Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012621\
Data File : BM028541.D
Acq On : 26 Jan 2021 12:33
Operator : CG/JU
Sample : L5214-04
Misc : SFAM-MDL-S-02
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 26 13:09:27 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM011921.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 25 12:52:04 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT1-2021-02

Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	29044	20.00	ng/ul	0.00
20) Naphthalene-d8	10.804	136	115422	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.633	164	65026	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.362	188	127858	20.00	ng/ul	0.00
79) Chrysene-d12	21.497	240	120518	20.00	ng/ul	0.00
88) Perylene-d12	23.768	264	116150	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	2224	3.21	ng/uL	0.00
4) Pyridine-d5	3.716	84	37492	18.95	ng/ul	0.00
7) Phenol-d5	7.145	99	87187	35.83	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.316	67	54628	35.52	ng/ul	0.00
11) 2-Chlorophenol-d4	7.516	132	75925	36.52	ng/ul	0.00
15) 4-Methylphenol-d8	8.704	113	72768	36.80	ng/ul	0.00
21) Nitrobenzene-d5	9.163	128	35089	37.16	ng/ul	0.00
24) 2-Nitrophenol-d4	9.886	143	39173	38.52	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	68014	35.59	ng/ul	0.00
31) 4-Chloroaniline-d4	10.939	131	93775	36.70	ng/ul	0.00
46) Dimethylphthalate-d6	14.039	166	187864	36.04	ng/ul	0.00
49) Acenaphthylene-d8	14.327	160	246512	38.83	ng/ul	0.00
54) 4-Nitrophenol-d4	14.827	143	33629	36.76	ng/ul	0.00
60) Fluorene-d10	15.621	176	156852	35.77	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	29025	35.33	ng/ul	0.00
73) Anthracene-d10	17.462	188	231699	36.45	ng/ul	0.00
81) Pyrene-d10	19.733	212	247027	36.08	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.627	264	225485	35.34	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.310	88	794	1.07	ng/uL	90
5) Pyridine	3.740	79	8142	4.10	ng/ul#	81
6) Benzaldehyde	7.122	77	5309	5.45	ng/ul	97
8) Phenol	7.175	94	10343	4.20	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.410	93	8566	4.18	ng/ul	98
12) 2-Chlorophenol	7.545	128	8882	4.21	ng/ul	99
13) 2-Methylphenol	8.434	108	7496	3.99	ng/ul	95
14) 2,2'-oxybis(1-Chloropr...	8.522	45	13002	3.70	ng/ul	97
16) Acetophenone	8.822	105	12206	4.03	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.804	70	5827	3.89	ng/ul	93
18) 4-Methylphenol	8.769	108	8042	4.00	ng/ul	96
19) Hexachloroethane	9.075	117	3710	3.99	ng/ul	99
22) Nitrobenzene	9.204	77	9562	4.12	ng/ul	95
23) Isophorone	9.733	82	15883	3.93	ng/ul	98
25) 2-Nitrophenol	9.916	139	4764	4.33	ng/ul	97
26) 2,4-Dimethylphenol	9.975	107	8890	4.11	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.210	93	10664	4.05	ng/ul	97
29) 2,4-Dichlorophenol	10.451	162	7816	4.23	ng/ul	98
30) Naphthalene	10.857	128	27633	4.19	ng/ul	98
32) 4-Chloroaniline	10.963	127	10694	4.30	ng/ul	99
33) Hexachlorobutadiene	11.133	225	5000	3.99	ng/ul	95
34) Caprolactam	11.739	113	1774m	3.26	ng/ul	
35) 4-Chloro-3-methylphenol	12.080	107	7534	3.99	ng/ul	92
36) 2-Methylnaphthalene	12.463	142	18626	4.19	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.680	142	17892	4.18	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.827	216	9336	4.18	ng/ul	99
40) Hexachlorocyclopentadiene	12.798	237	4273	3.72	ng/ul	99
41) 2,4,6-Trichlorophenol	13.069	196	5545	3.97	ng/ul	97
42) 2,4,5-Trichlorophenol	13.139	196	5983	3.99	ng/ul	99
43) 1,1'-Biphenyl	13.469	154	23422	4.11	ng/ul	98
44) 2-Chloronaphthalene	13.510	162	18331	4.13	ng/ul	99
45) 2-Nitroaniline	13.716	65	4207	3.44	ng/ul	94
47) Dimethylphthalate	14.086	163	21661	4.06	ng/ul	99
48) 2,6-Dinitrotoluene	14.210	165	3922	3.72	ng/ul	95
50) Acenaphthylene	14.357	152	26645	4.11	ng/ul	99
51) 3-Nitroaniline	14.539	138	3725	3.88	ng/ul	95
52) Acenaphthene	14.698	153	19147	4.09	ng/ul	97
53) 2,4-Dinitrophenol	14.757	184	1869	3.24	ng/ul	91
55) 4-Nitrophenol	14.839	109	2923	4.00	ng/ul	91
56) Dibenzofuran	15.027	168	26396	4.21	ng/ul	99
57) 2,4-Dinitrotoluene	14.998	165	5490	3.87	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.257	232	4712	3.86	ng/ul#	96
59) Diethylphthalate	15.439	149	21342	3.89	ng/ul	98
61) Fluorene	15.674	166	21621	4.15	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.663	204	10531	4.05	ng/ul	98
63) 4-Nitroaniline	15.698	138	3400	4.07	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.757	198	3460	3.92	ng/ul#	84
67) N-Nitrosodiphenylamine	15.880	169	17668	4.11	ng/ul	99
68) 4-Bromophenyl-phenylether	16.557	248	6174	3.97	ng/ul	95
69) Hexachlorobenzene	16.668	284	7176	4.07	ng/ul	96
70) Atrazine	16.821	200	5794	3.64	ng/ul	95
71) Pentachlorophenol	17.015	266	3165	3.17	ng/ul	94
72) Phenanthrene	17.404	178	32860	4.20	ng/ul	99
74) Anthracene	17.492	178	33518	4.21	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.433	216	8921	4.07	ng/uL	99
76) Pentachlorobenzene	14.951	250	8624	4.02	ng/uL	98
77) Carbazole	17.762	167	28222	4.19	ng/ul	98
78) Di-n-butylphthalate	18.309	149	33840	3.64	ng/ul	99
80) Fluoranthene	19.398	202	35617	3.93	ng/ul	100
82) Pyrene	19.756	202	37474	4.03	ng/ul	97
83) Butylbenzylphthalate	20.639	149	15244	3.62	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.415	252	11830	4.77	ng/ul	97
85) Benzo(a)anthracene	21.480	228	34428	4.18	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.397	149	23134	3.55	ng/ul	98
87) Chrysene	21.533	228	33572	4.19	ng/ul	98
89) Di-n-octyl phthalate	22.280	149	38214	3.50	ng/ul	100
90) Benzo(b)fluoranthene	23.080	252	34009	4.27	ng/ul	98
91) Benzo(k)fluoranthene	23.127	252	33174	4.27	ng/ul	99
93) Benzo(a)pyrene	23.668	252	30849	4.28	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	26.068	276	36434	4.28	ng/ul	96
95) Dibenzo(a,h)anthracene	26.079	278	31269	4.32	ng/ul	95
96) Benzo(g,h,i)perylene	26.779	276	30291	4.22	ng/ul	98

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

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