant Time: Mar 11 13:45:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG030824.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 08 15:23:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.327	152	92049	20.000	ng/ul	0.00
20) Naphthalene-d8	11.170	136	447738	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.954	164	301902	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.704	188	659968	20.000	ng/ul	0.00
79) Chrysene-d12	22.022	240	568922	20.000	ng/ul	0.00
88) Perylene-d12	25.583	264	634261	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.609	96	12454	5.108	ng/uL	0.00
4) Pyridine-d5	4.049	84	166453	21.817	ng/ul	0.00
7) Phenol-d5	7.428	99	204643	21.574	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.645	67	131356	21.362	ng/ul	0.00
11) 2-Chlorophenol-d4	7.839	132	148111	22.333	ng/ul	0.00
15) 4-Methylphenol-d8	9.002	113	155090	21.057	ng/ul	0.00
21) Nitrobenzene-d5	9.519	128	67890	23.779	ng/ul	0.00
24) 2-Nitrophenol-d4	10.242	143	63909	22.708	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.765	165	153732	21.218	ng/ul	0.00
31) 4-Chloroaniline-d4	11.311	131	231274	20.535	ng/ul	0.00
46) Dimethylphthalate-d6	14.349	166	518349	21.657	ng/ul	0.00
49) Acenaphthylene-d8	14.655	160	610283	21.777	ng/ul	0.00
54) 4-Nitrophenol-d4	15.113	143	70247	19.473	ng/ul	0.00
60) Fluorene-d10	15.941	176	455808	21.672	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.041	200	42978	16.044	ng/ul	0.00
73) Anthracene-d10	17.804	188	647572	19.966	ng/ul	0.00
81) Pyrene-d10	20.072	212	755651	22.046	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.336	264	719412	21.921	ng/ul	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.650	88	2676	1.035	ng/uL#	80
5) Pyridine	4.067	79	32069	4.144	ng/ul#	80
6) Benzaldehyde	7.469	77	26800	5.962	ng/ul	91
8) Phenol	7.463	94	40644	4.235	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.739	93	33908	4.448	ng/ul	98
12) 2-Chlorophenol	7.874	128	30164	4.344	ng/ul	96
13) 2-Methylphenol	8.738	108	29551	3.952	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.832	45	69737	4.524	ng/ul	99
16) Acetophenone	9.161	105	55455	4.413	ng/ul	96
17) N-Nitroso-di-n-propyla...	9.126	70	28902	4.690	ng/ul#	93
18) 4-Methylphenol	9.073	108	33852	4.157	ng/ul	94
19) Hexachloroethane	9.414	117	12369	4.547	ng/ul	84
22) Nitrobenzene	9.566	77	37897	4.751	ng/ul	97
23) Isophorone	10.072	82	77867	4.109	ng/ul	99
25) 2-Nitrophenol	10.271	139	15114	4.663	ng/ul#	87
26) 2,4-Dimethylphenol	10.295	107	25305	2.875	ng/ul	93
27) Bis(2-Chloroethoxy)met...	10.559	93	46427	4.213	ng/ul	97
29) 2,4-Dichlorophenol	10.794	162	32686	4.516	ng/ul	97
30) Naphthalene	11.223	128	118664	4.483	ng/ul	99
32) 4-Chloroaniline	11.335	127	46540	4.234	ng/ul	98
33) Hexachlorobutadiene	11.458	225	24064	4.494	ng/ul	95
34) Caprolactam	12.122	113	11568m	4.668	ng/ul	
35) 4-Chloro-3-methylphenol	12.398	107	36687	4.224	ng/ul	99
36) 2-Methylnaphthalene	12.804	142	78374	4.506	ng/ul	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.021	142	80353	4.612	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.139	216	42882	4.315	ng/ul	93
40) Hexachlorocyclopentadiene	13.098	237	24561	4.058	ng/ul	95
41) 2,4,6-Trichlorophenol	13.380	196	24216	3.914	ng/ul	96
42) 2,4,5-Trichlorophenol	13.444	196	26161	3.964	ng/ul	97
43) 1,1'-Biphenyl	13.791	154	106601	4.398	ng/ul	98
44) 2-Chloronaphthalene	13.844	162	80292	4.174	ng/ul	95
45) 2-Nitroaniline	14.049	65	20531	3.907	ng/ul	93
47) Dimethylphthalate	14.396	163	107038	4.394	ng/ul	99
48) 2,6-Dinitrotoluene	14.537	165	14609	4.173	ng/ul	88
50) Acenaphthylene	14.684	152	141828	4.428	ng/ul	99
51) 3-Nitroaniline	14.866	138	16861	4.088	ng/ul#	88
52) Acenaphthene	15.013	153	92977	4.373	ng/ul	99
53) 2,4-Dinitrophenol	15.066	184	7719	4.336	ng/ul#	76
55) 4-Nitrophenol	15.125	109	14561	4.179	ng/ul	91
56) Dibenzofuran	15.348	168	125131	4.384	ng/ul	98
57) 2,4-Dinitrotoluene	15.307	165	19238	4.045	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.553	232	20673	3.677	ng/ul#	91
59) Diethylphthalate	15.741	149	105964	4.265	ng/ul	99
61) Fluorene	15.994	166	107426	4.543	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.976	204	52866	4.465	ng/ul	98
63) 4-Nitroaniline	16.029	138	17900m	4.357	ng/ul	
66) 4,6-Dinitro-2-methylph...	16.059	198	10868	3.674	ng/ul	93
67) N-Nitrosodiphenylamine	16.194	169	90052	4.271	ng/ul	96
68) 4-Bromophenyl-phenylether	16.875	248	33269	4.385	ng/ul	91
69) Hexachlorobenzene	16.969	284	39345	4.338	ng/ul	94
70) Atrazine	17.128	200	36219	5.070	ng/ul	92
71) Pentachlorophenol	17.316	266	20382	4.078	ng/ul#	82
72) Phenanthrene	17.745	178	164745	4.350	ng/ul	98
74) Anthracene	17.833	178	160188	4.153	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.750	216	42386	4.300	ng/ul	95
76) Pentachlorobenzene	15.242	250	48313	4.760	ng/ul	96
77) Carbazole	18.109	167	134269	4.059	ng/ul	99
78) Di-n-butylphthalate	18.620	149	162677	4.026	ng/ul	98
80) Fluoranthene	19.737	202	178773	4.395	ng/ul#	96
82) Pyrene	20.101	202	197644	4.639	ng/ul	97
83) Butylbenzylphthalate	20.965	149	60851	3.883	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.917	252	66223	5.090	ng/ul	94
85) Benzo(a)anthracene	22.005	228	185373	4.387	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.846	149	93000	3.995	ng/ul#	99
87) Chrysene	22.075	228	171680	4.268	ng/ul	99
89) Di-n-octyl phthalate	23.186	149	149040	3.779	ng/ul	100
90) Benzo(b)fluoranthene	24.431	252	164410	4.264	ng/ul	97
91) Benzo(k)fluoranthene	24.514	252	168280	4.181	ng/ul	96
93) Benzo(a)pyrene	25.412	252	158529	4.239	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.707	276	193177m	4.182	ng/ul	
95) Dibenzo(a,h)anthracene	29.801	278	155332	4.116	ng/ul	98
96) Benzo(g,h,i)perylene	31.000	276	150738	4.065	ng/ul#	93

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

