

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081922\
 Data File : BG054664.D
 Acq On : 19 Aug 2022 14:18
 Operator : CG/JU
 Sample : N3670-06
 Misc : MDL-MED-SOIL-4ppm
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 20 02:46:56 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.161	152	51803	20.000	ng/u1	0.00
20) Naphthalene-d8	10.987	136	211711	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.795	164	137065	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.538	188	304580	20.000	ng/u1	0.00
79) Chrysene-d12	21.833	240	294932	20.000	ng/u1	0.00
88) Perylene-d12	25.218	264	302578	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.514	96	6050	4.620	ng/uL	0.00
4) Pyridine-d5	3.937	84	76716	19.657	ng/u1	0.00
7) Phenol-d5	7.298	99	96366	21.880	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.480	67	62198	22.070	ng/u1	0.00
11) 2-Chlorophenol-d4	7.685	132	70784	22.724	ng/u1	0.00
15) 4-Methylphenol-d8	8.855	113	75731	22.762	ng/u1	0.00
21) Nitrobenzene-d5	9.330	128	33870	25.487	ng/u1	0.00
24) 2-Nitrophenol-d4	10.059	143	26762	22.493	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.594	165	71251	22.844	ng/u1	0.00
31) 4-Chloroaniline-d4	11.117	131	104784	23.402	ng/u1	0.00
46) Dimethylphthalate-d6	14.189	166	232186	24.654	ng/u1	0.00
49) Acenaphthylene-d8	14.489	160	301178	26.709	ng/u1	0.00
54) 4-Nitrophenol-d4	14.959	143	31725	21.316	ng/u1	0.00
60) Fluorene-d10	15.782	176	206615	24.194	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.882	200	19192	18.503	ng/u1	0.00
73) Anthracene-d10	17.638	188	324286	24.478	ng/u1	0.00
81) Pyrene-d10	19.918	212	373562	24.418	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.977	264	356620	24.001	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.549	88	2346	1.589	ng/uL	89
5) Pyridine	3.960	79	16944	4.347	ng/u1	90
6) Benzaldehyde	7.292	77	12400	5.756	ng/u1	96
8) Phenol	7.327	94	17560	4.003	ng/u1#	93
10) Bis(2-Chloroethyl)ether	7.574	93	14690	4.117	ng/u1	96
12) 2-Chlorophenol	7.721	128	13302	3.976	ng/u1	95
13) 2-Methylphenol	8.590	108	12978	3.871	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.678	45	23215	3.971	ng/u1#	95
16) Acetophenone	8.990	105	22643	4.362	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.966	70	11808	4.186	ng/u1	94
18) 4-Methylphenol	8.919	108	14359	4.104	ng/u1	97
19) Hexachloroethane	9.260	117	5834	4.280	ng/u1	93
22) Nitrobenzene	9.377	77	15911	4.553	ng/u1	98
23) Isophorone	9.895	82	31542	4.166	ng/u1	97
25) 2-Nitrophenol	10.088	139	5672	4.041	ng/u1	97
26) 2,4-Dimethylphenol	10.135	107	15168	4.037	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.376	93	20386	4.373	ng/u1	100
29) 2,4-Dichlorophenol	10.617	162	12737	4.232	ng/u1	99
30) Naphthalene	11.040	128	48491	4.443	ng/u1	98
32) 4-Chloroaniline	11.140	127	20185	4.408	ng/u1	95
33) Hexachlorobutadiene	11.316	225	9648	4.274	ng/u1	92
34) Caprolactam	11.904	113	4656	4.534	ng/u1	79
35) 4-Chloro-3-methylphenol	12.239	107	12547	3.823	ng/u1	94
36) 2-Methylnaphthalene	12.632	142	32409	4.352	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.850	142	33760	4.563	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.991	216	18498	4.434	ng/ul#	98
40) Hexachlorocyclopentadiene	12.973	237	13562	5.123	ng/ul	94
41) 2,4,6-Trichlorophenol	13.226	196	8918	3.642	ng/ul	98
42) 2,4,5-Trichlorophenol	13.291	196	10386	3.896	ng/ul	92
43) 1,1'-Biphenyl	13.631	154	45318	4.579	ng/ul	99
44) 2-Chloronaphthalene	13.672	162	34279	4.572	ng/ul	96
45) 2-Nitroaniline	13.872	65	6836	3.886	ng/ul	93
47) Dimethylphthalate	14.236	163	42525	4.472	ng/ul	99
48) 2,6-Dinitrotoluene	14.354	165	5828	3.916	ng/ul	96
50) Acenaphthylene	14.519	152	56954	4.563	ng/ul	99
51) 3-Nitroaniline	14.689	138	6624	4.184	ng/ul	94
52) Acenaphthene	14.859	153	37401	4.509	ng/ul	95
53) 2,4-Dinitrophenol	14.883	184	2740	3.688	ng/ul#	83
55) 4-Nitrophenol	14.971	109	4971	4.059	ng/ul#	83
56) Dibenzofuran	15.188	168	51954	4.547	ng/ul	99
57) 2,4-Dinitrotoluene	15.141	165	8310	4.118	ng/ul#	97
58) 2,3,4,6-Tetrachlorophenol	15.406	232	7729	3.602	ng/ul#	92
59) Diethylphthalate	15.594	149	41557	4.404	ng/ul	98
61) Fluorene	15.835	166	42009	4.509	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.829	204	21267	4.457	ng/ul	97
63) 4-Nitroaniline	15.840	138	6843	4.634	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.899	198	4468	4.038	ng/ul	94
67) N-Nitrosodiphenylamine	16.040	169	35638	4.332	ng/ul	97
68) 4-Bromophenyl-phenylether	16.722	248	13775	4.386	ng/ul	99
69) Hexachlorobenzene	16.833	284	15854	4.424	ng/ul	96
70) Atrazine	16.980	200	14568	4.658	ng/ul	95
71) Pentachlorophenol	17.174	266	7831	3.955	ng/ul	97
72) Phenanthrene	17.580	178	69303	4.574	ng/ul	98
74) Anthracene	17.674	178	69262	4.539	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.596	216	19558	4.467	ng/uL	99
76) Pentachlorobenzene	15.106	250	20217	4.847	ng/uL	98
77) Carbazole	17.938	167	60197	4.456	ng/ul	99
78) Di-n-butylphthalate	18.490	149	65401	4.139	ng/ul	99
80) Fluoranthene	19.583	202	84000	4.390	ng/ul	99
82) Pyrene	19.947	202	85029	4.471	ng/ul	99
83) Butylbenzylphthalate	20.829	149	23507	3.609	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.722	252	25320	3.963	ng/ul	99
85) Benzo(a)anthracene	21.816	228	80084	4.369	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.716	149	36349	3.717	ng/ul	95
87) Chrysene	21.880	228	78634	4.459	ng/ul	98
89) Di-n-octyl phthalate	22.985	149	55652	3.317	ng/ul	100
90) Benzo(b)fluoranthene	24.131	252	80371	4.205	ng/ul	99
91) Benzo(k)fluoranthene	24.201	252	76977	4.346	ng/ul	96
93) Benzo(a)pyrene	25.047	252	80545	4.387	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.090	276	90571	4.200	ng/ul	96
95) Dibenzo(a,h)anthracene	29.160	278	77818	4.268	ng/ul	98
96) Benzo(g,h,i)perylene	30.300	276	76804	4.269	ng/ul	97

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

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