

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103023\
 Data File : BG059549.D
 Acq On : 30 Oct 2023 17:21
 Operator : MA/JU
 Sample : 04696-05
 Misc : SFAM-MDL-ME-SOIL-01
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT4-2023-07

Quant Time: Oct 31 04:57:18 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 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.358	152	69798	20.000	ng/ul	0.00
20) Naphthalene-d8	11.207	136	315612	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.991	164	202804	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.741	188	636102m	20.000	ng/ul	0.00
79) Chrysene-d12	22.077	240	516507	20.000	ng/ul	0.00
88) Perylene-d12	25.691	264	539476	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.652	96	10241	5.490	ng/uL	0.00
4) Pyridine-d5	4.092	84	149440	28.666	ng/ul	0.00
7) Phenol-d5	7.471	99	164071	22.875	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.676	67	75496	22.916	ng/ul	0.00
11) 2-Chlorophenol-d4	7.870	132	129960	22.334	ng/ul	0.00
15) 4-Methylphenol-d8	9.039	113	132978	23.369	ng/ul	0.00
21) Nitrobenzene-d5	9.562	128	64549	28.764	ng/ul	0.00
24) 2-Nitrophenol-d4	10.279	143	65562	28.458	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.802	165	118680	23.382	ng/ul	0.00
31) 4-Chloroaniline-d4	11.348	131	191490	22.918	ng/ul	0.00
46) Dimethylphthalate-d6	14.386	166	377121	20.525	ng/ul	0.00
49) Acenaphthylene-d8	14.692	160	467787	21.694	ng/ul	0.00
54) 4-Nitrophenol-d4	15.156	143	79556	25.249	ng/ul	0.00
60) Fluorene-d10	15.978	176	334305	21.290	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.078	200	47992	15.932	ng/ul	0.00
73) Anthracene-d10	17.841	188	730680	21.203	ng/ul	0.00
81) Pyrene-d10	20.109	212	807766	22.500	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.444	264	732045	23.044	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.687	88	2158	1.034	ng/uL#	77
5) Pyridine	4.110	79	23696	4.608	ng/ul#	77
6) Benzaldehyde	7.506	77	16108	4.986	ng/ul#	79
8) Phenol	7.494	94	25070	3.708	ng/ul#	93
10) Bis(2-Chloroethyl)ether	7.770	93	20096	4.053	ng/ul	96
12) 2-Chlorophenol	7.905	128	21719	3.765	ng/ul#	90
13) 2-Methylphenol	8.775	108	21281m	3.775	ng/ul	
14) 2,2'-oxybis(1-Chloropr...	8.875	45	15216m	3.261	ng/ul	
16) Acetophenone	9.198	105	35445	3.952	ng/ul#	77
17) N-Nitroso-di-n-propyla...	9.163	70	14132	3.344	ng/ul#	88
18) 4-Methylphenol	9.104	108	22644	3.775	ng/ul	98
19) Hexachloroethane	9.445	117	8467	3.695	ng/ul#	92
22) Nitrobenzene	9.598	77	23577	4.867	ng/ul#	91
23) Isophorone	10.109	82	42136	3.454	ng/ul#	84
25) 2-Nitrophenol	10.309	139	11546	4.660	ng/ul#	91
26) 2,4-Dimethylphenol	10.326	107	23270	3.571	ng/ul	93
27) Bis(2-Chloroethoxy)met...	10.596	93	22996	3.386	ng/ul#	89
29) 2,4-Dichlorophenol	10.826	162	21389	4.356	ng/ul#	78
30) Naphthalene	11.260	128	77549	3.942	ng/ul#	96
32) 4-Chloroaniline	11.372	127	28747	3.622	ng/ul	89
33) Hexachlorobutadiene	11.495	225	10769	3.656	ng/ul#	89
34) Caprolactam	12.136	113	7595m	4.228	ng/ul	
35) 4-Chloro-3-methylphenol	12.441	107	25155	4.293	ng/ul#	70
36) 2-Methylnaphthalene	12.835	142	49968	3.692	ng/ul	95

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37) 1-Methylnaphthalene	13.058	142	50520	3.748	ng/ul#	98
39) 1,2,4,5-Tetrachloroben...	13.176	216	19539	3.340	ng/ul#	93
40) Hexachlorocyclopentadiene	13.135	237	12216	3.583	ng/ul#	81
41) 2,4,6-Trichlorophenol	13.417	196	15484	3.823	ng/ul#	93
42) 2,4,5-Trichlorophenol	13.481	196	16127	3.678	ng/ul	98
43) 1,1'-Biphenyl	13.828	154	63249	3.447	ng/ul	97
44) 2-Chloronaphthalene	13.875	162	50131	3.516	ng/ul#	86
45) 2-Nitroaniline	14.092	65	10592	3.992	ng/ul	97
47) Dimethylphthalate	14.433	163	62595	3.448	ng/ul#	98
48) 2,6-Dinitrotoluene	14.574	165	9244	3.376	ng/ul#	93
50) Acenaphthylene	14.721	152	89163	3.589	ng/ul	96
51) 3-Nitroaniline	14.903	138	13943	4.085	ng/ul#	84
52) Acenaphthene	15.050	153	57518	3.552	ng/ul	95
53) 2,4-Dinitrophenol	15.097	184	6776	4.355	ng/ul	92
55) 4-Nitrophenol	15.168	109	16267	4.685	ng/ul	87
56) Dibenzofuran	15.385	168	77553	3.694	ng/ul	94
57) 2,4-Dinitrotoluene	15.338	165	15885	4.124	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.585	232	13485	3.918	ng/ul	97
59) Diethylphthalate	15.779	149	69532	3.511	ng/ul	99
61) Fluorene	16.031	166	62603	3.454	ng/ul	95
62) 4-Chlorophenyl-phenyle...	16.014	204	28597	3.692	ng/ul	90
63) 4-Nitroaniline	16.066	138	15517	4.284	ng/ul#	70
66) 4,6-Dinitro-2-methylph...	16.090	198	10285m	3.240	ng/ul	
67) N-Nitrosodiphenylamine	16.231	169	57995	2.668	ng/ul	93
68) 4-Bromophenyl-phenylether	16.918	248	17250m	2.710	ng/ul	
69) Hexachlorobenzene	17.001	284	20978	2.852	ng/ul#	83
70) Atrazine	17.165	200	23589m	3.502	ng/ul	
71) Pentachlorophenol	17.359	266	17914m	4.263	ng/ul	
72) Phenanthrene	17.782	178	149241	3.609	ng/ul	94
74) Anthracene	17.876	178	147761	3.539	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.781	216	20117	2.375	ng/uL	88
76) Pentachlorobenzene	15.279	250	21656m	2.694	ng/uL	
77) Carbazole	18.146	167	134602	3.753	ng/ul	98
78) Di-n-butylphthalate	18.663	149	174749	3.546	ng/ul	99
80) Fluoranthene	19.774	202	165856	3.790	ng/ul#	95
82) Pyrene	20.138	202	168642	3.710	ng/ul	99
83) Butylbenzylphthalate	21.008	149	78925	3.844	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.971	252	59883	4.458	ng/ul#	79
85) Benzo(a)anthracene	22.059	228	153046	3.601	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.907	149	114701	3.744	ng/ul#	93
87) Chrysene	22.124	228	141545m	3.580	ng/ul	
89) Di-n-octyl phthalate	23.258	149	192962	4.085	ng/ul	100
90) Benzo(b)fluoranthene	24.515	252	146129	3.737	ng/ul	94
91) Benzo(k)fluoranthene	24.592	252	150180m	3.845	ng/ul	
93) Benzo(a)pyrene	25.514	252	134196	3.631	ng/ul#	91
94) Indeno(1,2,3-cd)pyrene	29.856	276	169334m	3.615	ng/ul	
95) Dibenzo(a,h)anthracene	29.974	278	143868m	3.718	ng/ul	
96) Benzo(g,h,i)perylene	31.196	276	137500m	3.586	ng/ul	

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

