

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072820\
 Data File : BM026886.D
 Acq On : 28 Jul 2020 11:44
 Operator : JU/CG
 Sample : L1955-19
 Misc : MDL-SOIL-ME-05
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-ME-SOIL-05

Manual Integrations
 APPROVED

mohammad
 7/30/2020 3:32:17 PM

Quant Time: Jul 28 12:27:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 28 10:40:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	51873	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	201009	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.31	164	130221	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	280662	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	290620	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	297639	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	8177	7.19	ng/uL	0.00
5) Phenol-d5	6.84	99	137573	30.27	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.01	67	99672	32.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	106291	31.25	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	107258	30.67	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	50861	32.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	44228	30.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	105213	30.75	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	130034	31.87	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	329644	32.28	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	427181	32.88	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	47872	27.72	ng/ul	0.00
58) Fluorene-d10	15.30	176	291701	32.84	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	33622	26.87	ng/ul	0.00
71) Anthracene-d10	17.15	188	447630	31.91	ng/ul	0.00
79) Pyrene-d10	19.45	212	493810	31.85	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	520512	30.99	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.25	88	6683	4.729	ng/uL 92
4) Benzaldehyde	6.82	77	18625m	5.031	ng/ul
6) Phenol	6.87	94	33209	6.829	ng/ul 90
8) Bis(2-Chloroethyl)ether	7.10	93	27284	7.090	ng/ul 91
10) 2-Chlorophenol	7.24	128	25476	7.215	ng/ul 98
11) 2-Methylphenol	8.11	108	22571	6.487	ng/ul 97
12) 2,2'-oxybis(1-Chloropropan	8.20	45	22412	6.577	ng/ul 96
14) Acetophenone	8.48	105	42617	7.346	ng/ul# 94
15) N-Nitroso-di-n-propylamine	8.48	70	24449	6.977	ng/ul 91
16) 4-Methylphenol	8.43	108	25453	6.865	ng/ul 98
17) Hexachloroethane	8.75	117	12923	7.679	ng/ul 92
20) Nitrobenzene	8.85	77	41061	8.107	ng/ul 100
21) Isophorone	9.38	82	60128	6.733	ng/ul 98
23) 2-Nitrophenol	9.56	139	11706	7.159	ng/ul 91
24) 2,4-Dimethylphenol	9.63	107	29951	7.013	ng/ul 93
25) Bis(2-Chloroethoxy)methane	9.87	93	34873	7.010	ng/ul 94
27) 2,4-Dichlorophenol	10.10	162	25450	7.636	ng/ul 95
28) Naphthalene	10.50	128	82131	7.313	ng/ul 99
30) 4-Chloroaniline	10.60	127	27563	6.698	ng/ul 98
31) Hexachlorobutadiene	10.80	225	19095	8.113	ng/ul 98
32) Caprolactam	11.36	113	5719m	5.494	ng/ul
33) 4-Chloro-3-methylphenol	11.73	107	25130	6.762	ng/ul 99
34) 2-Methylnaphthalene	12.11	142	58793	7.405	ng/ul 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.34	142	58444	7.534	ng/ul	95
37) 1,2,4,5-Tetrachlorobenzene	12.49	216	33032	7.421	ng/ul	98
38) Hexachlorocyclopentadiene	12.48	237	20242	6.707	ng/ul	96
39) 2,4,6-Trichlorophenol	12.73	196	15284	5.993	ng/ul	96
40) 2,4,5-Trichlorophenol	12.79	196	17290	6.344	ng/ul	100
41) 1,1'-Biphenyl	13.14	154	79281	7.286	ng/ul	98
42) 2-Chloronaphthalene	13.17	162	62627	7.152	ng/ul	99
43) 2-Nitroaniline	13.37	65	16596	6.373	ng/ul	86
45) Dimethylphthalate	13.77	163	77590	7.240	ng/ul	97
46) 2,6-Dinitrotoluene	13.87	165	12704	6.724	ng/ul#	84
48) Acenaphthylene	14.02	152	94302	7.143	ng/ul	99
49) 3-Nitroaniline	14.19	138	9603	5.200	ng/ul#	99
50) Acenaphthene	14.37	153	66355	7.295	ng/ul	98
51) 2,4-Dinitrophenol	14.41	184	3434	4.539	ng/ul	95
53) 4-Nitrophenol	14.51	109	14112	8.156	ng/ul#	86
54) Dibenzofuran	14.71	168	95132	7.545	ng/ul	97
55) 2,4-Dinitrotoluene	14.66	165	19319	7.117	ng/ul#	99
56) 2,3,4,6-Tetrachlorophenol	14.94	232	13683	6.400	ng/ul#	97
57) Diethylphthalate	15.14	149	77642	7.225	ng/ul	96
59) Fluorene	15.35	166	79317	7.471	ng/ul	98
60) 4-Chlorophenyl-phenylether	15.36	204	39710	7.515	ng/ul	96
61) 4-Nitroaniline	15.36	138	12016	5.309	ng/ul	97
64) 4,6-Dinitro-2-methylphenol	15.42	198	8553	6.016	ng/ul#	81
65) N-Nitrosodiphenylamine	15.57	169	64066	6.978	ng/ul	96
66) 4-Bromophenyl-phenylether	16.25	248	23928	7.267	ng/ul	91
67) Hexachlorobenzene	16.37	284	28347	7.592	ng/ul	97
68) Atrazine	16.52	200	21127	6.269	ng/ul	90
69) Pentachlorophenol	16.71	266	10200	5.490	ng/ul	94
70) Phenanthrene	17.09	178	126122	7.403	ng/ul	99
72) Anthracene	17.18	178	127748	7.295	ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	13.10	216	31227	7.082	ng/uL	98
74) Pentachlorobenzene	14.63	250	32746	7.660	ng/uL	93
75) Carbazole	17.45	167	104667	6.762	ng/ul	99
76) Di-n-butylphthalate	18.04	149	112218	6.163	ng/ul#	97
77) Fluoranthene	19.11	202	139514	6.936	ng/ul	97
80) Pvrene	19.47	202	150747	7.130	ng/ul	96
81) Butylbenzylphthalate	20.40	149	41261	5.248	ng/ul	94
82) 3,3'-Dichlorobenzidine	21.16	252	30996	4.511	ng/ul#	93
83) Benzo(a)anthracene	21.23	228	145739	7.276	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.19	149	63157	5.358	ng/ul#	99
85) Chrysene	21.28	228	142704	7.305	ng/ul	97
87) Di-n-octyl phthalate	22.07	149	99921	4.569	ng/ul	100
88) Benzo(b)fluoranthene	22.79	252	142491	6.692	ng/ul	100
89) Benzo(k)fluoranthene	22.84	252	142663	6.983	ng/ul	98
91) Benzo(a)pyrene	23.36	252	140590	7.317	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.68	276	167713	7.036	ng/ul	96
93) Dibenzo(a,h)anthracene	25.69	278	145248	7.205	ng/ul	95
94) Benzo(a,h,i)perylene	26.34	276	140147	7.111	ng/ul	97

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

