

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102023\
 Data File : BG059504.D
 Acq On : 20 Oct 2023 16:02
 Operator : MA/JU
 Sample : 03573-06
 Misc : SFAM-MDL-WATER-01
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-06

Quant Time: Oct 21 00:21:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 20 03:52:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel

10/23/2023
 Supervised By :mohammad
 ahmed

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.188	152	41419	20.000	ng/u1	0.00
20) Naphthalene-d8	11.026	136	196518	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.828	164	129174	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.577	188	290232	20.000	ng/u1	0.00
79) Chrysene-d12	21.866	240	276619	20.000	ng/u1	0.00
88) Perylene-d12	25.309	264	307106	20.000	ng/u1	0.00

10/23/2023

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.476	96	8283	6.309	ng/uL	0.00
4) Pyridine-d5	3.911	84	138961	30.821	ng/u1	0.00
7) Phenol-d5	7.313	99	113879	27.592	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.513	67	67615	28.581	ng/u1	0.00
11) 2-Chlorophenol-d4	7.707	132	81687	24.778	ng/u1	0.00
15) 4-Methylphenol-d8	8.882	113	84365	23.727	ng/u1	0.00
21) Nitrobenzene-d5	9.387	128	45576	23.765	ng/u1	0.00
24) 2-Nitrophenol-d4	10.104	143	48645	25.769	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.633	165	84139	24.092	ng/u1	0.00
31) 4-Chloroaniline-d4	11.173	131	121421	23.414	ng/u1	0.00
46) Dimethylphthalate-d6	14.222	166	271023	21.606	ng/u1	0.00
49) Acenaphthylene-d8	14.528	160	332070	22.996	ng/u1	0.00
54) 4-Nitrophenol-d4	15.016	143	44402	21.579	ng/u1	0.00
60) Fluorene-d10	15.815	176	260534	24.324	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.926	200	44569	22.833	ng/u1	0.00
73) Anthracene-d10	17.671	188	357949	22.397	ng/u1	0.00
81) Pyrene-d10	19.951	212	443340	24.426	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.069	264	448427	25.516	ng/u1	0.00

Target Compounds	Qvalue					
2) 1,4-Dioxane	3.517	88	1950m	1.305	ng/uL	
5) Pyridine	3.935	79	24131	5.166	ng/u1#	83
6) Benzaldehyde	7.336	77	10827	5.827	ng/u1	99
8) Phenol	7.342	94	18004	4.412	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.607	93	15392	4.369	ng/u1#	91
12) 2-Chlorophenol	7.736	128	13607	4.094	ng/u1	95
13) 2-Methylphenol	8.617	108	11668	3.364	ng/u1	84
14) 2,2'-oxybis(1-Chloropr...	8.700	45	30731	3.915	ng/u1	96
16) Acetophenone	9.029	105	20157	3.755	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.987	70	10825	3.882	ng/u1#	98
18) 4-Methylphenol	8.940	108	14544	3.879	ng/u1#	77
19) Hexachloroethane	9.269	117	4679	3.422	ng/u1#	72
22) Nitrobenzene	9.434	77	15501	3.511	ng/u1	94
23) Isophorone	9.933	82	34736	4.102	ng/u1	98
25) 2-Nitrophenol	10.145	139	8102m	4.078	ng/u1	
26) 2,4-Dimethylphenol	10.163	107	12723	3.371	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.421	93	21614	4.106	ng/u1	92
29) 2,4-Dichlorophenol	10.656	162	13643	3.887	ng/u1#	86
30) Naphthalene	11.079	128	50220	4.067	ng/u1	96
32) 4-Chloroaniline	11.197	127	19260	3.914	ng/u1	97
33) Hexachlorobutadiene	11.308	225	8907	3.956	ng/u1#	80
34) Caprolactam	11.978	113	4211	3.828	ng/u1	81
35) 4-Chloro-3-methylphenol	12.284	107	12571	3.643	ng/u1#	88
36) 2-Methylnaphthalene	12.671	142	31093	3.815	ng/u1	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.883	142	32791	3.947	ng/ul#	95
39) 1,2,4,5-Tetrachloroben...	13.012	216	17109	3.931	ng/ul	91
40) Hexachlorocyclopentadiene	12.965	237	7942	3.274	ng/ul#	78
41) 2,4,6-Trichlorophenol	13.259	196	10414	3.898	ng/ul#	78
42) 2,4,5-Trichlorophenol	13.324	196	10464	3.425	ng/ul#	89
43) 1,1'-Biphenyl	13.664	154	45823	3.786	ng/ul	99
44) 2-Chloronaphthalene	13.717	162	34341	3.609	ng/ul	98
45) 2-Nitroaniline	13.940	65	9420	3.036	ng/ul#	92
47) Dimethylphthalate	14.269	163	44810	3.618	ng/ul#	97
48) 2,6-Dinitrotoluene	14.422	165	6770	2.777	ng/ul#	87
50) Acenaphthylene	14.557	152	56738	3.649	ng/ul	97
51) 3-Nitroaniline	14.751	138	8415	3.581	ng/ul#	98
52) Acenaphthene	14.892	153	36837	3.677	ng/ul	96
53) 2,4-Dinitrophenol	14.957	184	8329	6.735	ng/ul#	85
55) 4-Nitrophenol	15.027	109	4092	2.870	ng/ul#	51
56) Dibenzofuran	15.221	168	53467	3.958	ng/ul	92
57) 2,4-Dinitrotoluene	15.192	165	12428	3.725	ng/ul#	84
58) 2,3,4,6-Tetrachlorophenol	15.433	232	10107	3.692	ng/ul#	89
59) Diethylphthalate	15.615	149	43787	3.874	ng/ul	98
61) Fluorene	15.868	166	43805	3.874	ng/ul#	92
62) 4-Chlorophenyl-phenyle...	15.856	204	22566	3.912	ng/ul	98
63) 4-Nitroaniline	15.909	138	8584m	3.772	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.944	198	8217	3.969	ng/ul#	86
67) N-Nitrosodiphenylamine	16.073	169	35354	3.943	ng/ul	95
68) 4-Bromophenyl-phenylether	16.749	248	12547	3.833	ng/ul	89
69) Hexachlorobenzene	16.843	284	15086	4.069	ng/ul	96
70) Atrazine	17.002	200	15222	4.760	ng/ul#	88
71) Pentachlorophenol	17.201	266	13175	6.326	ng/ul#	87
72) Phenanthrene	17.618	178	76604	4.045	ng/ul	99
74) Anthracene	17.712	178	73622	3.776	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.623	216	19359	4.534	ng/uL	90
76) Pentachlorobenzene	15.121	250	19205	4.592	ng/uL	92
77) Carbazole	17.989	167	60539	3.874	ng/ul	97
78) Di-n-butylphthalate	18.494	149	70768	3.710	ng/ul	99
80) Fluoranthene	19.610	202	84953	3.795	ng/ul#	94
82) Pyrene	19.980	202	94655	4.012	ng/ul	96
83) Butylbenzylphthalate	20.832	149	31459	3.842	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.761	252	34740	4.681	ng/ul#	96
85) Benzo(a)anthracene	21.843	228	88955	3.885	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.678	149	44416	3.717	ng/ul#	89
87) Chrysene	21.913	228	84541	3.950	ng/ul	95
89) Di-n-octyl phthalate	22.953	149	72843	3.926	ng/ul	100
90) Benzo(b)fluoranthene	24.193	252	91586	4.188	ng/ul	98
91) Benzo(k)fluoranthene	24.264	252	89484m	3.958	ng/ul	
93) Benzo(a)pyrene	25.139	252	88431	4.246	ng/ul#	90
94) Indeno(1,2,3-cd)pyrene	29.275	276	97871m	4.128	ng/ul	
95) Dibenzo(a,h)anthracene	29.346	278	78210m	4.056	ng/ul	
96) Benzo(g,h,i)perylene	30.527	276	80085m	4.022	ng/ul	

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

