Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011221\
Data File : BN013389.D
Acq On : 12 Jan 2021 10:37
Operator : CG/JU
Sample : L4485-06
Misc : MDL-S-06
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-SOIL-06

Quant Time: Jan 12 11:14:20 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	7.59	152	351755	20.00	ng/ul	0.00
20) Naphthalene-d8	10.36	136	1486628	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.22	164	872467	20.00	ng/ul	0.00
64) Phenanthrene-d10	16.97	188	1745995	20.00	ng/ul	0.00
79) Chrysene-d12	21.16	240	1737712	20.00	ng/ul	0.00
88) Perylene-d12	23.34	264	1782061	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	42510	4.61	ng/uL	0.00
4) Pyridine-d5	3.58	84	515672	22.38	ng/ul	0.00
7) Phenol-d5	6.78	99	980318	33.19	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	6.94	67	599020	36.41	ng/ul	0.00
11) 2-Chlorophenol-d4	7.13	132	853380	33.17	ng/ul	0.00
15) 4-Methylphenol-d8	8.29	113	814476	34.13	ng/ul	0.00
21) Nitrobenzene-d5	8.73	128	397590	33.58	ng/ul	0.00
24) 2-Nitrophenol-d4	9.45	143	406821	33.33	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.98	165	762862	31.63	ng/ul	0.00
31) 4-Chloroaniline-d4	10.49	131	1117252	33.86	ng/ul	0.00
46) Dimethylphthalate-d6	13.65	166	2242862	33.24	ng/ul	0.00
49) Acenaphthylene-d8	13.92	160	2966506	35.63	ng/ul	0.00
54) 4-Nitrophenol-d4	14.42	143	371150	30.11	ng/ul	0.00
60) Fluorene-d10	15.22	176	1960296	33.58	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.33	200	266558	31.02	ng/ul	0.00
73) Anthracene-d10	17.07	188	2945515	34.73	ng/ul	0.00
81) Pyrene-d10	19.36	212	3160239	33.76	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.20	264	3166991	34.03	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.23	88	5752	0.627	ng/uL	97
5) Pyridine	3.60	79	62933	2.714	ng/ul#	62
6) Benzaldehyde	6.75	77	45319	4.086	ng/ul	94
8) Phenol	6.80	94	73980	2.476	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.03	93	64737	2.734	ng/ul	96
12) 2-Chlorophenol	7.16	128	62624	2.388	ng/ul	98
13) 2-Methylphenol	8.03	108	49190	2.137	ng/ul	99
14) 2,2'-oxybis(1-Chloropropan	8.12	45	88899	2.679	ng/ul	99
16) Acetophenone	8.40	105	85887	2.452	ng/ul	99
17) N-Nitroso-di-n-propylamine	8.40	70	35538	2.045	ng/ul	91
18) 4-Methylphenol	8.36	108	58777	2.378	ng/ul	98
19) Hexachloroethane	8.66	117	25148	2.444	ng/ul	96
22) Nitrobenzene	8.78	77	67433	2.541	ng/ul	99
23) Isophorone	9.30	82	92485	1.843	ng/ul	96
25) 2-Nitrophenol	9.48	139	33095	2.435	ng/ul	99
26) 2,4-Dimethylphenol	9.55	107	61657	2.247	ng/ul	97
27) Bis(2-Chloroethoxy)methane	9.79	93	76887	2.368	ng/ul	93
29) 2,4-Dichlorophenol	10.00	162	57608	2.426	ng/ul#	88
30) Naphthalene	10.40	128	211744	2.538	ng/ul	99
32) 4-Chloroaniline	10.52	127	83253	2.651	ng/ul	99
33) Hexachlorobutadiene	10.70	225	37575	2.532	ng/ul	96
34) Caprolactam	11.30	113	10017	1.368	ng/ul	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	11.65	107	45181	1.777	ng/ul	99
36) 2-Methylnaphthalene	12.02	142	141009	2.458	ng/ul	97
37) 1-Methylnaphthalene	12.25	142	134655	2.436	ng/ul	99
39) 1,2,4,5-Tetrachlorobenzene	12.40	216	69788	2.658	ng/ul	96
40) Hexachlorocyclopentadiene	12.39	237	34985	2.557	ng/ul	96
41) 2,4,6-Trichlorophenol	12.64	196	30548	1.764	ng/ul	96
42) 2,4,5-Trichlorophenol	12.71	196	34357	1.865	ng/ul	97
43) 1,1'-Biphenyl	13.05	154	183197	2.607	ng/ul	100
44) 2-Chloronaphthalene	13.09	162	144968	2.619	ng/ul	96
45) 2-Nitroaniline	13.29	65	21954	1.557	ng/ul	97
47) Dimethylphthalate	13.69	163	164529	2.376	ng/ul	100
48) 2,6-Dinitrotoluene	13.80	165	21994	1.675	ng/ul#	86
50) Acenaphthylene	13.94	152	212090	2.520	ng/ul	97
51) 3-Nitroaniline	14.13	138	22691	1.873	ng/ul	93
52) Acenaphthene	14.29	153	151479	2.552	ng/ul	98
53) 2,4-Dinitrophenol	14.33	184	6898	1.172	ng/ul	95
55) 4-Nitrophenol	14.43	109	21194	2.284	ng/ul#	84
56) Dibenzofuran	14.62	168	209885	2.582	ng/ul	97
57) 2,4-Dinitrotoluene	14.59	165	35561	1.901	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	14.85	232	27030	1.737	ng/ul#	97
59) Diethylphthalate	15.06	149	144427	2.052	ng/ul	98
61) Fluorene	15.27	166	172845	2.625	ng/ul	100
62) 4-Chlorophenyl-phenylether	15.27	204	84808	2.672	ng/ul	98
63) 4-Nitroaniline	15.29	138	23755	2.088	ng/ul	98
66) 4,6-Dinitro-2-methylphenol	15.35	198	22982	2.403	ng/ul#	84
67) N-Nitrosodiphenylamine	15.49	169	132083	2.401	ng/ul	99
68) 4-Bromophenyl-phenylether	16.17	248	46528	2.421	ng/ul	99
69) Hexachlorobenzene	16.27	284	54358	2.495	ng/ul	99
70) Atrazine	16.45	200	34202	1.820	ng/ul	97
71) Pentachlorophenol	16.62	266	18045	1.485	ng/ul	92
72) Phenanthrene	17.01	178	268933	2.655	ng/ul	100
74) Anthracene	17.10	178	271008	2.621	ng/ul	99
75) 1,2,3,4-Tetrachlorobenzene	13.01	216	68157	2.693	ng/uL	96
76) Pentachlorobenzene	14.55	250	66439	2.631	ng/uL	97
77) Carbazole	17.37	167	197698	2.356	ng/ul	97
78) Di-n-butylphthalate	17.96	149	182123	1.592	ng/ul	99
80) Fluoranthene	19.03	202	283988	2.372	ng/ul	98
82) Pyrene	19.39	202	314437	2.561	ng/ul	99
83) Butylbenzylphthalate	20.32	149	71134	1.348	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.09	252	56984	1.734	ng/ul	99
85) Benzo(a)anthracene	21.15	228	278716	2.430	ng/ul	99
86) Bis(2-ethylhexyl)phthalate	21.11	149	104709	1.340	ng/ul	97
87) Chrysene	21.20	228	291734	2.597	ng/ul	100
89) Di-n-octyl phthalate	21.97	149	164375	1.483	ng/ul	100
90) Benzo(b)fluoranthene	22.69	252	291392	2.564	ng/ul	99
91) Benzo(k)fluoranthene	22.73	252	281389	2.600	ng/ul	99
93) Benzo(a)pyrene	23.24	252	279335	2.711	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	25.50	276	321239	2.490	ng/ul	95
95) Dibenzo(a,h)anthracene	25.52	278	271678	2.512	ng/ul	96
96) Benzo(g,h,i)perylene	26.15	276	262995	2.405	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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