Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121620\
Data File : BG047752.D
Acq On : 16 Dec 2020 11:32
Operator : CG/JU
Sample : L4485-06
Misc : MDL-SOIL-06
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MDL-SOIL-06

Manual Integrations APPROVED
mohammad
12/17/2020 11:37:23 AM

Quant Time: Dec 16 12:10:22 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	27717	20.00	ng/ul	0.00
20) Naphthalene-d8	11.03	136	105437	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.82	164	82928	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.56	188	214356	20.00	ng/ul	0.00
79) Chrysene-d12	21.84	240	241376	20.00	ng/ul	0.00
88) Perylene-d12	25.18	264	252369	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.53	96	3079m	4.89	ng/uL	0.00
4) Pyridine-d5	3.96	84	43133	24.12	ng/ul	0.00
7) Phenol-d5	7.34	99	74775	32.16	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.51	67	42254	34.49	ng/ul	0.00
11) 2-Chlorophenol-d4	7.73	132	55863	31.77	ng/ul	0.00
15) 4-Methylphenol-d8	8.89	113	60555	34.24	ng/ul	-0.01
21) Nitrobenzene-d5	9.37	128	28284	31.88	ng/ul	0.00
24) 2-Nitrophenol-d4	10.10	143	35834	35.48	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.64	165	65936	30.91	ng/ul	0.00
31) 4-Chloroaniline-d4	11.15	131	77782	31.33	ng/ul	0.00
46) Dimethylphthalate-d6	14.22	166	223525	32.66	ng/ul	0.00
49) Acenaphthylene-d8	14.52	160	264334	33.77	ng/ul	0.00
54) 4-Nitrophenol-d4	14.99	143	29955	28.74	ng/ul	0.00
60) Fluorene-d10	15.81	176	200596	31.39	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.92	200	44765	30.51	ng/ul	0.00
73) Anthracene-d10	17.66	188	331379	31.80	ng/ul	0.00
81) Pyrene-d10	19.93	212	422190	32.31	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.96	264	431865	30.49	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.56	88	483	0.743	ng/uL#	82
5) Pyridine	3.97	79	5636m	3.360	ng/ul	
6) Benzaldehyde	7.33	77	6010	5.626	ng/ul	85
8) Phenol	7.37	94	7103	3.109	ng/ul#	72
10) Bis(2-Chloroethyl)ether	7.61	93	4769	3.001	ng/ul#	72
12) 2-Chlorophenol	7.76	128	5052	2.896	ng/ul#	72
13) 2-Methylphenol	8.63	108	5076	2.920	ng/ul	91
14) 2,2'-oxybis(1-Chloropropan	8.74	45	4042m	2.733	ng/ul	
16) Acetophenone	9.03	105	9938	3.346	ng/ul	92
17) N-Nitroso-di-n-propylamine	9.00	70	5191	3.183	ng/ul	89
18) 4-Methylphenol	8.96	108	5592	2.932	ng/ul	83
19) Hexachloroethane	9.29	117	2616m	3.062	ng/ul	
22) Nitrobenzene	9.41	77	8535	3.231	ng/ul#	93
23) Isophorone	9.94	82	12838	2.798	ng/ul	95
25) 2-Nitrophenol	10.13	139	3415m	3.236	ng/ul	
26) 2,4-Dimethylphenol	10.18	107	6985	2.820	ng/ul#	78
27) Bis(2-Chloroethoxy)methane	10.42	93	6222	2.841	ng/ul	96
29) 2,4-Dichlorophenol	10.66	162	7040	3.597	ng/ul#	89
30) Naphthalene	11.08	128	17201	2.953	ng/ul#	87
32) 4-Chloroaniline	11.18	127	7036	2.965	ng/ul	91
33) Hexachlorobutadiene	11.37	225	6021	2.865	ng/ul	91
34) Caprolactam	11.94	113	1613m	2.433	ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	12.28	107	6103	2.829	ng/ul#	86
36) 2-Methylnaphthalene	12.67	142	13027	2.964	ng/ul	95
37) 1-Methylnaphthalene	12.88	142	12840	3.057	ng/ul#	95
39) 1,2,4,5-Tetrachlorobenzene	13.03	216	10562	3.093	ng/ul#	79
40) Hexachlorocyclopentadiene	13.00	237	4693	2.096	ng/ul#	91
41) 2,4,6-Trichlorophenol	13.27	196	5848	2.855	ng/ul#	65
42) 2,4,5-Trichlorophenol	13.33	196	5593	2.579	ng/ul	85
43) 1,1'-Biphenyl	13.66	154	18464	2.883	ng/ul	90
44) 2-Chloronaphthalene	13.71	162	15769	3.128	ng/ul	90
45) 2-Nitroaniline	13.90	65	4794	2.768	ng/ul	97
47) Dimethylphthalate	14.26	163	20170	2.876	ng/ul	99
48) 2,6-Dinitrotoluene	14.38	165	4178	2.820	ng/ul#	81
50) Acenaphthylene	14.55	152	21696	2.942	ng/ul	96
51) 3-Nitroaniline	14.71	138	3801	3.573	ng/ul#	86
52) Acenaphthene	14.88	153	16184	3.088	ng/ul	90
53) 2,4-Dinitrophenol	14.93	184	582	0.662	ng/ul#	68
55) 4-Nitrophenol	15.01	109	4701	2.660	ng/ul#	68
56) Dibenzofuran	15.22	168	23096	3.042	ng/ul	90
57) 2,4-Dinitrotoluene	15.17	165	5777	2.720	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.44	232	5169	2.573	ng/ul#	90
59) Diethylphthalate	15.62	149	19416	2.797	ng/ul	93
61) Fluorene	15.86	166	18418	2.822	ng/ul#	95
62) 4-Chlorophenyl-phenylether	15.85	204	11614	2.846	ng/ul	95
63) 4-Nitroaniline	15.87	138	3998	3.997	ng/ul#	85
66) 4,6-Dinitro-2-methylphenol	15.92	198	4247m	2.852	ng/ul	
67) N-Nitrosodiphenylamine	16.06	169	16216	2.719	ng/ul	91
68) 4-Bromophenyl-phenylether	16.74	248	8276	3.007	ng/ul#	88
69) Hexachlorobenzene	16.86	284	9123	3.020	ng/ul#	85
70) Atrazine	16.99	200	8259	2.907	ng/ul#	82
71) Pentachlorophenol	17.22	266	1109	0.781	ng/ul#	62
72) Phenanthrene	17.60	178	32728	2.812	ng/ul	97
74) Anthracene	17.69	178	33055	2.843	ng/ul	99
75) 1,2,3,4-Tetrachlorobenzene	13.63	216	9787	2.817	ng/uL#	82
76) Pentachlorobenzene	15.14	250	9632	2.841	ng/uL	98
77) Carbazole	17.95	167	25987	2.742	ng/ul#	98
78) Di-n-butylphthalate	18.49	149	31940	2.747	ng/ul#	95
80) Fluoranthene	19.60	202	47051	2.844	ng/ul	99
82) Pyrene	19.96	202	46464	2.845	ng/ul#	97
83) Butylbenzylphthalate	20.82	149	15872	2.786	ng/ul#	88
84) 3,3'-Dichlorobenzidine	21.71	252	17347	2.919	ng/ul#	98
85) Benzo(a)anthracene	21.81	228	51261	3.009	ng/ul	98
86) Bis(2-ethylhexyl)phthalate	21.69	149	22132	2.818	ng/ul#	98
87) Chrysene	21.88	228	48823	3.020	ng/ul	94
89) Di-n-octyl phthalate	22.95	149	37544	2.827	ng/ul	100
90) Benzo(b)fluoranthene	24.11	252	51632m	2.927	ng/ul	
91) Benzo(k)fluoranthene	24.17	252	52769	3.028	ng/ul	99
93) Benzo(a)pyrene	25.03	252	46097	2.963	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.01	276	55395m	2.878	ng/ul	
95) Dibenzo(a,h)anthracene	29.07	278	47308m	2.959	ng/ul	
96) Benzo(g,h,i)perylene	30.20	276	48485m	3.058	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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