

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081922\
 Data File : BG054662.D
 Acq On : 19 Aug 2022 12:02
 Operator : CG/JU
 Sample : N3670-04
 Misc : MDL-SOIL-4ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT2-2022-04

Quant Time: Aug 20 02:45:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG081722.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 18 03:22:26 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/22/2022
 Supervised By :Sohil Jodhani 08/24/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.159	152	49643	20.000	ng/u1	0.00
20) Naphthalene-d8	10.985	136	199587	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.793	164	128989	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.536	188	289697	20.000	ng/u1	0.00
79) Chrysene-d12	21.831	240	287021	20.000	ng/u1	-0.01
88) Perylene-d12	25.210	264	286955	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.512	96	5737	4.571	ng/uL	0.00
4) Pyridine-d5	3.935	84	76207	20.377	ng/u1	0.00
7) Phenol-d5	7.295	99	91495	21.677	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.478	67	58610	21.702	ng/u1	0.00
11) 2-Chlorophenol-d4	7.683	132	67160	22.498	ng/u1	0.00
15) 4-Methylphenol-d8	8.852	113	71031	22.278	ng/u1	0.00
21) Nitrobenzene-d5	9.334	128	31149	24.863	ng/u1	0.00
24) 2-Nitrophenol-d4	10.057	143	25569	22.796	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.592	165	66738	22.697	ng/u1	0.00
31) 4-Chloroaniline-d4	11.114	131	99339	23.533	ng/u1	0.00
46) Dimethylphthalate-d6	14.193	166	218503	24.654	ng/u1	0.00
49) Acenaphthylene-d8	14.487	160	282318	26.604	ng/u1	0.00
54) 4-Nitrophenol-d4	14.957	143	30148	21.524	ng/u1	0.00
60) Fluorene-d10	15.780	176	195080	24.273	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.879	200	17601	17.841	ng/u1	0.00
73) Anthracene-d10	17.636	188	311067	24.687	ng/u1	0.00
81) Pyrene-d10	19.916	212	361863	24.305	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.975	264	340012	24.129	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.547	88	1800	1.273	ng/uL#	88
5) Pyridine	3.958	79	16336	4.373	ng/u1#	85
6) Benzaldehyde	7.295	77	11646	5.642	ng/u1	96
8) Phenol	7.325	94	17324	4.121	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.572	93	14757	4.315	ng/u1	98
12) 2-Chlorophenol	7.718	128	12770	3.983	ng/u1	98
13) 2-Methylphenol	8.594	108	12222	3.804	ng/u1	93
14) 2,2'-oxybis(1-Chloropr...	8.688	45	22135	3.951	ng/u1	98
16) Acetophenone	8.988	105	20948	4.211	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.964	70	11196	4.142	ng/u1	97
18) 4-Methylphenol	8.917	108	13563	4.045	ng/u1	99
19) Hexachloroethane	9.258	117	5296	4.055	ng/u1	97
22) Nitrobenzene	9.375	77	14766	4.482	ng/u1	90
23) Isophorone	9.892	82	29418	4.122	ng/u1	98
25) 2-Nitrophenol	10.086	139	5244	3.963	ng/u1	94
26) 2,4-Dimethylphenol	10.133	107	14629	4.130	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.380	93	18802	4.278	ng/u1	98
29) 2,4-Dichlorophenol	10.621	162	11947	4.211	ng/u1	95
30) Naphthalene	11.038	128	46126	4.483	ng/u1	99
32) 4-Chloroaniline	11.138	127	18781	4.350	ng/u1	96
33) Hexachlorobutadiene	11.314	225	9065	4.260	ng/u1	98
34) Caprolactam	11.902	113	4345m	4.488	ng/u1	
35) 4-Chloro-3-methylphenol	12.237	107	12159	3.930	ng/u1	97
36) 2-Methylnaphthalene	12.630	142	30553	4.352	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.848	142	31978	4.585	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.989	216	17202	4.382	ng/ul	99
40) Hexachlorocyclopentadiene	12.971	237	12572	5.046	ng/ul	98
41) 2,4,6-Trichlorophenol	13.230	196	8199	3.558	ng/ul	97
42) 2,4,5-Trichlorophenol	13.294	196	9464	3.772	ng/ul	96
43) 1,1'-Biphenyl	13.629	154	41948	4.504	ng/ul	99
44) 2-Chloronaphthalene	13.676	162	32299	4.577	ng/ul	96
45) 2-Nitroaniline	13.864	65	6410	3.872	ng/ul	95
47) Dimethylphthalate	14.234	163	40513	4.527	ng/ul	98
48) 2,6-Dinitrotoluene	14.358	165	5434	3.880	ng/ul	92
50) Acenaphthylene	14.516	152	52936	4.507	ng/ul	97
51) 3-Nitroaniline	14.687	138	6327	4.246	ng/ul#	99
52) Acenaphthene	14.857	153	34792	4.457	ng/ul	99
53) 2,4-Dinitrophenol	14.887	184	2487	3.557	ng/ul	95
55) 4-Nitrophenol	14.969	109	4897	4.249	ng/ul	96
56) Dibenzofuran	15.186	168	48920	4.550	ng/ul	99
57) 2,4-Dinitrotoluene	15.139	165	8045	4.236	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.404	232	7249	3.589	ng/ul#	96
59) Diethylphthalate	15.597	149	38904	4.381	ng/ul	98
61) Fluorene	15.832	166	40604	4.632	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.827	204	20383	4.539	ng/ul	99
63) 4-Nitroaniline	15.844	138	6650m	4.785	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.897	198	4217	4.007	ng/ul#	99
67) N-Nitrosodiphenylamine	16.038	169	33814	4.322	ng/ul	97
68) 4-Bromophenyl-phenylether	16.720	248	13289	4.449	ng/ul	94
69) Hexachlorobenzene	16.837	284	15239	4.471	ng/ul	97
70) Atrazine	16.978	200	13598	4.572	ng/ul	97
71) Pentachlorophenol	17.178	266	7521	3.994	ng/ul	94
72) Phenanthrene	17.583	178	65626	4.554	ng/ul	99
74) Anthracene	17.672	178	66869	4.607	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.594	216	18618	4.471	ng/uL	96
76) Pentachlorobenzene	15.104	250	19337	4.875	ng/uL	95
77) Carbazole	17.936	167	57682	4.489	ng/ul	98
78) Di-n-butylphthalate	18.488	149	63506	4.225	ng/ul	99
80) Fluoranthene	19.581	202	81611	4.382	ng/ul	98
82) Pyrene	19.945	202	83518	4.512	ng/ul	99
83) Butylbenzylphthalate	20.827	149	21409	3.378	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.720	252	23695	3.811	ng/ul#	95
85) Benzo(a)anthracene	21.814	228	78685	4.411	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.714	149	33554	3.526	ng/ul	99
87) Chrysene	21.878	228	76273	4.444	ng/ul	99
89) Di-n-octyl phthalate	22.989	149	52529	3.302	ng/ul	100
90) Benzo(b)fluoranthene	24.129	252	76620	4.227	ng/ul	99
91) Benzo(k)fluoranthene	24.193	252	73447	4.373	ng/ul	98
93) Benzo(a)pyrene	25.045	252	73761	4.236	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.076	276	84735m	4.143	ng/ul	
95) Dibenzo(a,h)anthracene	29.158	278	73218	4.234	ng/ul	97
96) Benzo(g,h,i)perylene	30.286	276	72664	4.259	ng/ul	97

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

