Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN010821\
Data File : BN013365.D
Acq On : 08 Jan 2021 13:24
Operator : CG/JU
Sample : L4485-02
Misc : MDL-SOIL-02
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 08 14:01:43 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

Instrument : BNA_N
ClientSampleId : MDL-SOIL-02

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	326171	20.00	ng/ul	0.00
20) Naphthalene-d8	10.36	136	1360636	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.23	164	821307	20.00	ng/ul	0.00
64) Phenanthrene-d10	16.97	188	1657128	20.00	ng/ul	0.00
79) Chrysene-d12	21.17	240	1681448	20.00	ng/ul	0.00
88) Perylene-d12	23.35	264	1667731	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	40630	4.75	ng/uL	0.00
4) Pyridine-d5	3.59	84	509505	23.85	ng/ul	0.00
7) Phenol-d5	6.78	99	894295	32.65	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	6.95	67	548276	35.94	ng/ul	0.00
11) 2-Chlorophenol-d4	7.14	132	784507	32.88	ng/ul	0.00
15) 4-Methylphenol-d8	8.30	113	752883	34.03	ng/ul	0.00
21) Nitrobenzene-d5	8.74	128	362648	33.46	ng/ul	0.00
24) 2-Nitrophenol-d4	9.46	143	372197	33.31	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.99	165	709693	32.16	ng/ul	0.00
31) 4-Chloroaniline-d4	10.50	131	1063137	35.20	ng/ul	0.00
46) Dimethylphthalate-d6	13.65	166	2210054	34.80	ng/ul	0.00
49) Acenaphthylene-d8	13.92	160	2865978	36.57	ng/ul	0.00
54) 4-Nitrophenol-d4	14.43	143	361832	31.19	ng/ul	0.00
60) Fluorene-d10	15.23	176	1901550	34.60	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.34	200	261239	32.03	ng/ul	0.00
73) Anthracene-d10	17.07	188	2876028	35.73	ng/ul	0.00
81) Pyrene-d10	19.37	212	3076387	33.97	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.22	264	3070823	35.26	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.23	88	6483m	0.762	ng/uL	
5) Pyridine	3.61	79	63306	2.944	ng/ul#	63
6) Benzaldehyde	6.76	77	47336	4.603	ng/ul	97
8) Phenol	6.80	94	77856	2.810	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.04	93	66682	3.037	ng/ul	100
12) 2-Chlorophenol	7.17	128	67054	2.758	ng/ul	99
13) 2-Methylphenol	8.04	108	53462	2.504	ng/ul	100
14) 2,2'-oxybis(1-Chloropropan	8.13	45	92055	2.992	ng/ul	99
16) Acetophenone	8.42	105	90473	2.786	ng/ul	97
17) N-Nitroso-di-n-propylamine	8.40	70	38586	2.395	ng/ul	97
18) 4-Methylphenol	8.36	108	62408	2.723	ng/ul	98
19) Hexachloroethane	8.67	117	26461	2.774	ng/ul	96
22) Nitrobenzene	8.79	77	70185	2.889	ng/ul	92
23) Isophorone	9.31	82	99447	2.165	ng/ul	100
25) 2-Nitrophenol	9.49	139	35515	2.855	ng/ul	97
26) 2,4-Dimethylphenol	9.55	107	65993	2.628	ng/ul	98
27) Bis(2-Chloroethoxy)methane	9.79	93	81536	2.744	ng/ul	99
29) 2,4-Dichlorophenol	10.01	162	60499	2.784	ng/ul#	87
30) Naphthalene	10.41	128	229830	3.010	ng/ul	100
32) 4-Chloroaniline	10.52	127	89772	3.123	ng/ul	99
33) Hexachlorobutadiene	10.71	225	41414	3.049	ng/ul	98
34) Caprolactam	11.31	113	11558	1.725	ng/ul	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	11.65	107	50933	2.189	ng/ul	93
36) 2-Methylnaphthalene	12.03	142	151204	2.880	ng/ul	99
37) 1-Methylnaphthalene	12.25	142	146412	2.893	ng/ul	100
39) 1,2,4,5-Tetrachlorobenzene	12.40	216	76035	3.076	ng/ul	99
40) Hexachlorocyclopentadiene	12.39	237	38227	2.968	ng/ul	96
41) 2,4,6-Trichlorophenol	12.65	196	33018	2.026	ng/ul	94
42) 2,4,5-Trichlorophenol	12.72	196	40150	2.315	ng/ul	97
43) 1,1'-Biphenyl	13.06	154	199719	3.019	ng/ul	99
44) 2-Chloronaphthalene	13.09	162	157305	3.019	ng/ul	98
45) 2-Nitroaniline	13.30	65	24779	1.866	ng/ul	100
47) Dimethylphthalate	13.70	163	186099	2.855	ng/ul	99
48) 2,6-Dinitrotoluene	13.80	165	24571	1.988	ng/ul#	90
50) Acenaphthylene	13.94	152	234646	2.962	ng/ul	98
51) 3-Nitroaniline	14.13	138	25042	2.196	ng/ul#	99
52) Acenaphthene	14.29	153	166833	2.985	ng/ul	96
53) 2,4-Dinitrophenol	14.33	184	8053	1.454	ng/ul	97
55) 4-Nitrophenol	14.44	109	25311	2.897	ng/ul#	85
56) Dibenzofuran	14.63	168	233167	3.047	ng/ul	98
57) 2,4-Dinitrotoluene	14.59	165	39591	2.248	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	14.86	232	30578	2.088	ng/ul	96
59) Diethylphthalate	15.07	149	163506	2.468	ng/ul	100
61) Fluorene	15.28	166	192587	3.107	ng/ul	98
62) 4-Chlorophenyl-phenylether	15.28	204	94081	3.148	ng/ul	97
63) 4-Nitroaniline	15.29	138	26521	2.477	ng/ul	97
66) 4,6-Dinitro-2-methylphenol	15.35	198	25237	2.781	ng/ul#	48
67) N-Nitrosodiphenylamine	15.50	169	148443	2.843	ng/ul	100
68) 4-Bromophenyl-phenylether	16.18	248	51278	2.811	ng/ul	94
69) Hexachlorobenzene	16.28	284	64072	3.099	ng/ul	98
70) Atrazine	16.45	200	39742	2.228	ng/ul	97
71) Pentachlorophenol	16.63	266	19356	1.679	ng/ul	97
72) Phenanthrene	17.02	178	303597	3.158	ng/ul	99
74) Anthracene	17.11	178	307307	3.132	ng/ul	100
75) 1,2,3,4-Tetrachlorobenzene	13.02	216	76098	3.168	ng/uL	98
76) Pentachlorobenzene	14.54	250	72760	3.036	ng/uL	95
77) Carbazole	17.37	167	228257	2.866	ng/ul	99
78) Di-n-butylphthalate	17.96	149	212570	1.958	ng/ul	98
80) Fluoranthene	19.04	202	315044	2.719	ng/ul	99
82) Pyrene	19.40	202	365578	3.078	ng/ul	97
83) Butylbenzylphthalate	20.33	149	74169	1.453	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.10	252	68868	2.166	ng/ul	98
85) Benzo(a)anthracene	21.16	228	322275	2.904	ng/ul	99
86) Bis(2-ethylhexyl)phthalate	21.12	149	120879	1.598	ng/ul	98
87) Chrysene	21.21	228	324487	2.986	ng/ul	99
89) Di-n-octyl phthalate	21.99	149	189412	1.826	ng/ul	100
90) Benzo(b)fluoranthene	22.70	252	324155	3.048	ng/ul	98
91) Benzo(k)fluoranthene	22.74	252	314829	3.108	ng/ul	97
93) Benzo(a)pyrene	23.26	252	288291	2.990	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.53	276	363742	3.012	ng/ul	96
95) Dibenzo(a,h)anthracene	25.54	278	305929	3.023	ng/ul	99
96) Benzo(g,h,i)perylene	26.17	276	299299	2.925	ng/ul	99

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

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