Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031221\
Data File : BG048371.D
Acq On : 12 Mar 2021 16:49
Operator : CG/JU
Sample : M1344-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT2-2021-03

Manual Integrations APPROVED
mohammad
3/15/2021 11:31:26 AM

Quant Time: Mar 12 17:26:27 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG031121.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 12 10:06:23 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	52974	20.00	ng/ul	0.00
20) Naphthalene-d8	10.94	136	200827	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.76	164	156366	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.51	188	387295	20.00	ng/ul	0.00
79) Chrysene-d12	21.81	240	435911	20.00	ng/ul	0.00
88) Perylene-d12	25.15	264	427338	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.52	96	4289	3.51	ng/uL	0.01
4) Pyridine-d5	3.94	84	97732	26.11	ng/ul	0.00
7) Phenol-d5	7.26	99	131525	28.58	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.44	67	86000	30.26	ng/ul	0.00
11) 2-Chlorophenol-d4	7.65	132	96069	30.04	ng/ul	0.00
15) 4-Methylphenol-d8	8.81	113	106279	28.15	ng/ul	0.00
21) Nitrobenzene-d5	9.29	128	46094	33.15	ng/ul	-0.01
24) 2-Nitrophenol-d4	10.01	143	51979	34.14	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.55	165	108511	29.01	ng/ul	0.00
31) 4-Chloroaniline-d4	11.07	131	130114	27.62	ng/ul	0.00
46) Dimethylphthalate-d6	14.16	166	366080	28.46	ng/ul	0.00
49) Acenaphthylene-d8	14.46	160	426163	30.17	ng/ul	0.00
54) 4-Nitrophenol-d4	14.93	143	53739	28.05	ng/ul	0.00
60) Fluorene-d10	15.75	176	321712	28.33	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.85	200	56093	28.34	ng/ul	0.00
73) Anthracene-d10	17.61	188	539544	30.49	ng/ul	0.00
81) Pyrene-d10	19.90	212	642180	28.81	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.93	264	710092	30.65	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.56	88	1595m	1.300	ng/uL	
5) Pyridine	3.96	79	12508m	3.345	ng/ul	
6) Benzaldehyde	7.25	77	13696	4.713	ng/ul	94
8) Phenol	7.28	94	15864	3.261	ng/ul#	88
10) Bis(2-Chloroethyl)ether	7.53	93	12075	3.403	ng/ul#	74
12) 2-Chlorophenol	7.68	128	11638	3.428	ng/ul	91
13) 2-Methylphenol	8.54	108	11051	3.036	ng/ul#	78
14) 2,2'-oxybis(1-Chloropropan	8.64	45	13007	3.103	ng/ul#	95
16) Acetophenone	8.94	105	19740	3.189	ng/ul	96
17) N-Nitroso-di-n-propylamine	8.93	70	11939	3.254	ng/ul#	94
18) 4-Methylphenol	8.88	108	12098	3.166	ng/ul	95
19) Hexachloroethane	9.21	117	5052	3.194	ng/ul	93
22) Nitrobenzene	9.33	77	17009	3.710	ng/ul	96
23) Isophorone	9.86	82	29959	3.162	ng/ul#	93
25) 2-Nitrophenol	10.04	139	6171	3.559	ng/ul	94
26) 2,4-Dimethylphenol	10.09	107	15328	3.360	ng/ul	86
27) Bis(2-Chloroethoxy)methane	10.34	93	15801	3.313	ng/ul#	89
29) 2,4-Dichlorophenol	10.58	162	11780	3.371	ng/ul#	89
30) Naphthalene	10.99	128	34620	3.262	ng/ul	98
32) 4-Chloroaniline	11.09	127	15025	3.243	ng/ul	94
33) Hexachlorobutadiene	11.28	225	11809	3.553	ng/ul	97
34) Caprolactam	11.88	113	3671m	2.757	ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	12.19	107	13203	3.221	ng/ul	96
36) 2-Methylnaphthalene	12.59	142	26981	3.296	ng/ul	93
37) 1-Methylnaphthalene	12.81	142	26271	3.240	ng/ul#	91
39) 1,2,4,5-Tetrachlorobenzene	12.95	216	20811	3.496	ng/ul	93
40) Hexachlorocyclopentadiene	12.94	237	13083	3.027	ng/ul	97
41) 2,4,6-Trichlorophenol	13.19	196	11576	3.160	ng/ul	95
42) 2,4,5-Trichlorophenol	13.25	196	11900	3.027	ng/ul	93
43) 1,1'-Biphenyl	13.60	154	37941	3.279	ng/ul	93
44) 2-Chloronaphthalene	13.64	162	29193	3.221	ng/ul	94
45) 2-Nitroaniline	13.83	65	9436	3.370	ng/ul	85
47) Dimethylphthalate	14.20	163	39231	3.019	ng/ul	96
48) 2,6-Dinitrotoluene	14.32	165	7610	3.420	ng/ul#	93
50) Acenaphthylene	14.48	152	40823	3.014	ng/ul	96
51) 3-Nitroaniline	14.65	138	7111	3.324	ng/ul	98
52) Acenaphthene	14.83	153	30551	3.041	ng/ul	93
53) 2,4-Dinitrophenol	14.86	184	4150	2.803	ng/ul#	78
55) 4-Nitrophenol	14.94	109	9100	3.587	ng/ul#	70
56) Dibenzofuran	15.15	168	46418	3.253	ng/ul	98
57) 2,4-Dinitrotoluene	15.11	165	10725	3.351	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.37	232	12184	3.278	ng/ul	96
59) Diethylphthalate	15.57	149	40546	3.122	ng/ul	96
61) Fluorene	15.81	166	37076	3.052	ng/ul	96
62) 4-Chlorophenyl-phenylether	15.80	204	22689	3.079	ng/ul	98
63) 4-Nitroaniline	15.81	138	7873	3.534	ng/ul	99
66) 4,6-Dinitro-2-methylphenol	15.87	198	6308	3.036	ng/ul#	34
67) N-Nitrosodiphenylamine	16.01	169	35454	3.305	ng/ul	98
68) 4-Bromophenyl-phenylether	16.69	248	15467	3.140	ng/ul	95
69) Hexachlorobenzene	16.81	284	16055	3.101	ng/ul#	84
70) Atrazine	16.95	200	14578	3.020	ng/ul	94
71) Pentachlorophenol	17.15	266	9352	2.848	ng/ul	94
72) Phenanthrene	17.56	178	62938	3.201	ng/ul	99
74) Anthracene	17.65	178	65653	3.245	ng/ul	96
75) 1,2,3,4-Tetrachlorobenzene	13.56	216	19104	3.146	ng/uL	93
76) Pentachlorobenzene	15.07	250	19955	3.137	ng/uL	96
77) Carbazole	17.91	167	55422	3.234	ng/ul	97
78) Di-n-butylphthalate	18.47	149	68149	3.177	ng/ul	99
80) Fluoranthene	19.56	202	86683	3.134	ng/ul	100
82) Pyrene	19.93	202	85769	3.105	ng/ul	98
83) Butylbenzylphthalate	20.81	149	29713	3.008	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.69	252	32931	3.084	ng/ul	89
85) Benzo(a)anthracene	21.78	228	94438	3.279	ng/ul	95
86) Bis(2-ethylhexyl)phthalate	21.69	149	42546	2.954	ng/ul	95
87) Chrysene	21.85	228	89792	3.260	ng/ul	98
89) Di-n-octyl phthalate	22.96	149	73141	3.144	ng/ul	100
90) Benzo(b)fluoranthene	24.09	252	88615	3.135	ng/ul#	93
91) Benzo(k)fluoranthene	24.15	252	91589m	3.297	ng/ul	
93) Benzo(a)pyrene	24.99	252	75651	3.047	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.97	276	103148m	3.229	ng/ul	
95) Dibenzo(a,h)anthracene	29.06	278	86560	3.333	ng/ul	97
96) Benzo(g,h,i)perylene	30.17	276	82364	3.181	ng/ul	96

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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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