Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121520\
Data File : BG047744.D
Acq On : 15 Dec 2020 12:54
Operator : CG/JU
Sample : L4485-18
Misc : ME-SOIL-04
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-ME-SOIL-04

Manual Integrations APPROVED
mohammad
12/18/2020 10:23:22 AM

Quant Time: Dec 15 13:32:09 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	28937	20.00	ng/ul	0.00
20) Naphthalene-d8	11.03	136	112661	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.82	164	85165	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.56	188	221947	20.00	ng/ul	0.00
79) Chrysene-d12	21.83	240	254141	20.00	ng/ul	0.00
88) Perylene-d12	25.18	264	256296	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.51	96	2983	4.54	ng/uL	0.00
4) Pyridine-d5	3.96	84	42416	22.72	ng/ul	0.00
7) Phenol-d5	7.34	99	71579	29.48	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.51	67	40985	32.04	ng/ul	0.00
11) 2-Chlorophenol-d4	7.73	132	55467	30.22	ng/ul	0.00
15) 4-Methylphenol-d8	8.90	113	60137	32.57	ng/ul	0.00
21) Nitrobenzene-d5	9.37	128	27805	29.33	ng/ul	0.00
24) 2-Nitrophenol-d4	10.10	143	33877	31.39	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.64	165	65807	28.87	ng/ul	0.00
31) 4-Chloroaniline-d4	11.16	131	77980	29.40	ng/ul	0.00
46) Dimethylphthalate-d6	14.21	166	222014	31.59	ng/ul	0.00
49) Acenaphthylene-d8	14.52	160	268088	33.35	ng/ul	0.00
54) 4-Nitrophenol-d4	15.00	143	29692	27.74	ng/ul	0.00
60) Fluorene-d10	15.81	176	202097	30.80	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.92	200	42058	27.69	ng/ul	0.00
73) Anthracene-d10	17.66	188	334862m	31.03	ng/ul	0.00
81) Pyrene-d10	19.93	212	418586	30.43	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.96	264	419274	29.15	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.54	88	588m	0.866	ng/uL	
5) Pyridine	3.98	79	5684m	3.246	ng/ul	
6) Benzaldehyde	7.33	77	6112m	5.480	ng/ul	
8) Phenol	7.37	94	6089	2.553	ng/ul	92
10) Bis(2-Chloroethyl)ether	7.60	93	5039	3.037	ng/ul#	86
12) 2-Chlorophenol	7.76	128	4697	2.579	ng/ul#	94
13) 2-Methylphenol	8.64	108	5217	2.875	ng/ul#	71
14) 2,2'-oxybis(1-Chloropropan	8.73	45	4097m	2.653	ng/ul	
16) Acetophenone	9.03	105	8518	2.747	ng/ul#	89
17) N-Nitroso-di-n-propylamine	9.00	70	5757	3.381	ng/ul#	92
18) 4-Methylphenol	8.96	108	5117m	2.569	ng/ul	
19) Hexachloroethane	9.30	117	2561	2.872	ng/ul#	72
22) Nitrobenzene	9.41	77	8697	3.081	ng/ul#	94
23) Isophorone	9.93	82	13849	2.825	ng/ul#	90
25) 2-Nitrophenol	10.13	139	3070m	2.723	ng/ul	
26) 2,4-Dimethylphenol	10.18	107	7137	2.696	ng/ul#	87
27) Bis(2-Chloroethoxy)methane	10.41	93	6252	2.672	ng/ul#	62
29) 2,4-Dichlorophenol	10.67	162	5545	2.652	ng/ul#	83
30) Naphthalene	11.08	128	17416	2.798	ng/ul#	91
32) 4-Chloroaniline	11.18	127	7327	2.889	ng/ul	90
33) Hexachlorobutadiene	11.36	225	6259	2.787	ng/ul#	82
34) Caprolactam	11.95	113	1920m	2.711	ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	12.27	107	6544	2.839	ng/ul	90
36) 2-Methylnaphthalene	12.67	142	12471	2.655	ng/ul	97
37) 1-Methylnaphthalene	12.89	142	13144	2.929	ng/ul#	88
39) 1,2,4,5-Tetrachlorobenzene	13.03	216	10888	3.104	ng/ul#	74
40) Hexachlorocyclopentadiene	13.01	237	4904	2.133	ng/ul#	87
41) 2,4,6-Trichlorophenol	13.26	196	6106	2.903	ng/ul#	87
42) 2,4,5-Trichlorophenol	13.34	196	5898	2.648	ng/ul#	86
43) 1,1'-Biphenyl	13.66	154	18268	2.777	ng/ul	95
44) 2-Chloronaphthalene	13.71	162	14637	2.827	ng/ul	98
45) 2-Nitroaniline	13.90	65	4810	2.704	ng/ul#	73
47) Dimethylphthalate	14.26	163	21057	2.924	ng/ul#	93
48) 2,6-Dinitrotoluene	14.39	165	3880	2.550	ng/ul#	80
50) Acenaphthylene	14.55	152	21079	2.783	ng/ul	94
51) 3-Nitroaniline	14.72	138	3058	2.799	ng/ul#	87
52) Acenaphthene	14.89	153	16036	2.979	ng/ul	98
53) 2,4-Dinitrophenol	14.94	184	786	0.871	ng/ul#	54
55) 4-Nitrophenol	15.00	109	4592	2.530	ng/ul#	64
56) Dibenzofuran	15.22	168	22073	2.831	ng/ul	91
57) 2,4-Dinitrotoluene	15.17	165	5776	2.649	ng/ul#	90
58) 2,3,4,6-Tetrachlorophenol	15.45	232	4844	2.348	ng/ul#	74
59) Diethylphthalate	15.61	149	19749	2.770	ng/ul	99
61) Fluorene	15.86	166	20328	3.033	ng/ul	99
62) 4-Chlorophenyl-phenylether	15.85	204	12813	3.057	ng/ul#	89
63) 4-Nitroaniline	15.87	138	3884	3.781	ng/ul#	47
66) 4,6-Dinitro-2-methylphenol	15.93	198	3968	2.573	ng/ul#	83
67) N-Nitrosodiphenylamine	16.06	169	17205	2.786	ng/ul	96
68) 4-Bromophenyl-phenylether	16.74	248	7906	2.774	ng/ul#	75
69) Hexachlorobenzene	16.87	284	9321	2.980	ng/ul#	88
70) Atrazine	16.99	200	7695	2.616	ng/ul#	88
71) Pentachlorophenol	17.21	266	1710m	1.163	ng/ul	
72) Phenanthrene	17.60	178	35036	2.907	ng/ul	95
74) Anthracene	17.69	178	34321	2.851	ng/ul	96
75) 1,2,3,4-Tetrachlorobenzene	13.63	216	11507	3.199	ng/uL	92
76) Pentachlorobenzene	15.14	250	10722	3.055	ng/uL#	87
77) Carbazole	17.96	167	28243	2.878	ng/ul	95
78) Di-n-butylphthalate	18.50	149	34384	2.856	ng/ul	96
80) Fluoranthene	19.60	202	47669	2.737	ng/ul	100
82) Pyrene	19.95	202	49518	2.880	ng/ul#	95
83) Butylbenzylphthalate	20.82	149	14984	2.498	ng/ul	87
84) 3,3'-Dichlorobenzidine	21.72	252	18634	2.978	ng/ul#	94
85) Benzo(a)anthracene	21.81	228	50220	2.800	ng/ul	99
86) Bis(2-ethylhexyl)phthalate	21.70	149	24121	2.917	ng/ul	94
87) Chrysene	21.88	228	48150	2.829	ng/ul	96
89) Di-n-octyl phthalate	22.95	149	38202	2.832	ng/ul	100
90) Benzo(b)fluoranthene	24.11	252	50361	2.811	ng/ul#	89
91) Benzo(k)fluoranthene	24.18	252	51630	2.917	ng/ul#	95
93) Benzo(a)pyrene	25.02	252	46743	2.959	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	29.01	276	57289m	2.930	ng/ul	
95) Dibenzo(a,h)anthracene	29.08	278	48420m	2.982	ng/ul	
96) Benzo(g,h,i)perylene	30.21	276	45210m	2.808	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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