

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010923\
 Data File : BG056231.D
 Acq On : 9 Jan 2023 12:25
 Operator : CG/JU
 Sample : N4239-03
 Misc : SFAM-MDL-S-01-4PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT3-2022-05

Quant Time: Jan 09 13:54:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG010423.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 05 01:03:13 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/10/2023
 Supervised By :mohammad ahmed 01/12/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.332	152	49478	20.000	ng/u1	0.00
20) Naphthalene-d8	11.164	136	193639	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.942	164	166227	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.680	188	413948	20.000	ng/u1	0.00
79) Chrysene-d12	21.975	240	398517	20.000	ng/u1	# 0.00
88) Perylene-d12	25.435	264	420664	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.631	96	4536	4.152	ng/uL	0.00
4) Pyridine-d5	4.066	84	44290	12.692	ng/u1	0.00
7) Phenol-d5	7.462	99	77389	17.729	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.638	67	34495	19.272	ng/u1	0.00
11) 2-Chlorophenol-d4	7.856	132	52385	17.936	ng/u1	0.00
15) 4-Methylphenol-d8	9.019	113	60738	17.463	ng/u1	0.00
21) Nitrobenzene-d5	9.501	128	28721	18.783	ng/u1	0.00
24) 2-Nitrophenol-d4	10.230	143	35543	17.774	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.770	165	67860	17.024	ng/u1	0.00
31) 4-Chloroaniline-d4	11.287	131	80150	17.868	ng/u1	0.00
46) Dimethylphthalate-d6	14.331	166	234497	17.779	ng/u1	0.00
49) Acenaphthylene-d8	14.642	160	261885	18.075	ng/u1	0.00
54) 4-Nitrophenol-d4	15.106	143	31596	15.175	ng/u1	0.00
60) Fluorene-d10	15.929	176	220987	17.938	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.029	200	41902	14.407	ng/u1	0.00
73) Anthracene-d10	17.780	188	345028	18.135	ng/u1	0.00
81) Pyrene-d10	20.042	212	415914	17.838	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.194	264	395158	18.318	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.673	88	1433m	1.177	ng/uL	
5) Pyridine	4.096	79	13749	4.025	ng/u1	95
6) Benzaldehyde	7.456	77	8894	5.808	ng/u1	94
8) Phenol	7.486	94	18033	4.183	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.732	93	13781	4.617	ng/u1	95
12) 2-Chlorophenol	7.891	128	12460	4.339	ng/u1	98
13) 2-Methylphenol	8.761	108	13757	4.154	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.849	45	2420m	4.461	ng/u1	
16) Acetophenone	9.154	105	22395	4.185	ng/u1	94
17) N-Nitroso-di-n-propyla...	9.131	70	10110	4.265	ng/u1	93
18) 4-Methylphenol	9.084	108	14314	3.980	ng/u1	98
19) Hexachloroethane	9.436	117	5124	4.584	ng/u1#	76
22) Nitrobenzene	9.548	77	14745	4.247	ng/u1	92
23) Isophorone	10.065	82	31108	4.250	ng/u1	96
25) 2-Nitrophenol	10.265	139	8600	4.457	ng/u1#	78
26) 2,4-Dimethylphenol	10.300	107	17314	4.381	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.541	93	18169	4.432	ng/u1#	95
29) 2,4-Dichlorophenol	10.794	162	16256	4.325	ng/u1	98
30) Naphthalene	11.217	128	45775	4.516	ng/u1	98
32) 4-Chloroaniline	11.311	127	19627	4.283	ng/u1	94
33) Hexachlorobutadiene	11.493	225	14741	4.572	ng/u1	91
34) Caprolactam	12.051	113	5359m	4.543	ng/u1	
35) 4-Chloro-3-methylphenol	12.398	107	14986	4.064	ng/u1	87
36) 2-Methylnaphthalene	12.791	142	33989	4.390	ng/u1	93

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37) 1-Methylnaphthalene	13.009	142	32930	4.136	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	13.150	216	28069	4.362	ng/ul	98
40) Hexachlorocyclopentadiene	13.132	237	15527	3.550	ng/ul	98
41) 2,4,6-Trichlorophenol	13.379	196	16412	4.017	ng/ul	95
42) 2,4,5-Trichlorophenol	13.449	196	18066m	4.066	ng/ul	
43) 1,1'-Biphenyl	13.778	154	52264	4.368	ng/ul	94
44) 2-Chloronaphthalene	13.831	162	41459	4.225	ng/ul	98
45) 2-Nitroaniline	14.019	65	6598	3.523	ng/ul#	65
47) Dimethylphthalate	14.378	163	53954	4.139	ng/ul	98
48) 2,6-Dinitrotoluene	14.501	165	10908	3.985	ng/ul	97
50) Acenaphthylene	14.666	152	62410	4.253	ng/ul#	94
51) 3-Nitroaniline	14.836	138	9942	4.796	ng/ul	95
52) Acenaphthene	15.006	153	44757	4.407	ng/ul	98
53) 2,4-Dinitrophenol	15.036	184	7173	3.665	ng/ul#	91
55) 4-Nitrophenol	15.124	109	6775	3.479	ng/ul	91
56) Dibenzofuran	15.335	168	68866	4.387	ng/ul	99
57) 2,4-Dinitrotoluene	15.282	165	15864	4.067	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.553	232	15588	3.623	ng/ul#	93
59) Diethylphthalate	15.723	149	51311	4.233	ng/ul	99
61) Fluorene	15.982	166	54396	4.302	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.964	204	33899	4.288	ng/ul	96
63) 4-Nitroaniline	15.988	138	8597	4.533	ng/ul#	83
66) 4,6-Dinitro-2-methylph...	16.040	198	11751	4.233	ng/ul#	82
67) N-Nitrosodiphenylamine	16.176	169	47525	4.302	ng/ul	98
68) 4-Bromophenyl-phenylether	16.857	248	21914	4.127	ng/ul	99
69) Hexachlorobenzene	16.986	284	23087	4.391	ng/ul#	94
70) Atrazine	17.104	200	21558	4.281	ng/ul	96
71) Pentachlorophenol	17.321	266	11008m	3.283	ng/ul	
72) Phenanthrene	17.721	178	91974	4.358	ng/ul	98
74) Anthracene	17.809	178	92120	4.299	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.755	216	26526	4.252	ng/uL	98
76) Pentachlorobenzene	15.253	250	25722	4.029	ng/uL	96
77) Carbazole	18.073	167	75844	4.312	ng/ul	100
78) Di-n-butylphthalate	18.608	149	76361	4.114	ng/ul	98
80) Fluoranthene	19.707	202	116375	4.220	ng/ul	100
82) Pyrene	20.071	202	116226	4.215	ng/ul	99
83) Butylbenzylphthalate	20.929	149	31617	3.909	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.851	252	45587	4.838	ng/ul#	99
85) Benzo(a)anthracene	21.957	228	118246	4.303	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.822	149	47778	4.085	ng/ul	95
87) Chrysene	22.027	228	111346	4.357	ng/ul	95
89) Di-n-octyl phthalate	23.114	149	82397	4.266	ng/ul	100
90) Benzo(b)fluoranthene	24.325	252	121276	4.318	ng/ul	97
91) Benzo(k)fluoranthene	24.395	252	119229	4.339	ng/ul	100
93) Benzo(a)pyrene	25.271	252	106904	4.348	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.395	276	137208	4.242	ng/ul	98
95) Dibenzo(a,h)anthracene	29.460	278	114751m	4.245	ng/ul	
96) Benzo(g,h,i)perylene	30.653	276	108109	4.134	ng/ul#	96

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

