

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031121\
 Data File : BN013920.D
 Acq On : 11 Mar 2021 17:50
 Operator : CG/JU
 Sample : M1534-20
 Misc : SOM-MDL-MES-06
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 MDL-ME-SOIL-06

Manual Integrations
 APPROVED

mohammad
 3/12/2021 12:03:42 PM

Quant Time: Mar 11 23:50:21 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030421MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 11 09:36:12 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	184209	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	768387	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.35	164	452094	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.09	188	906452	20.00	ng/ul	0.00
78) Chrysene-d12	21.26	240	919492	20.00	ng/ul	0.00
86) Perylene-d12	23.49	264	937721	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	19942	4.30	ng/uL	0.00
5) Phenol-d5	6.88	99	453186	30.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	300139	32.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	369380	32.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	342044	30.32	ng/ul	0.00
19) Nitrobenzene-d5	8.87	128	166355	32.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.58	143	162810	33.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	320514	29.87	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	466298	35.10	ng/ul	0.00
44) Dimethylphthalate-d6	13.76	166	935018	30.80	ng/ul	0.00
47) Acenaphthylene-d8	14.04	160	1236186	30.79	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	153744	27.00	ng/ul	0.00
58) Fluorene-d10	15.34	176	838209	31.27	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.46	200	104978	24.92	ng/ul	0.00
71) Anthracene-d10	17.19	188	1272188	32.11	ng/ul	0.00
79) Pyrene-d10	19.48	212	1376950	30.79	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.35	264	1522941	32.62	ng/ul	0.00

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.25	88	3141	0.667	ng/uL#	83
4) Benzaldehyde	6.86	77	30340	4.046	ng/ul	97
6) Phenol	6.91	94	48781	3.055	ng/ul	97
8) Bis(2-Chloroethyl)ether	7.15	93	38741	3.102	ng/ul	98
10) 2-Chlorophenol	7.28	128	38050	3.135	ng/ul	96
11) 2-Methylphenol	8.15	108	29996	2.604	ng/ul	100
12) 2,2'-oxybis(1-Chloropropan	8.25	45	56920	2.985	ng/ul	96
14) Acetophenone	8.53	105	55504	2.986	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.52	70	24801	2.689	ng/ul	97
16) 4-Methylphenol	8.48	108	36501	2.921	ng/ul	97
17) Hexachloroethane	8.79	117	15085	2.930	ng/ul	95
20) Nitrobenzene	8.90	77	43102	3.064	ng/ul	99
21) Isophorone	9.43	82	62468	2.533	ng/ul	99
23) 2-Nitrophenol	9.62	139	17799	3.098	ng/ul	90
24) 2,4-Dimethylphenol	9.68	107	39000	2.882	ng/ul	97
25) Bis(2-Chloroethoxy)methane	9.92	93	47322	2.874	ng/ul	99
27) 2,4-Dichlorophenol	10.14	162	33275	3.014	ng/ul#	83
28) Naphthalene	10.55	128	124079	3.115	ng/ul	99
30) 4-Chloroaniline	10.65	127	47414	3.435	ng/ul	97
31) Hexachlorobutadiene	10.83	225	20999	2.987	ng/ul	96
32) Caprolactam	11.42	113	5903m	1.766	ng/ul	
33) 4-Chloro-3-methylphenol	11.78	107	27447	2.439	ng/ul	98
34) 2-Methylnaphthalene	12.16	142	82754	3.041	ng/ul	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

35) 1-Methylnaphthalene	12.38	142	79923	3.047	ng/ul	95
37) 1,2,4,5-Tetrachlorobenzene	12.53	216	40897	3.005	ng/ul	97
38) Hexachlorocyclopentadiene	12.51	237	19622	2.421	ng/ul	97
39) 2,4,6-Trichlorophenol	12.77	196	17407	2.216	ng/ul	96
40) 2,4,5-Trichlorophenol	12.84	196	21694	2.517	ng/ul	92
41) 1,1'-Biphenyl	13.18	154	106150	3.122	ng/ul	99
42) 2-Chloronaphthalene	13.22	162	80634	3.034	ng/ul	98
43) 2-Nitroaniline	13.42	65	14921	2.165	ng/ul	97
45) Dimethylphthalate	13.80	163	93572	2.979	ng/ul#	98
46) 2,6-Dinitrotoluene	13.92	165	12501	2.221	ng/ul#	86
48) Acenaphthylene	14.07	152	119494	3.070	ng/ul	100
49) 3-Nitroaniline	14.25	138	14251	2.328	ng/ul	99
50) Acenaphthene	14.41	153	87453	3.080	ng/ul	97
51) 2,4-Dinitrophenol	14.46	184	4182	1.411	ng/ul	92
53) 4-Nitrophenol	14.55	109	12804	2.791	ng/ul	87
54) Dibenzofuran	14.75	168	122258	3.123	ng/ul	97
55) 2,4-Dinitrotoluene	14.71	165	20246	2.517	ng/ul	96
56) 2,3,4,6-Tetrachlorophenol	14.97	232	15827	2.379	ng/ul#	95
57) Diethylphthalate	15.17	149	87296	2.781	ng/ul	97
59) Fluorene	15.40	166	98167	3.082	ng/ul	98
60) 4-Chlorophenyl-phenylether	15.39	204	47627	3.116	ng/ul	91
61) 4-Nitroaniline	15.41	138	15703	2.239	ng/ul	96
64) 4,6-Dinitro-2-methylphenol	15.47	198	12019	2.708	ng/ul#	74
65) N-Nitrosodiphenylamine	15.61	169	77627	2.974	ng/ul	99
66) 4-Bromophenyl-phenylether	16.29	248	25306	2.914	ng/ul	97
67) Hexachlorobenzene	16.40	284	30468	2.938	ng/ul	97
68) Atrazine	16.56	200	19514	2.163	ng/ul	95
69) Pentachlorophenol	16.74	266	9387	1.718	ng/ul	96
70) Phenanthrene	17.13	178	151981	3.095	ng/ul	99
72) Anthracene	17.22	178	155313	3.111	ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	13.14	216	41190	3.103	ng/uL	98
74) Pentachlorobenzene	14.66	250	38253	3.059	ng/uL	95
75) Carbazole	17.49	167	121281	2.723	ng/ul	99
76) Di-n-butylphthalate	18.06	149	114296	2.293	ng/ul	100
77) Fluoranthene	19.15	202	155919	2.871	ng/ul#	94
80) Pvrene	19.51	202	177908	3.005	ng/ul	99
81) Butylbenzylphthalate	20.41	149	38606	1.894	ng/ul	95
82) 3,3'-Dichlorobenzidine	21.19	252	33938	1.967	ng/ul	99
83) Benzo(a)anthracene	21.25	228	161660	2.856	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.19	149	60359	1.770	ng/ul#	96
85) Chrysene	21.30	228	164310	2.983	ng/ul	98
87) Di-n-octyl phthalate	22.06	149	97232	1.659	ng/ul	100
88) Benzo(b)fluoranthene	22.82	252	166182	2.917	ng/ul	99
89) Benzo(k)fluoranthene	22.86	252	158141	2.767	ng/ul	100
91) Benzo(a)pyrene	23.39	252	158617	3.072	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	25.72	276	178980	2.774	ng/ul	99
93) Dibenzo(a,h)anthracene	25.73	278	152551	2.773	ng/ul	99
94) Benzo(a,h,i)perylene	26.40	276	150371	2.774	ng/ul	97

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

