Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031521\
Data File : BG048380.D
Acq On : 15 Mar 2021 12:00
Operator : CG/JU
Sample : M1344-04
Misc : SFAM-MDL-S-02
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT2-2021-04

Manual Integrations APPROVED
mohammad
3/16/2021 11:16:26 AM

Quant Time: Mar 15 13:37:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG031121.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 15 10:45:12 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	42861	20.00	ng/ul	0.00
20) Naphthalene-d8	10.94	136	163051	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.75	164	130868	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.51	188	340444	20.00	ng/ul	0.00
79) Chrysene-d12	21.81	240	380854	20.00	ng/ul	0.00
88) Perylene-d12	25.14	264	363212	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.50	96	3995	4.04	ng/uL	0.00
4) Pyridine-d5	3.93	84	76450	25.24	ng/ul	0.00
7) Phenol-d5	7.25	99	115503	31.02	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.43	67	80279	34.91	ng/ul	0.00
11) 2-Chlorophenol-d4	7.64	132	82164	31.75	ng/ul	0.00
15) 4-Methylphenol-d8	8.81	113	91962	30.11	ng/ul	0.00
21) Nitrobenzene-d5	9.28	128	41093	36.40	ng/ul	-0.01
24) 2-Nitrophenol-d4	10.01	143	42169	34.12	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.55	165	96395	31.74	ng/ul	0.00
31) 4-Chloroaniline-d4	11.06	131	116934	30.57	ng/ul	0.00
46) Dimethylphthalate-d6	14.16	166	349418	32.46	ng/ul	0.00
49) Acenaphthylene-d8	14.45	160	404504	34.22	ng/ul	0.00
54) 4-Nitrophenol-d4	14.93	143	50588	31.55	ng/ul	0.00
60) Fluorene-d10	15.75	176	315430	33.19	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.85	200	51912	29.84	ng/ul	0.00
73) Anthracene-d10	17.60	188	519902	33.42	ng/ul	0.00
81) Pyrene-d10	19.89	212	625122	32.10	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.91	264	678875	34.48	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.55	88	1377	1.387	ng/uL#	53
5) Pyridine	3.96	79	10527m	3.480	ng/ul	
6) Benzaldehyde	7.24	77	11352	4.828	ng/ul#	88
8) Phenol	7.28	94	13377	3.398	ng/ul#	77
10) Bis(2-Chloroethyl)ether	7.52	93	10241	3.567	ng/ul	91
12) 2-Chlorophenol	7.67	128	9487	3.454	ng/ul#	81
13) 2-Methylphenol	8.55	108	9220	3.131	ng/ul	90
14) 2,2'-oxybis(1-Chloropropan	8.65	45	12550	3.700	ng/ul#	82
16) Acetophenone	8.94	105	18240	3.642	ng/ul	93
17) N-Nitroso-di-n-propylamine	8.92	70	10157	3.421	ng/ul	94
18) 4-Methylphenol	8.87	108	10260	3.319	ng/ul	99
19) Hexachloroethane	9.21	117	4888	3.819	ng/ul#	63
22) Nitrobenzene	9.33	77	15860	4.261	ng/ul	96
23) Isophorone	9.85	82	27868	3.623	ng/ul	97
25) 2-Nitrophenol	10.04	139	5596	3.976	ng/ul	97
26) 2,4-Dimethylphenol	10.09	107	13470	3.637	ng/ul	97
27) Bis(2-Chloroethoxy)methane	10.34	93	13326	3.441	ng/ul	99
29) 2,4-Dichlorophenol	10.57	162	10552	3.719	ng/ul	92
30) Naphthalene	10.99	128	31975	3.711	ng/ul	97
32) 4-Chloroaniline	11.09	127	12688	3.373	ng/ul	99
33) Hexachlorobutadiene	11.27	225	9683	3.588	ng/ul#	82
34) Caprolactam	11.86	113	3685m	3.409	ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	12.19	107	10764	3.235	ng/ul	92
36) 2-Methylnaphthalene	12.59	142	24739	3.722	ng/ul	98
37) 1-Methylnaphthalene	12.81	142	23327	3.544	ng/ul	97
39) 1,2,4,5-Tetrachlorobenzene	12.95	216	17694	3.552	ng/ul	93
40) Hexachlorocyclopentadiene	12.94	237	11080	3.063	ng/ul	99
41) 2,4,6-Trichlorophenol	13.19	196	9704	3.165	ng/ul#	87
42) 2,4,5-Trichlorophenol	13.25	196	10879	3.306	ng/ul	90
43) 1,1'-Biphenyl	13.59	154	33861	3.497	ng/ul#	95
44) 2-Chloronaphthalene	13.63	162	28634	3.775	ng/ul	94
45) 2-Nitroaniline	13.83	65	7160	3.056	ng/ul#	84
47) Dimethylphthalate	14.20	163	37574	3.455	ng/ul#	91
48) 2,6-Dinitrotoluene	14.31	165	7018	3.768	ng/ul	99
50) Acenaphthylene	14.48	152	40892	3.607	ng/ul	96
51) 3-Nitroaniline	14.64	138	6926	3.868	ng/ul#	74
52) Acenaphthene	14.82	153	29174	3.470	ng/ul	95
53) 2,4-Dinitrophenol	14.85	184	3566	2.878	ng/ul	97
55) 4-Nitrophenol	14.94	109	7690	3.622	ng/ul#	77
56) Dibenzofuran	15.15	168	46211	3.869	ng/ul	93
57) 2,4-Dinitrotoluene	15.11	165	9419	3.516	ng/ul#	92
58) 2,3,4,6-Tetrachlorophenol	15.38	232	10408	3.346	ng/ul#	90
59) Diethylphthalate	15.57	149	36681	3.375	ng/ul	98
61) Fluorene	15.81	166	37221	3.661	ng/ul	91
62) 4-Chlorophenyl-phenylether	15.79	204	21030	3.410	ng/ul	95
63) 4-Nitroaniline	15.81	138	7237	3.882	ng/ul#	74
66) 4,6-Dinitro-2-methylphenol	15.87	198	6617	3.622	ng/ul#	81
67) N-Nitrosodiphenylamine	16.01	169	32545	3.451	ng/ul	94
68) 4-Bromophenyl-phenylether	16.69	248	14231	3.287	ng/ul	91
69) Hexachlorobenzene	16.81	284	15343	3.372	ng/ul#	93
70) Atrazine	16.95	200	14499	3.417	ng/ul#	86
71) Pentachlorophenol	17.15	266	8269	2.864	ng/ul	92
72) Phenanthrene	17.55	178	63985	3.702	ng/ul	97
74) Anthracene	17.64	178	64675	3.637	ng/ul	98
75) 1,2,3,4-Tetrachlorobenzene	13.56	216	17810	3.337	ng/uL	93
76) Pentachlorobenzene	15.07	250	17993	3.218	ng/uL	94
77) Carbazole	17.90	167	54293	3.604	ng/ul	96
78) Di-n-butylphthalate	18.47	149	62980	3.340	ng/ul#	97
80) Fluoranthene	19.55	202	87791	3.632	ng/ul	99
82) Pyrene	19.92	202	87767	3.637	ng/ul	98
83) Butylbenzylphthalate	20.81	149	26288	3.046	ng/ul	89
84) 3,3'-Dichlorobenzidine	21.69	252	29935	3.209	ng/ul#	93
85) Benzo(a)anthracene	21.78	228	90986	3.616	ng/ul	98
86) Bis(2-ethylhexyl)phthalate	21.69	149	36366	2.890	ng/ul	94
87) Chrysene	21.85	228	86872	3.610	ng/ul	99
89) Di-n-octyl phthalate	22.95	149	61940	3.133	ng/ul	100
90) Benzo(b)fluoranthene	24.08	252	88233	3.673	ng/ul	98
91) Benzo(k)fluoranthene	24.15	252	89220	3.779	ng/ul	98
93) Benzo(a)pyrene	24.98	252	76147	3.608	ng/ul	92
94) Indeno(1,2,3-cd)pyrene	28.97	276	98569m	3.631	ng/ul	
95) Dibenzo(a,h)anthracene	29.04	278	84690	3.837	ng/ul#	93
96) Benzo(g,h,i)perylene	30.15	276	78206	3.554	ng/ul	97

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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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