

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101623\
 Data File : BG059458.D
 Acq On : 16 Oct 2023 15:46
 Operator : MA/JU
 Sample : 03573-05
 Misc : SFAM-MDL-ME-SOIL-01
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-05

Quant Time: Oct 17 03:46:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 17:05:49 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/17/2023
 Supervised By :mohammad ahmed 10/18/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	31064	20.000	ng/u1	0.00
20) Naphthalene-d8	11.064	136	144798	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.859	164	95233	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.603	188	220373	20.000	ng/u1	0.00
79) Chrysene-d12	21.910	240	230015	20.000	ng/u1	0.00
88) Perylene-d12	25.382	264	260169	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.514	96	5581	5.634	ng/uL	0.00
4) Pyridine-d5	3.948	84	111941	41.289	ng/u1	0.00
7) Phenol-d5	7.344	99	84791	24.930	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.538	67	50347	25.973	ng/u1	0.00
11) 2-Chlorophenol-d4	7.732	132	62999	26.031	ng/u1	0.00
15) 4-Methylphenol-d8	8.907	113	60343	23.268	ng/u1	0.00
21) Nitrobenzene-d5	9.419	128	31679	26.492	ng/u1	0.00
24) 2-Nitrophenol-d4	10.135	143	34822	29.831	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.658	165	56425	23.261	ng/u1	0.00
31) 4-Chloroaniline-d4	11.205	131	88500	22.989	ng/u1	0.00
46) Dimethylphthalate-d6	14.248	166	203726	25.249	ng/u1	0.00
49) Acenaphthylene-d8	14.554	160	238164	24.480	ng/u1	0.00
54) 4-Nitrophenol-d4	15.041	143	31527	22.621	ng/u1	0.00
60) Fluorene-d10	15.840	176	226403	29.810	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.958	200	40070	29.758	ng/u1	0.00
73) Anthracene-d10	17.703	188	282888	24.968	ng/u1	0.00
81) Pyrene-d10	19.977	212	351606	25.167	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.141	264	373621	26.231	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.549	88	1442	1.170	ng/uL#	87
5) Pyridine	3.972	79	17668	6.598	ng/u1#	72
6) Benzaldehyde	7.362	77	8383	5.606	ng/u1#	79
8) Phenol	7.374	94	12904	3.808	ng/u1#	93
10) Bis(2-Chloroethyl)ether	7.632	93	11252	4.236	ng/u1	86
12) 2-Chlorophenol	7.768	128	10393	4.184	ng/u1	90
13) 2-Methylphenol	8.649	108	9626	3.874	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.737	45	23256	4.182	ng/u1#	93
16) Acetophenone	9.054	105	15510	3.984	ng/u1	93
17) N-Nitroso-di-n-propyla...	9.019	70	7217	4.043	ng/u1#	92
18) 4-Methylphenol	8.978	108	9689	3.598	ng/u1	88
19) Hexachloroethane	9.301	117	4258	4.451	ng/u1#	68
22) Nitrobenzene	9.460	77	11864	4.447	ng/u1#	86
23) Isophorone	9.965	82	24053	4.245	ng/u1#	89
25) 2-Nitrophenol	10.165	139	5611	4.395	ng/u1#	84
26) 2,4-Dimethylphenol	10.188	107	10002m	3.742	ng/u1	
27) Bis(2-Chloroethoxy)met...	10.447	93	14151	3.909	ng/u1#	91
29) 2,4-Dichlorophenol	10.694	162	9474	4.053	ng/u1#	82
30) Naphthalene	11.111	128	36125	4.145	ng/u1#	91
32) 4-Chloroaniline	11.228	127	15416	4.265	ng/u1	98
33) Hexachlorobutadiene	11.340	225	7225	4.672	ng/u1#	88
34) Caprolactam	12.004	113	3917m	4.744	ng/u1	
35) 4-Chloro-3-methylphenol	12.303	107	8557	3.583	ng/u1	93
36) 2-Methylnaphthalene	12.697	142	21865	3.888	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.914	142	23486	4.102	ng/ul	83
39) 1,2,4,5-Tetrachloroben...	13.044	216	12084	3.929	ng/ul#	89
40) Hexachlorocyclopentadiene	12.991	237	8701	4.891	ng/ul	88
41) 2,4,6-Trichlorophenol	13.285	196	6558	3.469	ng/ul#	86
42) 2,4,5-Trichlorophenol	13.361	196	8173	3.929	ng/ul	95
43) 1,1'-Biphenyl	13.690	154	32578	3.825	ng/ul	94
44) 2-Chloronaphthalene	13.743	162	25449	3.905	ng/ul	97
45) 2-Nitroaniline	13.966	65	6397	3.695	ng/ul#	85
47) Dimethylphthalate	14.295	163	32755	4.051	ng/ul#	97
48) 2,6-Dinitrotoluene	14.442	165	5570	3.740	ng/ul#	88
50) Acenaphthylene	14.583	152	40528	3.942	ng/ul#	94
51) 3-Nitroaniline	14.783	138	5403	3.423	ng/ul	81
52) Acenaphthene	14.918	153	27829	3.955	ng/ul	95
53) 2,4-Dinitrophenol	14.983	184	4970	6.307	ng/ul	98
55) 4-Nitrophenol	15.059	109	3530	3.601	ng/ul	93
56) Dibenzofuran	15.253	168	37089	3.899	ng/ul	89
57) 2,4-Dinitrotoluene	15.223	165	8932	4.264	ng/ul#	84
58) 2,3,4,6-Tetrachlorophenol	15.464	232	9705	5.221	ng/ul#	82
59) Diethylphthalate	15.641	149	39746	5.086	ng/ul#	89
61) Fluorene	15.899	166	41002	5.137	ng/ul	90
62) 4-Chlorophenyl-phenyle...	15.882	204	19209	4.794	ng/ul	98
63) 4-Nitroaniline	15.940	138	7386	4.833	ng/ul#	57
66) 4,6-Dinitro-2-methylph...	15.970	198	6893	4.787	ng/ul#	75
67) N-Nitrosodiphenylamine	16.099	169	34654	5.380	ng/ul	93
68) 4-Bromophenyl-phenylether	16.780	248	10305	4.266	ng/ul	97
69) Hexachlorobenzene	16.869	284	12050	4.351	ng/ul	93
70) Atrazine	17.033	200	11078	4.358	ng/ul#	93
71) Pentachlorophenol	17.227	266	9081	5.786	ng/ul	87
72) Phenanthrene	17.644	178	57742	4.214	ng/ul	97
74) Anthracene	17.738	178	55720	3.945	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.649	216	11525	3.631	ng/uL#	81
76) Pentachlorobenzene	15.147	250	13964	4.547	ng/uL#	89
77) Carbazole	18.014	167	45834	3.771	ng/ul	97
78) Di-n-butylphthalate	18.520	149	57258	4.139	ng/ul	99
80) Fluoranthene	19.642	202	70879	4.177	ng/ul	99
82) Pyrene	20.006	202	74933	4.155	ng/ul#	93
83) Butylbenzylphthalate	20.864	149	24285	3.988	ng/ul	84
84) 3,3'-Dichlorobenzidine	21.798	252	30333	5.087	ng/ul#	84
85) Benzo(a)anthracene	21.886	228	77157	4.252	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.716	149	34158	3.889	ng/ul	91
87) Chrysene	21.957	228	70898	4.146	ng/ul	96
89) Di-n-octyl phthalate	23.008	149	58058	3.771	ng/ul	100
90) Benzo(b)fluoranthene	24.260	252	75575	4.277	ng/ul	94
91) Benzo(k)fluoranthene	24.325	252	73140	4.037	ng/ul	95
93) Benzo(a)pyrene	25.218	252	72225	4.262	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.383	276	79436m	4.169	ng/ul	
95) Dibenzo(a,h)anthracene	29.477	278	63559m	4.036	ng/ul	
96) Benzo(g,h,i)perylene	30.658	276	63627m	4.112	ng/ul	

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

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