Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031721\
Data File : BN013968.D
Acq On : 17 Mar 2021 13:46
Operator : CG/JU
Sample : M1344-03
Misc : SFAM-MDL-S-01
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-SOIL-QT2-2021-03

Quant Time: Mar 17 14:15:04 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN031721.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 17 10:09:09 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	140959	20.00	ng/ul	0.00
20) Naphthalene-d8	10.49	136	565666	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.35	164	333555	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.09	188	695601	20.00	ng/ul	0.00
79) Chrysene-d12	21.27	240	713698	20.00	ng/ul	0.00
88) Perylene-d12	23.50	264	701261	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.21	96	18449	5.15	ng/uL	0.00
4) Pyridine-d5	3.61	84	269369	27.45	ng/ul	0.00
7) Phenol-d5	6.88	99	394296	33.02	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.04	67	261817	35.00	ng/ul	0.00
11) 2-Chlorophenol-d4	7.24	132	322869	35.83	ng/ul	0.00
15) 4-Methylphenol-d8	8.40	113	300016	32.74	ng/ul	0.00
21) Nitrobenzene-d5	8.86	128	143848	36.47	ng/ul	0.00
24) 2-Nitrophenol-d4	9.58	143	140340	37.58	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.10	165	279478	34.71	ng/ul	0.00
31) 4-Chloroaniline-d4	10.62	131	411887	33.38	ng/ul	0.00
46) Dimethylphthalate-d6	13.76	166	845771	36.56	ng/ul	0.00
49) Acenaphthylene-d8	14.04	160	1098298	38.93	ng/ul	0.00
54) 4-Nitrophenol-d4	14.54	143	137891	30.73	ng/ul	0.00
60) Fluorene-d10	15.34	176	740995	35.99	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.45	200	94359	27.14	ng/ul	0.00
73) Anthracene-d10	17.19	188	1155418	36.05	ng/ul	0.00
81) Pyrene-d10	19.48	212	1253108	34.76	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.36	264	1363347	38.60	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.25	88	5053	1.375	ng/uL	93
5) Pyridine	3.63	79	46802	4.634	ng/ul#	61
6) Benzaldehyde	6.85	77	30771	5.199	ng/ul	96
8) Phenol	6.90	94	58352	4.493	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.13	93	46537	4.568	ng/ul	99
12) 2-Chlorophenol	7.27	128	46957	4.801	ng/ul	99
13) 2-Methylphenol	8.14	108	37197	3.965	ng/ul	99
14) 2,2'-oxybis(1-Chloropropan	8.23	45	69314	4.529	ng/ul	100
16) Acetophenone	8.52	105	65237	4.289	ng/ul	99
17) N-Nitroso-di-n-propylamine	8.51	70	29554	4.195	ng/ul	99
18) 4-Methylphenol	8.47	108	44564	4.341	ng/ul	97
19) Hexachloroethane	8.78	117	18435	4.557	ng/ul	98
22) Nitrobenzene	8.90	77	51679	4.866	ng/ul	99
23) Isophorone	9.42	82	72846	4.054	ng/ul	99
25) 2-Nitrophenol	9.60	139	21183	4.839	ng/ul	97
26) 2,4-Dimethylphenol	9.67	107	47342	4.595	ng/ul	98
27) Bis(2-Chloroethoxy)methane	9.90	93	57577	4.623	ng/ul	99
29) 2,4-Dichlorophenol	10.13	162	41122	4.873	ng/ul	95
30) Naphthalene	10.54	128	148998	4.797	ng/ul	100
32) 4-Chloroaniline	10.65	127	59771	4.677	ng/ul	97
33) Hexachlorobutadiene	10.83	225	26719	4.985	ng/ul	98
34) Caprolactam	11.41	113	7156	2.828	ng/ul	80

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35) 4-Chloro-3-methylphenol	11.77	107	33684	3.939	ng/ul	98
36) 2-Methylnaphthalene	12.15	142	98946	4.687	ng/ul	97
37) 1-Methylnaphthalene	12.37	142	97314	4.648	ng/ul#	96
39) 1,2,4,5-Tetrachlorobenzene	12.52	216	50513	4.806	ng/ul	98
40) Hexachlorocyclopentadiene	12.50	237	24006	3.781	ng/ul	98
41) 2,4,6-Trichlorophenol	12.77	196	22166	3.779	ng/ul	98
42) 2,4,5-Trichlorophenol	12.83	196	26957	4.107	ng/ul	90
43) 1,1'-Biphenyl	13.17	154	126927	4.749	ng/ul	98
44) 2-Chloronaphthalene	13.22	162	97637	4.689	ng/ul	99
45) 2-Nitroaniline	13.42	65	17843	3.533	ng/ul	93
47) Dimethylphthalate	13.80	163	118948	4.903	ng/ul	99
48) 2,6-Dinitrotoluene	13.92	165	15798	3.673	ng/ul	98
50) Acenaphthylene	14.06	152	147531	4.868	ng/ul	99
51) 3-Nitroaniline	14.25	138	16953	3.301	ng/ul	97
52) Acenaphthene	14.41	153	105858	4.797	ng/ul	98
53) 2,4-Dinitrophenol	14.45	184	5749	2.414	ng/ul	92
55) 4-Nitrophenol	14.55	109	15527	4.252	ng/ul	86
56) Dibenzofuran	14.75	168	149048	4.886	ng/ul	100
57) 2,4-Dinitrotoluene	14.71	165	24986	4.048	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	14.97	232	19696	3.875	ng/ul	90
59) Diethylphthalate	15.17	149	105058	4.435	ng/ul	98
61) Fluorene	15.40	166	117034	4.752	ng/ul	97
62) 4-Chlorophenyl-phenylether	15.39	204	57677	4.853	ng/ul	97
63) 4-Nitroaniline	15.41	138	18107	3.561	ng/ul	97
66) 4,6-Dinitro-2-methylphenol	15.47	198	14225	3.876	ng/ul#	88
67) N-Nitrosodiphenylamine	15.60	169	95162	4.496	ng/ul	98
68) 4-Bromophenyl-phenylether	16.29	248	32445	4.565	ng/ul	96
69) Hexachlorobenzene	16.39	284	37646	4.570	ng/ul	98
70) Atrazine	16.56	200	25207	3.518	ng/ul	99
71) Pentachlorophenol	16.74	266	12362	2.796	ng/ul	95
72) Phenanthrene	17.13	178	189937	4.792	ng/ul	99
74) Anthracene	17.22	178	195955	4.838	ng/ul	99
75) 1,2,3,4-Tetrachlorobenzene	13.14	216	49925	4.607	ng/uL	98
76) Pentachlorobenzene	14.66	250	45431	4.200	ng/uL	100
77) Carbazole	17.49	167	153614	4.269	ng/ul	99
78) Di-n-butylphthalate	18.06	149	139321	3.751	ng/ul	100
80) Fluoranthene	19.15	202	197018	4.380	ng/ul	98
82) Pyrene	19.51	202	221973	4.601	ng/ul#	94
83) Butylbenzylphthalate	20.42	149	48129	3.138	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.19	252	42078	3.349	ng/ul	98
85) Benzo(a)anthracene	21.25	228	205936	4.493	ng/ul	96
86) Bis(2-ethylhexyl)phthalate	21.19	149	75375	3.180	ng/ul	100
87) Chrysene	21.30	228	211554	4.702	ng/ul	98
89) Di-n-octyl phthalate	22.07	149	124723	2.827	ng/ul	100
90) Benzo(b)fluoranthene	22.83	252	215143	4.827	ng/ul	98
91) Benzo(k)fluoranthene	22.87	252	204890	4.579	ng/ul	97
93) Benzo(a)pyrene	23.40	252	199167	4.963	ng/ul	93
94) Indeno(1,2,3-cd)pyrene	25.73	276	243682	4.820	ng/ul	97
95) Dibenzo(a,h)anthracene	25.74	278	206032	4.836	ng/ul	97
96) Benzo(g,h,i)perylene	26.41	276	198457	4.744	ng/ul	98

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

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

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