Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011121\
Data File : BN013384.D
Acq On : 11 Jan 2021 14:59
Operator : CG/JU
Sample : L4485-19
Misc : MDL-ME-S-05
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-ME-SOIL-05

Manual Integrations APPROVED
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1/12/2021 2:21:12 PM

Quant Time: Jan 11 15:34:41 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	380122	20.00	ng/ul	0.00
20) Naphthalene-d8	10.36	136	1613145	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.22	164	965837	20.00	ng/ul	0.00
64) Phenanthrene-d10	16.97	188	1954164	20.00	ng/ul	0.00
79) Chrysene-d12	21.16	240	1975327	20.00	ng/ul	-0.01
88) Perylene-d12	23.34	264	2016520	20.00	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	41096	4.12	ng/uL	0.00
4) Pyridine-d5	3.59	84	590569	23.72	ng/ul	0.00
7) Phenol-d5	6.78	99	1053331	33.00	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	6.95	67	635805	35.76	ng/ul	0.00
11) 2-Chlorophenol-d4	7.13	132	916280	32.95	ng/ul	0.00
15) 4-Methylphenol-d8	8.30	113	882544	34.22	ng/ul	0.00
21) Nitrobenzene-d5	8.74	128	432139	33.63	ng/ul	0.00
24) 2-Nitrophenol-d4	9.45	143	438669	33.12	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.98	165	832626	31.82	ng/ul	0.00
31) 4-Chloroaniline-d4	10.49	131	1243754	34.74	ng/ul	0.00
46) Dimethylphthalate-d6	13.65	166	2558577	34.26	ng/ul	0.00
49) Acenaphthylene-d8	13.92	160	3238273	35.14	ng/ul	0.00
54) 4-Nitrophenol-d4	14.42	143	427061	31.30	ng/ul	0.00
60) Fluorene-d10	15.22	176	2182434	33.77	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.33	200	312123	32.45	ng/ul	0.00
73) Anthracene-d10	17.07	188	3315656	34.93	ng/ul	0.00
81) Pyrene-d10	19.37	212	3606397	33.90	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.20	264	3624442	34.42	ng/ul	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.24	88	7595	0.766	ng/uL#	81
5) Pyridine	3.60	79	74853	2.987	ng/ul#	50
6) Benzaldehyde	6.75	77	55237m	4.609	ng/ul	
8) Phenol	6.80	94	92574	2.867	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.03	93	79076	3.090	ng/ul	95
12) 2-Chlorophenol	7.17	128	78215	2.760	ng/ul	99
13) 2-Methylphenol	8.03	108	60618	2.437	ng/ul	97
14) 2,2'-oxybis(1-Chloropropan	8.13	45	106563	2.972	ng/ul	98
16) Acetophenone	8.41	105	107454	2.839	ng/ul	98
17) N-Nitroso-di-n-propylamine	8.40	70	45300	2.412	ng/ul	96
18) 4-Methylphenol	8.36	108	72658	2.721	ng/ul	96
19) Hexachloroethane	8.66	117	31238	2.810	ng/ul	94
22) Nitrobenzene	8.78	77	80462	2.794	ng/ul	99
23) Isophorone	9.30	82	117019	2.149	ng/ul	97
25) 2-Nitrophenol	9.48	139	40801	2.767	ng/ul	97
26) 2,4-Dimethylphenol	9.55	107	75887	2.548	ng/ul	96
27) Bis(2-Chloroethoxy)methane	9.79	93	92628	2.630	ng/ul	99
29) 2,4-Dichlorophenol	10.01	162	71957	2.793	ng/ul	96
30) Naphthalene	10.41	128	266899	2.949	ng/ul	99
32) 4-Chloroaniline	10.52	127	103890	3.048	ng/ul	98
33) Hexachlorobutadiene	10.70	225	45609	2.832	ng/ul	98
34) Caprolactam	11.30	113	13310	1.675	ng/ul#	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	11.65	107	58774	2.130	ng/ul	98
36) 2-Methylnaphthalene	12.03	142	177297	2.849	ng/ul	100
37) 1-Methylnaphthalene	12.25	142	170629	2.844	ng/ul	97
39) 1,2,4,5-Tetrachlorobenzene	12.40	216	87907	3.024	ng/ul	96
40) Hexachlorocyclopentadiene	12.38	237	43839	2.895	ng/ul	96
41) 2,4,6-Trichlorophenol	12.65	196	38151	1.990	ng/ul	98
42) 2,4,5-Trichlorophenol	12.71	196	44957	2.204	ng/ul	97
43) 1,1'-Biphenyl	13.05	154	233375	3.000	ng/ul	100
44) 2-Chloronaphthalene	13.09	162	182099	2.972	ng/ul	97
45) 2-Nitroaniline	13.29	65	27821	1.782	ng/ul	95
47) Dimethylphthalate	13.69	163	213993	2.792	ng/ul	98
48) 2,6-Dinitrotoluene	13.80	165	29994	2.063	ng/ul	96
50) Acenaphthylene	13.94	152	272934	2.930	ng/ul	99
51) 3-Nitroaniline	14.12	138	31518	2.351	ng/ul	99
52) Acenaphthene	14.29	153	194216	2.955	ng/ul	99
53) 2,4-Dinitrophenol	14.33	184	9900	1.520	ng/ul	93
55) 4-Nitrophenol	14.44	109	27329	2.660	ng/ul	86
56) Dibenzofuran	14.62	168	270012	3.001	ng/ul	95
57) 2,4-Dinitrotoluene	14.59	165	46583	2.249	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	14.85	232	35635	2.069	ng/ul#	94
59) Diethylphthalate	15.06	149	188742	2.422	ng/ul	98
61) Fluorene	15.27	166	222489	3.052	ng/ul	96
62) 4-Chlorophenyl-phenylether	15.28	204	106251	3.024	ng/ul	98
63) 4-Nitroaniline	15.29	138	33316	2.646	ng/ul	96
66) 4,6-Dinitro-2-methylphenol	15.35	198	30322	2.833	ng/ul#	78
67) N-Nitrosodiphenylamine	15.49	169	174376	2.832	ng/ul	98
68) 4-Bromophenyl-phenylether	16.17	248	57518	2.674	ng/ul	91
69) Hexachlorobenzene	16.27	284	69844	2.864	ng/ul	99
70) Atrazine	16.45	200	44706	2.126	ng/ul	96
71) Pentachlorophenol	16.62	266	22459	1.652	ng/ul	98
72) Phenanthrene	17.01	178	349573	3.083	ng/ul	99
74) Anthracene	17.10	178	351268	3.036	ng/ul	99
75) 1,2,3,4-Tetrachlorobenzene	13.01	216	85332	3.013	ng/uL	98
76) Pentachlorobenzene	14.54	250	84970	3.007	ng/uL	98
77) Carbazole	17.37	167	264710	2.818	ng/ul	99
78) Di-n-butylphthalate	17.96	149	252621	1.973	ng/ul	99
80) Fluoranthene	19.03	202	364957	2.681	ng/ul	99
82) Pyrene	19.39	202	419795	3.008	ng/ul	99
83) Butylbenzylphthalate	20.32	149	90789	1.514	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.09	252	69885	1.871	ng/ul	100
85) Benzo(a)anthracene	21.15	228	371300	2.848	ng/ul	100
86) Bis(2-ethylhexyl)phthalate	21.11	149	141193	1.589	ng/ul	99
87) Chrysene	21.20	228	386837	3.030	ng/ul	99
89) Di-n-octyl phthalate	21.97	149	225851	1.800	ng/ul	100
90) Benzo(b)fluoranthene	22.69	252	378943	2.947	ng/ul	98
91) Benzo(k)fluoranthene	22.73	252	380441	3.106	ng/ul	98
93) Benzo(a)pyrene	23.25	252	348348	2.988	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.50	276	434856	2.978	ng/ul	97
95) Dibenzo(a,h)anthracene	25.51	278	368930	3.015	ng/ul	98
96) Benzo(g,h,i)perylene	26.15	276	354634	2.866	ng/ul	99

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

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