Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121120\
Data File : BG047726.D
Acq On : 11 Dec 2020 23:11
Operator : CG/JU
Sample : L4485-16
Misc : ME-SOIL-02
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MDL-ME-SOIL-02

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12/14/2020 2:44:59 PM

Quant Time: Dec 12 00:48:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG121120.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 11 23:58:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	50516	20.00	ng/ul	0.00
20) Naphthalene-d8	11.04	136	239237	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.83	164	178452	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.56	188	464081m	20.00	ng/ul	0.00
79) Chrysene-d12	21.84	240	520629	20.00	ng/ul	0.00
88) Perylene-d12	25.20	264	574099	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.52	96	5650	4.92	ng/uL	0.00
4) Pyridine-d5	3.96	84	84315	25.87	ng/ul	0.00
7) Phenol-d5	7.35	99	177670	41.92	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.52	67	102544	45.93	ng/ul	0.00
11) 2-Chlorophenol-d4	7.73	132	121058	37.78	ng/ul	0.00
15) 4-Methylphenol-d8	8.91	113	143454	44.51	ng/ul	0.01
21) Nitrobenzene-d5	9.38	128	66782	33.17	ng/ul	0.00
24) 2-Nitrophenol-d4	10.10	143	84665	36.95	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.64	165	159422	32.94	ng/ul	0.00
31) 4-Chloroaniline-d4	11.16	131	182433	32.39	ng/ul	0.00
46) Dimethylphthalate-d6	14.22	166	587842	39.92	ng/ul	0.00
49) Acenaphthylene-d8	14.53	160	623097	37.00	ng/ul	0.00
54) 4-Nitrophenol-d4	15.01	143	79795	35.57	ng/ul	0.01
60) Fluorene-d10	15.82	176	474680	34.52	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.92	200	118843m	37.42	ng/ul	0.00
73) Anthracene-d10	17.66	188	766407	33.97	ng/ul	0.00
81) Pyrene-d10	19.94	212	895112	31.76	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.98	264	1018122	31.60	ng/ul	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.57	88	874m	0.738	ng/uL	
5) Pyridine	3.99	79	9416m	3.080	ng/ul	
6) Benzaldehyde	7.33	77	11376m	5.843	ng/ul	
8) Phenol	7.38	94	14886	3.575	ng/ul	93
10) Bis(2-Chloroethyl)ether	7.62	93	10500	3.625	ng/ul	92
12) 2-Chlorophenol	7.76	128	9952	3.130	ng/ul#	87
13) 2-Methylphenol	8.63	108	11586m	3.657	ng/ul	
14) 2,2'-oxybis(1-Chloropropan	8.72	45	10384	3.852	ng/ul#	84
16) Acetophenone	9.03	105	19361	3.576	ng/ul#	85
17) N-Nitroso-di-n-propylamine	9.01	70	12010	4.040	ng/ul#	95
18) 4-Methylphenol	8.97	108	11451	3.294	ng/ul	91
19) Hexachloroethane	9.30	117	4360	2.800	ng/ul	84
22) Nitrobenzene	9.41	77	18162	3.030	ng/ul#	80
23) Isophorone	9.94	82	31840	3.058	ng/ul	98
25) 2-Nitrophenol	10.13	139	6945	2.901	ng/ul	89
26) 2,4-Dimethylphenol	10.18	107	16895	3.006	ng/ul	95
27) Bis(2-Chloroethoxy)methane	10.42	93	15830	3.186	ng/ul	93
29) 2,4-Dichlorophenol	10.67	162	13663	3.077	ng/ul#	95
30) Naphthalene	11.08	128	37566	2.842	ng/ul	97
32) 4-Chloroaniline	11.18	127	15324	2.846	ng/ul	92
33) Hexachlorobutadiene	11.36	225	14078	2.952	ng/ul#	74
34) Caprolactam	11.99	113	4627m	3.076	ng/ul	

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35) 4-Chloro-3-methylphenol	12.28	107	14560	2.975	ng/ul#	86
36) 2-Methylnaphthalene	12.67	142	28292	2.837	ng/ul	97
37) 1-Methylnaphthalene	12.89	142	27269	2.861	ng/ul#	88
39) 1,2,4,5-Tetrachlorobenzene	13.03	216	19487	2.652	ng/ul	95
40) Hexachlorocyclopentadiene	13.01	237	12217	2.535	ng/ul	98
41) 2,4,6-Trichlorophenol	13.26	196	13708	3.110	ng/ul#	77
42) 2,4,5-Trichlorophenol	13.34	196	15062	3.227	ng/ul	94
43) 1,1'-Biphenyl	13.66	154	43459	3.153	ng/ul	95
44) 2-Chloronaphthalene	13.71	162	34604	3.189	ng/ul	100
45) 2-Nitroaniline	13.90	65	13753	3.690	ng/ul	90
47) Dimethylphthalate	14.27	163	53573	3.550	ng/ul	98
48) 2,6-Dinitrotoluene	14.38	165	10068	3.158	ng/ul	93
50) Acenaphthylene	14.55	152	54641	3.443	ng/ul#	90
51) 3-Nitroaniline	14.72	138	8406	3.672	ng/ul#	87
52) Acenaphthene	14.89	153	36672	3.252	ng/ul	94
53) 2,4-Dinitrophenol	14.93	184	4114	2.175	ng/ul#	71
55) 4-Nitrophenol	15.02	109	19605m	5.154	ng/ul	
56) Dibenzofuran	15.22	168	55664	3.407	ng/ul	99
57) 2,4-Dinitrotoluene	15.18	165	14577	3.190	ng/ul#	92
58) 2,3,4,6-Tetrachlorophenol	15.45	232	12995	3.006	ng/ul#	83
59) Diethylphthalate	15.62	149	57340	3.838	ng/ul	93
61) Fluorene	15.87	166	50389	3.588	ng/ul#	89
62) 4-Chlorophenyl-phenylether	15.85	204	33440	3.808	ng/ul	93
63) 4-Nitroaniline	15.87	138	8793	4.086	ng/ul#	69
66) 4,6-Dinitro-2-methylphenol	15.94	198	11994m	3.720	ng/ul	
67) N-Nitrosodiphenylamine	16.07	169	44787	3.468	ng/ul	90
68) 4-Bromophenyl-phenylether	16.75	248	22054	3.701	ng/ul	99
69) Hexachlorobenzene	16.87	284	19487	2.979	ng/ul#	89
70) Atrazine	17.00	200	20808m	3.383	ng/ul	
71) Pentachlorophenol	17.21	266	6500m	2.114	ng/ul	
72) Phenanthrene	17.61	178	80409m	3.191	ng/ul	
74) Anthracene	17.70	178	81676	3.244	ng/ul	99
75) 1,2,3,4-Tetrachlorobenzene	13.63	216	20354	2.706	ng/uL	92
76) Pentachlorobenzene	15.14	250	20545	2.799	ng/uL#	85
77) Carbazole	17.96	167	70699	3.445	ng/ul	98
78) Di-n-butylphthalate	18.50	149	82610	3.282	ng/ul	98
80) Fluoranthene	19.60	202	104437	2.927	ng/ul#	98
82) Pyrene	19.96	202	98599	2.799	ng/ul#	97
83) Butylbenzylphthalate	20.82	149	34038	2.770	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.72	252	31025	2.420	ng/ul#	83
85) Benzo(a)anthracene	21.82	228	108327	2.948	ng/ul	99
86) Bis(2-ethylhexyl)phthalate	21.70	149	51704	3.052	ng/ul	94
87) Chrysene	21.89	228	101833	2.920	ng/ul	99
89) Di-n-octyl phthalate	22.96	149	87873	2.909	ng/ul	100
90) Benzo(b)fluoranthene	24.12	252	108717	2.709	ng/ul	98
91) Benzo(k)fluoranthene	24.19	252	108980	2.749	ng/ul	99
93) Benzo(a)pyrene	25.04	252	99271	2.805	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	29.03	276	127850m	2.920	ng/ul	
95) Dibenzo(a,h)anthracene	29.10	278	110242	3.031	ng/ul#	94
96) Benzo(g,h,i)perylene	30.22	276	107066m	2.969	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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