Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011121\
Data File : BN013380.D
Acq On : 11 Jan 2021 12:36
Operator : CG/JU
Sample : L4485-05
Misc : MDL-S-05
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-SOIL-05

Quant Time: Jan 11 13:08:04 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN010521.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 08 12:05:50 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	339309	20.00	ng/ul	0.00
20) Naphthalene-d8	10.36	136	1396208	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.23	164	843413	20.00	ng/ul	0.00
64) Phenanthrene-d10	16.97	188	1718789	20.00	ng/ul	0.00
79) Chrysene-d12	21.16	240	1719134	20.00	ng/ul	-0.01
88) Perylene-d12	23.34	264	1739656	20.00	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	38481	4.32	ng/uL	0.00
4) Pyridine-d5	3.59	84	524457	23.60	ng/ul	0.00
7) Phenol-d5	6.78	99	921608	32.34	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	6.95	67	555837	35.03	ng/ul	0.00
11) 2-Chlorophenol-d4	7.13	132	799145	32.20	ng/ul	0.00
15) 4-Methylphenol-d8	8.30	113	763615	33.17	ng/ul	0.00
21) Nitrobenzene-d5	8.74	128	371248	33.38	ng/ul	0.00
24) 2-Nitrophenol-d4	9.45	143	377874	32.96	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.99	165	722881	31.92	ng/ul	0.00
31) 4-Chloroaniline-d4	10.50	131	1071777	34.59	ng/ul	0.00
46) Dimethylphthalate-d6	13.65	166	2191777	33.60	ng/ul	0.00
49) Acenaphthylene-d8	13.92	160	2886918	35.87	ng/ul	0.00
54) 4-Nitrophenol-d4	14.42	143	360364	30.25	ng/ul	0.00
60) Fluorene-d10	15.22	176	1900797	33.68	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.34	200	263085	31.10	ng/ul	0.00
73) Anthracene-d10	17.07	188	2903061	34.77	ng/ul	0.00
81) Pyrene-d10	19.37	212	3150699	34.03	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.20	264	3092666	34.04	ng/ul	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.23	88	6929	0.783	ng/uL	87
5) Pyridine	3.61	79	64822	2.898	ng/ul#	76
6) Benzaldehyde	6.75	77	48895	4.571	ng/ul	96
8) Phenol	6.80	94	80397	2.789	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.03	93	69288	3.034	ng/ul	99
12) 2-Chlorophenol	7.17	128	68365	2.703	ng/ul	98
13) 2-Methylphenol	8.03	108	52998	2.387	ng/ul	96
14) 2,2'-oxybis(1-Chloropropan	8.13	45	95066	2.970	ng/ul	100
16) Acetophenone	8.41	105	92394	2.735	ng/ul	99
17) N-Nitroso-di-n-propylamine	8.40	70	39363	2.348	ng/ul	95
18) 4-Methylphenol	8.36	108	62456	2.620	ng/ul	96
19) Hexachloroethane	8.66	117	27712	2.792	ng/ul	95
22) Nitrobenzene	8.78	77	71579	2.872	ng/ul	99
23) Isophorone	9.30	82	102893	2.183	ng/ul	98
25) 2-Nitrophenol	9.48	139	35465	2.779	ng/ul	93
26) 2,4-Dimethylphenol	9.55	107	67507	2.619	ng/ul	95
27) Bis(2-Chloroethoxy)methane	9.79	93	81768	2.682	ng/ul	98
29) 2,4-Dichlorophenol	10.01	162	61558	2.761	ng/ul#	87
30) Naphthalene	10.41	128	232440	2.967	ng/ul	99
32) 4-Chloroaniline	10.52	127	90329	3.062	ng/ul	94
33) Hexachlorobutadiene	10.70	225	38933	2.793	ng/ul	98
34) Caprolactam	11.30	113	11641	1.693	ng/ul	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	11.65	107	50990	2.135	ng/ul	94
36) 2-Methylnaphthalene	12.03	142	155859	2.893	ng/ul	97
37) 1-Methylnaphthalene	12.25	142	148500	2.860	ng/ul	96
39) 1,2,4,5-Tetrachlorobenzene	12.40	216	74840	2.949	ng/ul	98
40) Hexachlorocyclopentadiene	12.39	237	38854	2.938	ng/ul	96
41) 2,4,6-Trichlorophenol	12.65	196	33970	2.029	ng/ul	90
42) 2,4,5-Trichlorophenol	12.71	196	38457	2.159	ng/ul	96
43) 1,1'-Biphenyl	13.06	154	202979	2.988	ng/ul	99
44) 2-Chloronaphthalene	13.09	162	155821	2.912	ng/ul	96
45) 2-Nitroaniline	13.29	65	24538	1.800	ng/ul	96
47) Dimethylphthalate	13.69	163	188281	2.813	ng/ul	99
48) 2,6-Dinitrotoluene	13.80	165	23978	1.889	ng/ul	94
50) Acenaphthylene	13.95	152	239846	2.949	ng/ul	99
51) 3-Nitroaniline	14.12	138	25785	2.202	ng/ul	97
52) Acenaphthene	14.29	153	166037	2.893	ng/ul	99
53) 2,4-Dinitrophenol	14.33	184	7737	1.360	ng/ul	93
55) 4-Nitrophenol	14.43	109	24088	2.685	ng/ul#	86
56) Dibenzofuran	14.63	168	234321	2.982	ng/ul	96
57) 2,4-Dinitrotoluene	14.59	165	39954	2.209	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	14.85	232	29558	1.965	ng/ul#	97
59) Diethylphthalate	15.07	149	164020	2.411	ng/ul	98
61) Fluorene	15.27	166	193327	3.037	ng/ul	100
62) 4-Chlorophenyl-phenylether	15.28	204	94703	3.086	ng/ul	98
63) 4-Nitroaniline	15.29	138	28908	2.629	ng/ul	94
66) 4,6-Dinitro-2-methylphenol	15.35	198	25360	2.694	ng/ul#	69
67) N-Nitrosodiphenylamine	15.49	169	148531	2.743	ng/ul	96
68) 4-Bromophenyl-phenylether	16.17	248	51468	2.721	ng/ul	96
69) Hexachlorobenzene	16.27	284	61659	2.875	ng/ul	97
70) Atrazine	16.45	200	37425	2.023	ng/ul	96
71) Pentachlorophenol	16.62	266	19328	1.616	ng/ul	98
72) Phenanthrene	17.01	178	303775	3.046	ng/ul	98
74) Anthracene	17.10	178	311768	3.063	ng/ul	98
75) 1,2,3,4-Tetrachlorobenzene	13.02	216	75759	3.041	ng/uL	95
76) Pentachlorobenzene	14.55	250	75946	3.055	ng/uL	94
77) Carbazole	17.37	167	230981	2.796	ng/ul	99
78) Di-n-butylphthalate	17.96	149	211340	1.877	ng/ul#	98
80) Fluoranthene	19.03	202	314979	2.659	ng/ul	99
82) Pyrene	19.39	202	364735	3.003	ng/ul	98
83) Butylbenzylphthalate	20.32	149	76091	1.458	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.09	252	64758	1.992	ng/ul	99
85) Benzo(a)anthracene	21.14	228	316298	2.787	ng/ul	98
86) Bis(2-ethylhexyl)phthalate	21.11	149	118564	1.533	ng/ul	100
87) Chrysene	21.20	228	340193	3.062	ng/ul	98
89) Di-n-octyl phthalate	21.97	149	186871	1.727	ng/ul	100
90) Benzo(b)fluoranthene	22.69	252	327712	2.954	ng/ul	97
91) Benzo(k)fluoranthene	22.73	252	323024	3.057	ng/ul	99
93) Benzo(a)pyrene	23.24	252	318686	3.169	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.50	276	369680	2.935	ng/ul	99
95) Dibenzo(a,h)anthracene	25.52	278	311176	2.948	ng/ul	97
96) Benzo(g,h,i)perylene	26.16	276	302498	2.834	ng/ul	98

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

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