Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012021\
Data File : BN013433.D
Acq On : 20 Jan 2021 11:24
Operator : CG/JU
Sample : L5214-04
Misc : SFAM-MDL-S-02
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jan 20 11:53:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-BN011521.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 20 09:33:01 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	469392	20.00	ng/ul	0.00
20) Naphthalene-d8	10.35	136	1820253	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.22	164	960336	20.00	ng/ul	0.00
64) Phenanthrene-d10	16.97	188	1714180	20.00	ng/ul	0.00
79) Chrysene-d12	21.17	240	1480950	20.00	ng/ul	0.00
88) Perylene-d12	23.36	264	1520308	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.19	96	42765	3.63	ng/uL	0.00
4) Pyridine-d5	3.57	84	588020	19.24	ng/ul	0.00
7) Phenol-d5	6.76	99	1367166	36.21	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	6.93	67	830490	37.47	ng/ul	0.00
11) 2-Chlorophenol-d4	7.12	132	1186824	36.59	ng/ul	0.00
15) 4-Methylphenol-d8	8.29	113	1090539	35.96	ng/ul	0.00
21) Nitrobenzene-d5	8.73	128	539636	38.28	ng/ul	0.00
24) 2-Nitrophenol-d4	9.44	143	549620	37.39	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.97	165	1007312	35.49	ng/ul	0.00
31) 4-Chloroaniline-d4	10.49	131	1435548	35.02	ng/ul	0.00
46) Dimethylphthalate-d6	13.64	166	2576023	35.65	ng/ul	0.00
49) Acenaphthylene-d8	13.91	160	3537371	39.05	ng/ul	0.00
54) 4-Nitrophenol-d4	14.42	143	430384	31.12	ng/ul	0.00
60) Fluorene-d10	15.22	176	2201899	34.69	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.33	200	307123	30.36	ng/ul	0.00
73) Anthracene-d10	17.07	188	3031920	36.41	ng/ul	0.00
81) Pyrene-d10	19.37	212	3071204	36.21	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.22	264	2908863	36.10	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.22	88	15687	1.289	ng/uL	96
5) Pyridine	3.59	79	129159	4.184	ng/ul#	84
6) Benzaldehyde	6.74	77	74511	5.230	ng/ul	93
8) Phenol	6.79	94	160615	4.127	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.02	93	134012	4.202	ng/ul	98
12) 2-Chlorophenol	7.15	128	140033	4.179	ng/ul	96
13) 2-Methylphenol	8.02	108	107655	3.630	ng/ul	98
14) 2,2'-oxybis(1-Chloropropan	8.12	45	187361	4.209	ng/ul	98
16) Acetophenone	8.40	105	178165	3.872	ng/ul	98
17) N-Nitroso-di-n-propylamine	8.39	70	75064	3.612	ng/ul	97
18) 4-Methylphenol	8.35	108	126559	3.964	ng/ul	97
19) Hexachloroethane	8.65	117	54604	3.970	ng/ul	99
22) Nitrobenzene	8.77	77	139846	4.372	ng/ul	97
23) Isophorone	9.29	82	188485	3.326	ng/ul	100
25) 2-Nitrophenol	9.47	139	69540	4.217	ng/ul	95
26) 2,4-Dimethylphenol	9.54	107	126168	3.929	ng/ul	99
27) Bis(2-Chloroethoxy)methane	9.78	93	156590	4.013	ng/ul	98
29) 2,4-Dichlorophenol	10.00	162	117595	4.140	ng/ul	95
30) Naphthalene	10.40	128	433388	4.194	ng/ul	100
32) 4-Chloroaniline	10.51	127	161671	4.089	ng/ul	99
33) Hexachlorobutadiene	10.69	225	76337	4.114	ng/ul	97
34) Caprolactam	11.28	113	18450	2.237	ng/ul	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	11.63	107	92602	3.270	ng/ul	99
36) 2-Methylnaphthalene	12.02	142	279747	4.022	ng/ul	98
37) 1-Methylnaphthalene	12.24	142	272887	4.071	ng/ul	99
39) 1,2,4,5-Tetrachlorobenzene	12.39	216	134134	4.354	ng/ul	93
40) Hexachlorocyclopentadiene	12.37	237	68488	3.602	ng/ul	97
41) 2,4,6-Trichlorophenol	12.64	196	61802	3.305	ng/ul	98
42) 2,4,5-Trichlorophenol	12.70	196	71775	3.526	ng/ul	95
43) 1,1'-Biphenyl	13.05	154	351702	4.349	ng/ul	99
44) 2-Chloronaphthalene	13.08	162	270467	4.243	ng/ul	98
45) 2-Nitroaniline	13.29	65	45418	3.171	ng/ul	94
47) Dimethylphthalate	13.68	163	294924	3.958	ng/ul	98
48) 2,6-Dinitrotoluene	13.80	165	44600	3.124	ng/ul	97
50) Acenaphthylene	13.94	152	389307	4.159	ng/ul	99
51) 3-Nitroaniline	14.12	138	41012	3.095	ng/ul	98
52) Acenaphthene	14.28	153	276022	4.134	ng/ul	99
53) 2,4-Dinitrophenol	14.33	184	14913	1.866	ng/ul	94
55) 4-Nitrophenol	14.43	109	37072	3.737	ng/ul	93
56) Dibenzofuran	14.62	168	374527	4.139	ng/ul	98
57) 2,4-Dinitrotoluene	14.59	165	66161	3.260	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	14.85	232	50956	3.102	ng/ul	98
59) Diethylphthalate	15.06	149	253257	3.485	ng/ul	98
61) Fluorene	15.27	166	300813	4.170	ng/ul	97
62) 4-Chlorophenyl-phenylether	15.27	204	146402	4.158	ng/ul	97
63) 4-Nitroaniline	15.29	138	38135	3.234	ng/ul	90
66) 4,6-Dinitro-2-methylphenol	15.35	198	40437	3.687	ng/ul#	87
67) N-Nitrosodiphenylamine	15.49	169	233759	4.212	ng/ul	99
68) 4-Bromophenyl-phenylether	16.17	248	75745	3.912	ng/ul	95
69) Hexachlorobenzene	16.27	284	92207	4.212	ng/ul	97
70) Atrazine	16.45	200	58107	3.136	ng/ul	95
71) Pentachlorophenol	16.62	266	29664	2.396	ng/ul	97
72) Phenanthrene	17.01	178	432157	4.193	ng/ul	98
74) Anthracene	17.10	178	433211	4.169	ng/ul	98
75) 1,2,3,4-Tetrachlorobenzene	13.00	216	131569	4.755	ng/uL	96
76) Pentachlorobenzene	14.54	250	118280	4.391	ng/uL	97
77) Carbazole	17.37	167	333439	3.904	ng/ul	98
78) Di-n-butylphthalate	17.96	149	289854	2.841	ng/ul	99
80) Fluoranthene	19.03	202	411921	3.737	ng/ul	99
82) Pyrene	19.40	202	471672	4.152	ng/ul	98
83) Butylbenzylphthalate	20.33	149	96604	2.422	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.10	252	64529	2.325	ng/ul	94
85) Benzo(a)anthracene	21.16	228	388257	3.937	ng/ul	99
86) Bis(2-ethylhexyl)phthalate	21.12	149	145481	2.530	ng/ul	100
87) Chrysene	21.20	228	411912	4.239	ng/ul	98
89) Di-n-octyl phthalate	21.98	149	227834	2.296	ng/ul	100
90) Benzo(b)fluoranthene	22.70	252	390953	3.811	ng/ul	98
91) Benzo(k)fluoranthene	22.74	252	413552	4.097	ng/ul	99
93) Benzo(a)pyrene	23.26	252	385488	4.204	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.52	276	482358	4.659	ng/ul	98
95) Dibenzo(a,h)anthracene	25.54	278	395296	4.567	ng/ul	99
96) Benzo(g,h,i)perylene	26.19	276	385712	4.440	ng/ul	97

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

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