

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010623\
 Data File : BG056222.D
 Acq On : 6 Jan 2023 12:28
 Operator : CG/JU
 Sample : N5388-04
 Misc : SFAM-MDL-S-02-4PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT4-2022-08

Quant Time: Jan 06 13:02:39 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 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.332	152	57500	20.000	ng/ul	0.00
20) Naphthalene-d8	11.164	136	224963	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.942	164	193011	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.680	188	488478	20.000	ng/ul	0.00
79) Chrysene-d12	21.975	240	472174	20.000	ng/ul	0.00
88) Perylene-d12	25.436	264	484253	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.632	96	4744	3.737	ng/uL	0.00
4) Pyridine-d5	4.066	84	44277	10.918	ng/ul	0.00
7) Phenol-d5	7.457	99	79687	15.709	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.639	67	35261	16.951	ng/ul	0.00
11) 2-Chlorophenol-d4	7.856	132	54563	16.075	ng/ul	0.00
15) 4-Methylphenol-d8	9.025	113	61519	15.220	ng/ul	0.00
21) Nitrobenzene-d5	9.501	128	27973	15.746	ng/ul	0.00
24) 2-Nitrophenol-d4	10.236	143	37660	16.211	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.770	165	73173	15.801	ng/ul	0.00
31) 4-Chloroaniline-d4	11.287	131	79729	15.299	ng/ul	0.00
46) Dimethylphthalate-d6	14.331	166	252281	16.473	ng/ul	0.00
49) Acenaphthylene-d8	14.642	160	271556	16.141	ng/ul	0.00
54) 4-Nitrophenol-d4	15.107	143	34698	14.352	ng/ul	0.00
60) Fluorene-d10	15.929	176	229896	16.071	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.029	200	47270	13.773	ng/ul	0.00
73) Anthracene-d10	17.774	188	366372	16.318	ng/ul	0.00
81) Pyrene-d10	20.042	212	446027	16.145	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.189	264	415748	16.742	ng/ul	0.00
Target Compounds						
				Qvalue		
2) 1,4-Dioxane	3.679	88	2379m	1.681	ng/uL	
5) Pyridine	4.090	79	12942	3.260	ng/ul#	88
6) Benzaldehyde	7.463	77	9351	5.254	ng/ul	86
8) Phenol	7.486	94	21309	4.254	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.733	93	15195	4.381	ng/ul	95
12) 2-Chlorophenol	7.886	128	13772	4.126	ng/ul	97
13) 2-Methylphenol	8.761	108	15898	4.131	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.855	45	2858m	4.534	ng/ul	
16) Acetophenone	9.155	105	26915	4.328	ng/ul#	97
17) N-Nitroso-di-n-propyla...	9.131	70	11421	4.146	ng/ul#	95
18) 4-Methylphenol	9.090	108	16752	4.008	ng/ul	99
19) Hexachloroethane	9.431	117	5505	4.238	ng/ul	97
22) Nitrobenzene	9.548	77	17712	4.391	ng/ul#	94
23) Isophorone	10.065	82	35466	4.171	ng/ul#	98
25) 2-Nitrophenol	10.265	139	9997	4.459	ng/ul	88
26) 2,4-Dimethylphenol	10.306	107	18315	3.989	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.541	93	20404	4.284	ng/ul#	95
29) 2,4-Dichlorophenol	10.800	162	19768	4.527	ng/ul	98
30) Naphthalene	11.217	128	50827	4.317	ng/ul	95
32) 4-Chloroaniline	11.311	127	21165	3.975	ng/ul	94
33) Hexachlorobutadiene	11.493	225	17227	4.600	ng/ul	92
34) Caprolactam	12.057	113	5675	4.141	ng/ul#	86
35) 4-Chloro-3-methylphenol	12.404	107	17585	4.105	ng/ul#	85
36) 2-Methylnaphthalene	12.797	142	38878	4.323	ng/ul	98

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37) 1-Methylnaphthalene	13.015	142	30687	3.318	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	13.150	216	32026	4.286	ng/ul	88
40) Hexachlorocyclopentadiene	13.126	237	14236	2.803	ng/ul#	88
41) 2,4,6-Trichlorophenol	13.385	196	19141	4.035	ng/ul	87
42) 2,4,5-Trichlorophenol	13.455	196	21186	4.106	ng/ul	96
43) 1,1'-Biphenyl	13.779	154	59344	4.272	ng/ul	99
44) 2-Chloronaphthalene	13.832	162	48271	4.237	ng/ul	93
45) 2-Nitroaniline	14.020	65	8361	3.845	ng/ul#	84
47) Dimethylphthalate	14.378	163	63042	4.165	ng/ul	97
48) 2,6-Dinitrotoluene	14.501	165	12619	3.971	ng/ul#	88
50) Acenaphthylene	14.672	152	72328	4.245	ng/ul	99
51) 3-Nitroaniline	14.830	138	11183	4.646	ng/ul	98
52) Acenaphthene	15.007	153	48997	4.155	ng/ul	98
53) 2,4-Dinitrophenol	15.036	184	11336	4.988	ng/ul#	96
55) 4-Nitrophenol	15.118	109	8326	3.682	ng/ul	95
56) Dibenzofuran	15.336	168	78900	4.328	ng/ul	97
57) 2,4-Dinitrotoluene	15.283	165	17069	3.769	ng/ul#	83
58) 2,3,4,6-Tetrachlorophenol	15.553	232	18581	3.720	ng/ul#	99
59) Diethylphthalate	15.723	149	59266	4.211	ng/ul	99
61) Fluorene	15.982	166	62391	4.250	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.964	204	39004	4.249	ng/ul	98
63) 4-Nitroaniline	15.988	138	10678	4.849	ng/ul	95
66) 4,6-Dinitro-2-methylph...	16.047	198	14974	4.571	ng/ul#	86
67) N-Nitrosodiphenylamine	16.176	169	55977	4.294	ng/ul	96
68) 4-Bromophenyl-phenylether	16.857	248	27347	4.364	ng/ul	97
69) Hexachlorobenzene	16.987	284	25959	4.184	ng/ul	94
70) Atrazine	17.104	200	35845	6.033	ng/ul	98
71) Pentachlorophenol	17.322	266	14672	3.708	ng/ul	91
72) Phenanthrene	17.721	178	107439	4.314	ng/ul	97
74) Anthracene	17.809	178	107489	4.251	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.749	216	25028	3.400	ng/uL	94
76) Pentachlorobenzene	15.259	250	25030	3.323	ng/uL	96
77) Carbazole	18.074	167	88257	4.252	ng/ul	100
78) Di-n-butylphthalate	18.602	149	92627	4.229	ng/ul	99
80) Fluoranthene	19.707	202	137660	4.214	ng/ul	99
82) Pyrene	20.071	202	137871	4.220	ng/ul	98
83) Butylbenzylphthalate	20.929	149	37122	3.874	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.852	252	62124	5.564	ng/ul	92
85) Benzo(a)anthracene	21.951	228	137025	4.209	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.822	149	54688	3.947	ng/ul	100
87) Chrysene	22.022	228	128629	4.248	ng/ul	99
89) Di-n-octyl phthalate	23.109	149	97993	4.408	ng/ul	100
90) Benzo(b)fluoranthene	24.319	252	137696	4.259	ng/ul	97
91) Benzo(k)fluoranthene	24.396	252	136459	4.313	ng/ul	95
93) Benzo(a)pyrene	25.259	252	126042	4.453	ng/ul#	96
94) Indeno(1,2,3-cd)pyrene	29.401	276	160521	4.311	ng/ul	99
95) Dibenzo(a,h)anthracene	29.460	278	136025m	4.371	ng/ul	
96) Benzo(g,h,i)perylene	30.641	276	128700	4.275	ng/ul#	92

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

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