

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082222\
 Data File : BP011530.D
 Acq On : 22 Aug 2022 13:40
 Operator : CG/JU
 Sample : N3670-05
 Misc : MDL-ME SOIL-4ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-MED-SOIL-QT2-2022-03

Quant Time: Aug 22 14:11:10 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081622.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 17 01:58:37 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.558	152	67625	20.000	ng/u1	0.00
20) Naphthalene-d8	10.340	136	283547	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.228	164	165683	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.998	188	337868	20.000	ng/u1	0.00
79) Chrysene-d12	21.127	240	323745	20.000	ng/u1	0.00
88) Perylene-d12	23.421	264	330312	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.070	96	10977	5.037	ng/uL	0.00
4) Pyridine-d5	3.475	84	121067	21.699	ng/u1	0.00
7) Phenol-d5	6.740	99	135621	21.824	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.905	67	90976	22.533	ng/u1	0.00
11) 2-Chlorophenol-d4	7.087	132	112261	24.561	ng/u1	0.00
15) 4-Methylphenol-d8	8.275	113	111703	22.457	ng/u1	0.00
21) Nitrobenzene-d5	8.722	128	53149	26.036	ng/u1	0.00
24) 2-Nitrophenol-d4	9.440	143	55863	26.889	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.969	165	95036	24.782	ng/u1	0.00
31) 4-Chloroaniline-d4	10.499	131	145940	22.862	ng/u1	0.00
46) Dimethylphthalate-d6	13.651	166	302850	25.844	ng/u1	0.00
49) Acenaphthylene-d8	13.916	160	371822	28.548	ng/u1	0.00
54) 4-Nitrophenol-d4	14.463	143	46747	20.705	ng/u1	0.00
60) Fluorene-d10	15.234	176	247707	25.126	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.369	200	39142	21.440	ng/u1	0.00
73) Anthracene-d10	17.098	188	382837	25.584	ng/u1	0.00
81) Pyrene-d10	19.363	212	428221	26.143	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.268	264	407661	25.372	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.105	88	2569	1.131	ng/uL	99
5) Pyridine	3.499	79	24557	4.409	ng/u1#	57
6) Benzaldehyde	6.710	77	16878	5.918	ng/u1	99
8) Phenol	6.763	94	25925	4.060	ng/u1	92
10) Bis(2-Chloroethyl)ether	6.999	93	20624	4.140	ng/u1	97
12) 2-Chlorophenol	7.122	128	20672	4.203	ng/u1	94
13) 2-Methylphenol	8.010	108	17963	3.818	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.099	45	32735m	4.436	ng/u1	
16) Acetophenone	8.387	105	32495	3.927	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.375	70	17085	4.151	ng/u1	96
18) 4-Methylphenol	8.340	108	20100	3.859	ng/u1	92
19) Hexachloroethane	8.616	117	9434	4.229	ng/u1	94
22) Nitrobenzene	8.763	77	27125	4.714	ng/u1#	93
23) Isophorone	9.287	82	43413	4.298	ng/u1	97
25) 2-Nitrophenol	9.469	139	10522	4.439	ng/u1	92
26) 2,4-Dimethylphenol	9.540	107	23855	4.239	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.775	93	26386	4.322	ng/u1	94
29) 2,4-Dichlorophenol	9.999	162	18095	4.611	ng/u1	95
30) Naphthalene	10.393	128	66793	4.461	ng/u1	98
32) 4-Chloroaniline	10.522	127	27162	4.107	ng/u1	98
33) Hexachlorobutadiene	10.669	225	12314	4.929	ng/u1	97
34) Caprolactam	11.328	113	5734	4.029	ng/u1	88
35) 4-Chloro-3-methylphenol	11.663	107	19396	3.909	ng/u1	97
36) 2-Methylnaphthalene	12.022	142	42652	4.379	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.245	142	44642	4.519	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.393	216	19710	4.687	ng/ul#	86
40) Hexachlorocyclopentadiene	12.369	237	13289	5.094	ng/ul	96
41) 2,4,6-Trichlorophenol	12.651	196	11819	4.367	ng/ul	96
42) 2,4,5-Trichlorophenol	12.722	196	12797	4.247	ng/ul	91
43) 1,1'-Biphenyl	13.051	154	55810	4.521	ng/ul	97
44) 2-Chloronaphthalene	13.092	162	42215	4.538	ng/ul	99
45) 2-Nitroaniline	13.322	65	11874	3.740	ng/ul	93
47) Dimethylphthalate	13.698	163	55457	4.579	ng/ul	98
48) 2,6-Dinitrotoluene	13.822	165	8425	3.869	ng/ul#	94
50) Acenaphthylene	13.945	152	70541	4.559	ng/ul	99
51) 3-Nitroaniline	14.157	138	8032	3.386	ng/ul#	99
52) Acenaphthene	14.292	153	46750	4.511	ng/ul	96
53) 2,4-Dinitrophenol	14.369	184	7238	5.431	ng/ul	98
55) 4-Nitrophenol	14.475	109	12277	4.564	ng/ul	90
56) Dibenzofuran	14.634	168	64715	4.528	ng/ul	100
57) 2,4-Dinitrotoluene	14.616	165	13458	4.128	ng/ul	89
58) 2,3,4,6-Tetrachlorophenol	14.863	232	10426	4.408	ng/ul#	96
59) Diethylphthalate	15.081	149	59748	4.504	ng/ul	99
61) Fluorene	15.287	166	52504	4.491	ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.292	204	25209	4.773	ng/ul	96
63) 4-Nitroaniline	15.328	138	9686m	4.228	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.387	198	9204	4.874	ng/ul#	89
67) N-Nitrosodiphenylamine	15.510	169	44342	4.473	ng/ul	98
68) 4-Bromophenyl-phenylether	16.192	248	14015	4.647	ng/ul	94
69) Hexachlorobenzene	16.292	284	17002	4.891	ng/ul	98
70) Atrazine	16.481	200	17057	4.611	ng/ul	99
71) Pentachlorophenol	16.651	266	10154	4.711	ng/ul	97
72) Phenanthrene	17.039	178	82584	4.516	ng/ul	99
74) Anthracene	17.133	178	84678	4.590	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.010	216	20737	4.775	ng/uL	97
76) Pentachlorobenzene	14.545	250	21401	5.193	ng/uL	98
77) Carbazole	17.416	167	72675	4.188	ng/ul	100
78) Di-n-butylphthalate	17.992	149	89833	4.204	ng/ul	98
80) Fluoranthene	19.033	202	91614	4.548	ng/ul	98
82) Pyrene	19.392	202	97265	4.595	ng/ul	98
83) Butylbenzylphthalate	20.292	149	37349	3.934	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.057	252	24248	3.956	ng/ul	97
85) Benzo(a)anthracene	21.116	228	89918	4.559	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.057	149	58627	4.173	ng/ul	99
87) Chrysene	21.163	228	89615	4.625	ng/ul	98
89) Di-n-octyl phthalate	21.951	149	98925	3.726	ng/ul	100
90) Benzo(b)fluoranthene	22.721	252	93164	4.534	ng/ul	99
91) Benzo(k)fluoranthene	22.768	252	86707	4.422	ng/ul	99
93) Benzo(a)pyrene	23.315	252	89427	4.458	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.780	276	100248m	4.480	ng/ul	
95) Dibenzo(a,h)anthracene	25.798	278	84883	4.406	ng/ul	97
96) Benzo(g,h,i)perylene	26.504	276	83761	4.401	ng/ul	98

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

Manual Integrations

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