Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121620\
Data File : BG047753.D
Acq On : 16 Dec 2020 12:13
Operator : CG/JU
Sample : L4485-07
Misc : MDL-SOIL-07
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-07

Manual Integrations APPROVED
mohammad
12/17/2020 11:37:26 AM

Quant Time: Dec 16 12:52:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG121120.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 16 10:08:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	28162	20.00	ng/ul	0.00
20) Naphthalene-d8	11.03	136	107834	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.82	164	82342	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.56	188	209201	20.00	ng/ul	0.00
79) Chrysene-d12	21.83	240	235563	20.00	ng/ul	0.00
88) Perylene-d12	25.18	264	247281	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.53	96	3048m	4.76	ng/uL	0.00
4) Pyridine-d5	3.96	84	43564	23.97	ng/ul	0.00
7) Phenol-d5	7.34	99	75078	31.78	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.52	67	43392	34.86	ng/ul	0.00
11) 2-Chlorophenol-d4	7.73	132	56959	31.88	ng/ul	0.00
15) 4-Methylphenol-d8	8.90	113	60004	33.40	ng/ul	0.00
21) Nitrobenzene-d5	9.37	128	29167	32.14	ng/ul	0.00
24) 2-Nitrophenol-d4	10.10	143	33848	32.77	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.64	165	68322	31.32	ng/ul	0.00
31) 4-Chloroaniline-d4	11.15	131	77971	30.71	ng/ul	0.00
46) Dimethylphthalate-d6	14.21	166	226399	33.32	ng/ul	0.00
49) Acenaphthylene-d8	14.52	160	265925	34.22	ng/ul	0.00
54) 4-Nitrophenol-d4	14.99	143	32053	30.97	ng/ul	0.00
60) Fluorene-d10	15.81	176	200860	31.66	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.91	200	42962	30.01	ng/ul	0.00
73) Anthracene-d10	17.66	188	338265	33.26	ng/ul	0.00
81) Pyrene-d10	19.93	212	411371	32.26	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.96	264	420104	30.27	ng/ul	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.56	88	393	0.595	ng/uL#	52
5) Pyridine	3.98	79	5298m	3.109	ng/ul	
6) Benzaldehyde	7.33	77	5868	5.406	ng/ul#	84
8) Phenol	7.36	94	7933	3.417	ng/ul#	81
10) Bis(2-Chloroethyl)ether	7.60	93	6457	3.999	ng/ul	98
12) 2-Chlorophenol	7.76	128	5172	2.918	ng/ul	87
13) 2-Methylphenol	8.63	108	5051	2.860	ng/ul	84
14) 2,2'-oxybis(1-Chloropropan	8.73	45	4950	3.294	ng/ul#	82
16) Acetophenone	9.03	105	8776	2.908	ng/ul	95
17) N-Nitroso-di-n-propylamine	9.00	70	5581	3.368	ng/ul#	92
18) 4-Methylphenol	8.96	108	5525	2.851	ng/ul	96
19) Hexachloroethane	9.30	117	3143	3.621	ng/ul#	70
22) Nitrobenzene	9.41	77	9082	3.361	ng/ul	98
23) Isophorone	9.94	82	13583	2.894	ng/ul	96
25) 2-Nitrophenol	10.13	139	3948	3.658	ng/ul#	74
26) 2,4-Dimethylphenol	10.17	107	7554	2.982	ng/ul	94
27) Bis(2-Chloroethoxy)methane	10.41	93	7926	3.539	ng/ul	92
29) 2,4-Dichlorophenol	10.66	162	5955	2.975	ng/ul	96
30) Naphthalene	11.08	128	18122	3.042	ng/ul#	96
32) 4-Chloroaniline	11.18	127	7171	2.955	ng/ul	90
33) Hexachlorobutadiene	11.36	225	6324	2.942	ng/ul#	85
34) Caprolactam	11.94	113	1883m	2.777	ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	12.27	107	5977	2.709	ng/ul#	47
36) 2-Methylnaphthalene	12.67	142	14439	3.212	ng/ul	100
37) 1-Methylnaphthalene	12.89	142	14740	3.432	ng/ul	88
39) 1,2,4,5-Tetrachlorobenzene	13.03	216	11087	3.269	ng/ul#	98
40) Hexachlorocyclopentadiene	13.02	237	4939	2.221	ng/ul#	92
41) 2,4,6-Trichlorophenol	13.27	196	5584	2.746	ng/ul#	69
42) 2,4,5-Trichlorophenol	13.33	196	6290m	2.921	ng/ul	
43) 1,1'-Biphenyl	13.66	154	19156	3.012	ng/ul	95
44) 2-Chloronaphthalene	13.71	162	16357	3.267	ng/ul	95
45) 2-Nitroaniline	13.89	65	5087	2.958	ng/ul#	62
47) Dimethylphthalate	14.26	163	21153	3.038	ng/ul#	94
48) 2,6-Dinitrotoluene	14.38	165	4556	3.097	ng/ul	86
50) Acenaphthylene	14.55	152	23623	3.226	ng/ul#	93
51) 3-Nitroaniline	14.71	138	3705	3.508	ng/ul#	98
52) Acenaphthene	14.88	153	16357	3.143	ng/ul	86
53) 2,4-Dinitrophenol	14.94	184	801	0.918	ng/ul#	84
55) 4-Nitrophenol	15.01	109	5176	2.949	ng/ul#	91
56) Dibenzofuran	15.22	168	25547	3.389	ng/ul	90
57) 2,4-Dinitrotoluene	15.17	165	6034	2.862	ng/ul#	84
58) 2,3,4,6-Tetrachlorophenol	15.44	232	4902	2.458	ng/ul#	95
59) Diethylphthalate	15.62	149	21354	3.098	ng/ul	92
61) Fluorene	15.86	166	19425	2.998	ng/ul#	82
62) 4-Chlorophenyl-phenylether	15.85	204	11818	2.916	ng/ul#	85
63) 4-Nitroaniline	15.87	138	4129m	4.158	ng/ul	
66) 4,6-Dinitro-2-methylphenol	15.93	198	3786m	2.605	ng/ul	
67) N-Nitrosodiphenylamine	16.06	169	18796	3.229	ng/ul#	87
68) 4-Bromophenyl-phenylether	16.74	248	8283	3.084	ng/ul	89
69) Hexachlorobenzene	16.86	284	9478	3.214	ng/ul#	88
70) Atrazine	16.99	200	8358	3.014	ng/ul#	87
71) Pentachlorophenol	17.20	266	1617m	1.167	ng/ul	
72) Phenanthrene	17.60	178	36140m	3.181	ng/ul	
74) Anthracene	17.69	178	35942	3.167	ng/ul#	94
75) 1,2,3,4-Tetrachlorobenzene	13.63	216	10954	3.231	ng/uL#	85
76) Pentachlorobenzene	15.14	250	9910	2.995	ng/uL#	86
77) Carbazole	17.95	167	28990	3.134	ng/ul	94
78) Di-n-butylphthalate	18.50	149	33713	2.971	ng/ul	98
80) Fluoranthene	19.60	202	48373	2.996	ng/ul	99
82) Pyrene	19.95	202	49612	3.113	ng/ul#	97
83) Butylbenzylphthalate	20.82	149	15790	2.840	ng/ul	86
84) 3,3'-Dichlorobenzidine	21.72	252	17480	3.014	ng/ul#	90
85) Benzo(a)anthracene	21.81	228	55048m	3.311	ng/ul	
86) Bis(2-ethylhexyl)phthalate	21.70	149	22837	2.980	ng/ul#	91
87) Chrysene	21.88	228	50856	3.223	ng/ul	98
89) Di-n-octyl phthalate	22.94	149	39073	3.003	ng/ul	100
90) Benzo(b)fluoranthene	24.11	252	55052	3.185	ng/ul#	93
91) Benzo(k)fluoranthene	24.18	252	54945m	3.218	ng/ul	
93) Benzo(a)pyrene	25.02	252	47363m	3.107	ng/ul	
94) Indeno(1,2,3-cd)pyrene	29.01	276	56886m	3.016	ng/ul	
95) Dibenzo(a,h)anthracene	29.07	278	49642m	3.169	ng/ul	
96) Benzo(g,h,i)perylene	30.21	276	48449m	3.119	ng/ul	

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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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