Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011221\
Data File : BN013393.D
Acq On : 12 Jan 2021 13:42
Operator : CG/JU
Sample : L4485-20
Misc : MDL-ME-S-20
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jan 12 14:12:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN010521.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 12 09:49:34 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	378340	20.00	ng/ul	0.00
20) Naphthalene-d8	10.36	136	1557371	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.22	164	923707	20.00	ng/ul	0.00
64) Phenanthrene-d10	16.97	188	1884551	20.00	ng/ul	0.00
79) Chrysene-d12	21.16	240	1843687	20.00	ng/ul	0.00
88) Perylene-d12	23.33	264	1896184	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	44591	4.49	ng/uL	0.00
4) Pyridine-d5	3.59	84	547798	22.11	ng/ul	0.00
7) Phenol-d5	6.77	99	1015270	31.95	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	6.94	67	621791	35.14	ng/ul	0.00
11) 2-Chlorophenol-d4	7.13	132	893610	32.29	ng/ul	0.00
15) 4-Methylphenol-d8	8.29	113	855034	33.31	ng/ul	0.00
21) Nitrobenzene-d5	8.74	128	414449	33.41	ng/ul	0.00
24) 2-Nitrophenol-d4	9.45	143	424079	33.16	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.98	165	807623	31.97	ng/ul	0.00
31) 4-Chloroaniline-d4	10.49	131	1198336	34.67	ng/ul	0.00
46) Dimethylphthalate-d6	13.65	166	2424196	33.94	ng/ul	0.00
49) Acenaphthylene-d8	13.92	160	3163652	35.89	ng/ul	0.00
54) 4-Nitrophenol-d4	14.42	143	398741	30.56	ng/ul	0.00
60) Fluorene-d10	15.22	176	2102938	34.03	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.33	200	288947	31.15	ng/ul	0.00
73) Anthracene-d10	17.07	188	3158173	34.50	ng/ul	0.00
81) Pyrene-d10	19.36	212	3419775	34.44	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.20	264	3356223	33.90	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.23	88	6099	0.618	ng/uL	96
5) Pyridine	3.60	79	65928	2.643	ng/ul#	61
6) Benzaldehyde	6.75	77	49052	4.112	ng/ul	95
8) Phenol	6.80	94	77770	2.420	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.03	93	69179	2.716	ng/ul	99
12) 2-Chlorophenol	7.17	128	66161	2.346	ng/ul	99
13) 2-Methylphenol	8.03	108	51481	2.079	ng/ul	94
14) 2,2'-oxybis(1-Chloropropan	8.13	45	90916	2.548	ng/ul	97
16) Acetophenone	8.40	105	90002	2.389	ng/ul	97
17) N-Nitroso-di-n-propylamine	8.40	70	38108	2.039	ng/ul	99
18) 4-Methylphenol	8.36	108	61377	2.309	ng/ul	100
19) Hexachloroethane	8.66	117	27188	2.457	ng/ul	93
22) Nitrobenzene	8.77	77	68967	2.481	ng/ul	98
23) Isophorone	9.30	82	100116	1.904	ng/ul	97
25) 2-Nitrophenol	9.48	139	34410	2.417	ng/ul	92
26) 2,4-Dimethylphenol	9.55	107	65484	2.278	ng/ul	96
27) Bis(2-Chloroethoxy)methane	9.79	93	80675	2.372	ng/ul	98
29) 2,4-Dichlorophenol	10.01	162	60510	2.433	ng/ul	96
30) Naphthalene	10.41	128	222691	2.548	ng/ul	99
32) 4-Chloroaniline	10.52	127	88694	2.696	ng/ul	100
33) Hexachlorobutadiene	10.70	225	38028	2.446	ng/ul	98
34) Caprolactam	11.29	113	11348	1.480	ng/ul	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	11.65	107	48426	1.818	ng/ul	96
36) 2-Methylnaphthalene	12.02	142	150514	2.505	ng/ul	95
37) 1-Methylnaphthalene	12.25	142	144080	2.488	ng/ul	99
39) 1,2,4,5-Tetrachlorobenzene	12.40	216	74738	2.689	ng/ul	98
40) Hexachlorocyclopentadiene	12.38	237	36764	2.538	ng/ul#	99
41) 2,4,6-Trichlorophenol	12.65	196	31632	1.726	ng/ul	95
42) 2,4,5-Trichlorophenol	12.71	196	36561	1.874	ng/ul	91
43) 1,1'-Biphenyl	13.05	154	196719	2.644	ng/ul	99
44) 2-Chloronaphthalene	13.09	162	153126	2.613	ng/ul	98
45) 2-Nitroaniline	13.29	65	23969	1.605	ng/ul	95
47) Dimethylphthalate	13.69	163	179123	2.444	ng/ul	100
48) 2,6-Dinitrotoluene	13.80	165	24246	1.744	ng/ul	97
50) Acenaphthylene	13.94	152	225413	2.530	ng/ul	99
51) 3-Nitroaniline	14.12	138	23933	1.866	ng/ul	95
52) Acenaphthene	14.29	153	161738	2.573	ng/ul	96
53) 2,4-Dinitrophenol	14.33	184	7247	1.163	ng/ul	89
55) 4-Nitrophenol	14.43	109	23150	2.356	ng/ul#	88
56) Dibenzofuran	14.62	168	226116	2.628	ng/ul	98
57) 2,4-Dinitrotoluene	14.59	165	37772	1.907	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	14.85	232	28849	1.751	ng/ul	97
59) Diethylphthalate	15.06	149	153798	2.064	ng/ul	96
61) Fluorene	15.27	166	183196	2.628	ng/ul	99
62) 4-Chlorophenyl-phenylether	15.27	204	89490	2.663	ng/ul	98
63) 4-Nitroaniline	15.29	138	26301	2.184	ng/ul	91
66) 4,6-Dinitro-2-methylphenol	15.35	198	24371	2.361	ng/ul#	42
67) N-Nitrosodiphenylamine	15.49	169	143477	2.416	ng/ul	98
68) 4-Bromophenyl-phenylether	16.17	248	48629	2.344	ng/ul	93
69) Hexachlorobenzene	16.27	284	58798	2.500	ng/ul	97
70) Atrazine	16.45	200	36151	1.782	ng/ul	96
71) Pentachlorophenol	16.62	266	18263	1.393	ng/ul	95
72) Phenanthrene	17.01	178	291518	2.666	ng/ul	97
74) Anthracene	17.10	178	292447	2.621	ng/ul	99
75) 1,2,3,4-Tetrachlorobenzene	13.01	216	72338	2.648	ng/uL	99
76) Pentachlorobenzene	14.54	250	69948	2.566	ng/uL	99
77) Carbazole	17.37	167	218137	2.408	ng/ul	99
78) Di-n-butylphthalate	17.96	149	201294	1.631	ng/ul	99
80) Fluoranthene	19.03	202	300234	2.363	ng/ul	99
82) Pyrene	19.39	202	348275	2.674	ng/ul	98
83) Butylbenzylphthalate	20.32	149	70840	1.265	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.09	252	58417	1.675	ng/ul	98
85) Benzo(a)anthracene	21.14	228	299393	2.460	ng/ul	99
86) Bis(2-ethylhexyl)phthalate	21.10	149	110701	1.335	ng/ul	95
87) Chrysene	21.20	228	311925	2.618	ng/ul	98
89) Di-n-octyl phthalate	21.97	149	175206	1.485	ng/ul	100
90) Benzo(b)fluoranthene	22.69	252	289925	2.398	ng/ul	99
91) Benzo(k)fluoranthene	22.73	252	312765	2.716	ng/ul	99
93) Benzo(a)pyrene	23.24	252	300563	2.742	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.49	276	349452	2.545	ng/ul	99
95) Dibenzo(a,h)anthracene	25.51	278	298028	2.590	ng/ul	96
96) Benzo(g,h,i)perylene	26.15	276	284976	2.449	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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