

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103123\
 Data File : BG059558.D
 Acq On : 31 Oct 2023 11:42
 Operator : MA/JU
 Sample : 04696-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT4-2023-08

Quant Time: Nov 01 04:28:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 28 03:56:42 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/02/2023
 Supervised By :mohammad ahmed 11/02/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.352	152	75686	20.000	ng/u1	0.00
20) Naphthalene-d8	11.208	136	443726	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.986	164	279066	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.736	188	628019m	20.000	ng/u1	0.00
79) Chrysene-d12	22.072	240	525230	20.000	ng/u1	0.00
88) Perylene-d12	25.679	264	559072	20.000	ng/u1	-0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.652	96	12617	6.237	ng/uL	0.00
4) Pyridine-d5	4.087	84	132344	23.412	ng/u1	0.00
7) Phenol-d5	7.465	99	204099	26.242	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.671	67	73534	20.584	ng/u1	0.00
11) 2-Chlorophenol-d4	7.871	132	139852	22.164	ng/u1	0.00
15) 4-Methylphenol-d8	9.034	113	141462	22.926	ng/u1	0.00
21) Nitrobenzene-d5	9.557	128	70379	22.307	ng/u1	0.00
24) 2-Nitrophenol-d4	10.274	143	98007	30.259	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.797	165	173200	24.271	ng/u1	0.00
31) 4-Chloroaniline-d4	11.343	131	261793	22.285	ng/u1	0.00
46) Dimethylphthalate-d6	14.381	166	535450	21.179	ng/u1	0.00
49) Acenaphthylene-d8	14.686	160	659121	22.214	ng/u1	0.00
54) 4-Nitrophenol-d4	15.150	143	102019	23.530	ng/u1	0.00
60) Fluorene-d10	15.973	176	474153	21.944	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.073	200	68167m	22.920	ng/u1	0.00
73) Anthracene-d10	17.835	188	728128	21.401	ng/u1	0.00
81) Pyrene-d10	20.103	212	781873	21.417	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.432	264	757532	23.010	ng/u1	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.687	88	2306m	1.018	ng/uL	
5) Pyridine	4.104	79	19426	3.484	ng/u1#	49
6) Benzaldehyde	7.495	77	20077	5.731	ng/u1	84
8) Phenol	7.495	94	32863	4.482	ng/u1#	92
10) Bis(2-Chloroethyl)ether	7.771	93	17476	3.250	ng/u1	89
12) 2-Chlorophenol	7.900	128	22607	3.614	ng/u1#	88
13) 2-Methylphenol	8.775	108	22330	3.653	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.875	45	16655m	3.291	ng/u1	
16) Acetophenone	9.199	105	33403	3.434	ng/u1	95
17) N-Nitroso-di-n-propyla...	9.157	70	13517	2.949	ng/u1#	76
18) 4-Methylphenol	9.105	108	24193m	3.720	ng/u1	
19) Hexachloroethane	9.445	117	9924	3.994	ng/u1#	83
22) Nitrobenzene	9.598	77	24903	3.657	ng/u1#	95
23) Isophorone	10.103	82	58195	3.393	ng/u1	94
25) 2-Nitrophenol	10.309	139	16032	4.602	ng/u1#	74
26) 2,4-Dimethylphenol	10.327	107	30942	3.377	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.591	93	32451	3.398	ng/u1	91
29) 2,4-Dichlorophenol	10.820	162	28628	4.147	ng/u1#	85
30) Naphthalene	11.255	128	109310	3.952	ng/u1#	93
32) 4-Chloroaniline	11.372	127	42418	3.801	ng/u1	100
33) Hexachlorobutadiene	11.490	225	16841	4.066	ng/u1	99
34) Caprolactam	12.130	113	10556m	4.179	ng/u1	
35) 4-Chloro-3-methylphenol	12.430	107	33462	4.062	ng/u1	96
36) 2-Methylnaphthalene	12.835	142	73769	3.877	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.053	142	74890	3.952	ng/ul#	95
39) 1,2,4,5-Tetrachloroben...	13.176	216	30642	3.807	ng/ul	95
40) Hexachlorocyclopentadiene	13.129	237	17349	3.698	ng/ul#	93
41) 2,4,6-Trichlorophenol	13.411	196	22322	4.005	ng/ul	89
42) 2,4,5-Trichlorophenol	13.482	196	23511	3.896	ng/ul	97
43) 1,1'-Biphenyl	13.823	154	94937	3.761	ng/ul#	93
44) 2-Chloronaphthalene	13.875	162	71571	3.648	ng/ul	89
45) 2-Nitroaniline	14.087	65	15456	4.233	ng/ul#	53
47) Dimethylphthalate	14.428	163	87906	3.519	ng/ul#	91
48) 2,6-Dinitrotoluene	14.563	165	13260	3.519	ng/ul#	76
50) Acenaphthylene	14.716	152	123428	3.610	ng/ul	98
51) 3-Nitroaniline	14.904	138	19802	4.216	ng/ul#	76
52) Acenaphthene	15.050	153	79063	3.548	ng/ul	92
53) 2,4-Dinitrophenol	15.086	184	11111	5.190	ng/ul#	66
55) 4-Nitrophenol	15.168	109	21635	4.528	ng/ul	100
56) Dibenzofuran	15.380	168	101142	3.501	ng/ul	88
57) 2,4-Dinitrotoluene	15.344	165	23422	4.419	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.585	232	18790	3.968	ng/ul#	91
59) Diethylphthalate	15.773	149	97495	3.578	ng/ul	97
61) Fluorene	16.032	166	93577	3.752	ng/ul	92
62) 4-Chlorophenyl-phenyle...	16.014	204	40071	3.759	ng/ul	95
63) 4-Nitroaniline	16.061	138	21858	4.385	ng/ul#	70
66) 4,6-Dinitro-2-methylph...	16.085	198	12904	4.117	ng/ul#	89
67) N-Nitrosodiphenylamine	16.231	169	78890	3.676	ng/ul	90
68) 4-Bromophenyl-phenylether	16.913	248	22166	3.527	ng/ul	88
69) Hexachlorobenzene	17.001	284	25464	3.506	ng/ul	90
70) Atrazine	17.166	200	28389m	4.269	ng/ul	
71) Pentachlorophenol	17.354	266	18056m	4.352	ng/ul	
72) Phenanthrene	17.777	178	147797	3.620	ng/ul	96
74) Anthracene	17.871	178	144290	3.500	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.781	216	29007	3.468	ng/uL	94
76) Pentachlorobenzene	15.274	250	33287m	4.194	ng/uL	
77) Carbazole	18.147	167	134528	3.799	ng/ul	95
78) Di-n-butylphthalate	18.658	149	172399	3.543	ng/ul	98
80) Fluoranthene	19.774	202	160235	3.601	ng/ul#	95
82) Pyrene	20.139	202	168953	3.655	ng/ul#	95
83) Butylbenzylphthalate	21.002	149	75562	3.620	ng/ul#	96
84) 3,3'-Dichlorobenzidine	21.960	252	56962	4.170	ng/ul	94
85) Benzo(a)anthracene	22.054	228	154832	3.582	ng/ul	92
86) Bis(2-ethylhexyl)phtha...	21.895	149	120620	3.872	ng/ul	96
87) Chrysene	22.125	228	146600	3.646	ng/ul	97
89) Di-n-octyl phthalate	23.253	149	195379	3.992	ng/ul	100
90) Benzo(b)fluoranthene	24.510	252	146837m	3.623	ng/ul	
91) Benzo(k)fluoranthene	24.586	252	146192	3.611	ng/ul	94
93) Benzo(a)pyrene	25.515	252	147614m	3.854	ng/ul	
94) Indeno(1,2,3-cd)pyrene	29.868	276	183900m	3.788	ng/ul	
95) Dibenzo(a,h)anthracene	29.951	278	156079m	3.893	ng/ul	
96) Benzo(g,h,i)perylene	31.179	276	140333m	3.532	ng/ul	

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

