Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121520\
Data File : BG047746.D
Acq On : 15 Dec 2020 14:15
Operator : CG/JU
Sample : L4485-19
Misc : ME-SOIL-05
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MDL-ME-SOIL-05

Manual Integrations APPROVED
mohammad
12/18/2020 10:23:25 AM

Quant Time: Dec 15 15:10:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG121120.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 11 14:20:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	28556	20.00	ng/ul	0.00
20) Naphthalene-d8	11.03	136	106841	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.82	164	79944	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.56	188	211923m	20.00	ng/ul	0.00
79) Chrysene-d12	21.83	240	247960	20.00	ng/ul	0.00
88) Perylene-d12	25.19	264	248512	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.53	96	2735	4.21	ng/uL	0.00
4) Pyridine-d5	3.96	84	40600	22.03	ng/ul	0.00
7) Phenol-d5	7.34	99	71517	29.85	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.52	67	40381	31.99	ng/ul	0.00
11) 2-Chlorophenol-d4	7.73	132	54157	29.90	ng/ul	0.00
15) 4-Methylphenol-d8	8.90	113	58575	32.15	ng/ul	0.00
21) Nitrobenzene-d5	9.37	128	28792	32.02	ng/ul	0.00
24) 2-Nitrophenol-d4	10.09	143	32155	31.42	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.64	165	64875	30.01	ng/ul	0.00
31) 4-Chloroaniline-d4	11.15	131	74257	29.52	ng/ul	0.00
46) Dimethylphthalate-d6	14.21	166	217857	33.02	ng/ul	0.00
49) Acenaphthylene-d8	14.52	160	254944	33.79	ng/ul	0.00
54) 4-Nitrophenol-d4	14.99	143	30092	29.95	ng/ul	0.00
60) Fluorene-d10	15.81	176	192822	31.30	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.92	200	41267	28.45	ng/ul	0.00
73) Anthracene-d10	17.66	188	322819	31.33	ng/ul	0.00
81) Pyrene-d10	19.93	212	411987	30.69	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.96	264	412499	29.58	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.56	88	320	0.478	ng/uL#	81
5) Pyridine	3.98	79	3888	2.250	ng/ul#	39
6) Benzaldehyde	7.33	77	4777	4.340	ng/ul	85
8) Phenol	7.36	94	5900	2.506	ng/ul	93
10) Bis(2-Chloroethyl)ether	7.60	93	4858	2.967	ng/ul#	86
12) 2-Chlorophenol	7.76	128	4681	2.604	ng/ul	92
13) 2-Methylphenol	8.63	108	4688m	2.618	ng/ul	
14) 2,2'-oxybis(1-Chloropropan	8.71	45	3997	2.623	ng/ul#	79
16) Acetophenone	9.03	105	8128	2.656	ng/ul	99
17) N-Nitroso-di-n-propylamine	9.01	70	4192	2.495	ng/ul#	87
18) 4-Methylphenol	8.96	108	4767	2.426	ng/ul#	67
19) Hexachloroethane	9.30	117	2391	2.717	ng/ul#	75
22) Nitrobenzene	9.41	77	7644	2.856	ng/ul#	85
23) Isophorone	9.94	82	12194	2.623	ng/ul#	85
25) 2-Nitrophenol	10.12	139	2490	2.329	ng/ul#	56
26) 2,4-Dimethylphenol	10.18	107	6657	2.652	ng/ul	93
27) Bis(2-Chloroethoxy)methane	10.41	93	5635	2.539	ng/ul#	84
29) 2,4-Dichlorophenol	10.66	162	4988	2.515	ng/ul#	87
30) Naphthalene	11.08	128	14538	2.463	ng/ul#	93
32) 4-Chloroaniline	11.18	127	5473	2.276	ng/ul#	59
33) Hexachlorobutadiene	11.36	225	5633	2.645	ng/ul#	78
34) Caprolactam	11.95	113	2350	3.498	ng/ul#	50

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	12.28	107	4883	2.234	ng/ul#	56
36) 2-Methylnaphthalene	12.66	142	11392	2.558	ng/ul	91
37) 1-Methylnaphthalene	12.89	142	11694	2.748	ng/ul#	66
39) 1,2,4,5-Tetrachlorobenzene	13.03	216	8454	2.568	ng/ul	98
40) Hexachlorocyclopentadiene	13.01	237	3767	1.745	ng/ul#	74
41) 2,4,6-Trichlorophenol	13.26	196	5096	2.581	ng/ul#	78
42) 2,4,5-Trichlorophenol	13.33	196	4327	2.069	ng/ul#	81
43) 1,1'-Biphenyl	13.66	154	17116	2.772	ng/ul#	98
44) 2-Chloronaphthalene	13.71	162	13174	2.710	ng/ul	95
45) 2-Nitroaniline	13.90	65	3845	2.303	ng/ul#	73
47) Dimethylphthalate	14.26	163	18780	2.778	ng/ul	98
48) 2,6-Dinitrotoluene	14.38	165	4210	2.947	ng/ul#	81
50) Acenaphthylene	14.54	152	19095	2.686	ng/ul#	92
51) 3-Nitroaniline	14.71	138	3142	3.064	ng/ul	83
52) Acenaphthene	14.89	153	13727	2.717	ng/ul	92
53) 2,4-Dinitrophenol	14.94	184	529	0.624	ng/ul#	17
55) 4-Nitrophenol	15.01	109	4516	2.650	ng/ul	87
56) Dibenzofuran	15.22	168	19231	2.628	ng/ul	87
57) 2,4-Dinitrotoluene	15.17	165	4984	2.435	ng/ul#	74
58) 2,3,4,6-Tetrachlorophenol	15.44	232	4694	2.424	ng/ul#	90
59) Diethylphthalate	15.62	149	18250	2.727	ng/ul#	89
61) Fluorene	15.86	166	17679	2.810	ng/ul#	94
62) 4-Chlorophenyl-phenylether	15.85	204	10420	2.648	ng/ul#	88
63) 4-Nitroaniline	15.88	138	4047	4.197	ng/ul#	64
66) 4,6-Dinitro-2-methylphenol	15.93	198	3635	2.469	ng/ul#	53
67) N-Nitrosodiphenylamine	16.06	169	14702	2.493	ng/ul#	85
68) 4-Bromophenyl-phenylether	16.75	248	7091m	2.606	ng/ul	
69) Hexachlorobenzene	16.86	284	7940	2.658	ng/ul#	88
70) Atrazine	16.99	200	6506	2.316	ng/ul#	90
71) Pentachlorophenol	17.22	266	1031m	0.734	ng/ul	
72) Phenanthrene	17.60	178	30947m	2.689	ng/ul	
74) Anthracene	17.69	178	30228	2.629	ng/ul#	94
75) 1,2,3,4-Tetrachlorobenzene	13.63	216	9542	2.778	ng/uL#	83
76) Pentachlorobenzene	15.14	250	7748	2.312	ng/uL#	80
77) Carbazole	17.96	167	23662m	2.525	ng/ul	
78) Di-n-butylphthalate	18.50	149	28831	2.508	ng/ul	100
80) Fluoranthene	19.60	202	43318	2.549	ng/ul#	98
82) Pyrene	19.95	202	43945	2.619	ng/ul	98
83) Butylbenzylphthalate	20.82	149	14560	2.488	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.72	252	16867	2.763	ng/ul#	83
85) Benzo(a)anthracene	21.81	228	45994	2.628	ng/ul	94
86) Bis(2-ethylhexyl)phthalate	21.70	149	20829	2.582	ng/ul#	89
87) Chrysene	21.88	228	43825	2.639	ng/ul	95
89) Di-n-octyl phthalate	22.95	149	33474	2.560	ng/ul	100
90) Benzo(b)fluoranthene	24.11	252	44479	2.561	ng/ul	94
91) Benzo(k)fluoranthene	24.18	252	46794m	2.727	ng/ul	
93) Benzo(a)pyrene	25.03	252	43281m	2.825	ng/ul	
94) Indeno(1,2,3-cd)pyrene	29.01	276	52399m	2.764	ng/ul	
95) Dibenzo(a,h)anthracene	29.08	278	43129	2.740	ng/ul	92
96) Benzo(g,h,i)perylene	30.21	276	41109m	2.633	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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