Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031521\
Data File : BG048382.D
Acq On : 15 Mar 2021 13:20
Operator : CG/JU
Sample : M1344-06
Misc : SFAM-MDL-MES-02
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT2-2021-04

Manual Integrations APPROVED
mohammad
3/16/2021 11:16:29 AM

Quant Time: Mar 15 14:58:10 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG031121.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 15 10:45:12 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	44744	20.00	ng/ul	0.00
20) Naphthalene-d8	10.94	136	171532	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.76	164	135965	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.51	188	356614	20.00	ng/ul	0.00
79) Chrysene-d12	21.80	240	406952	20.00	ng/ul	0.00
88) Perylene-d12	25.15	264	393469	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.51	96	5401m	5.23	ng/uL	0.00
4) Pyridine-d5	3.93	84	91601	28.97	ng/ul	0.00
7) Phenol-d5	7.25	99	121949	31.37	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.44	67	81944	34.14	ng/ul	0.00
11) 2-Chlorophenol-d4	7.64	132	89568	33.16	ng/ul	0.00
15) 4-Methylphenol-d8	8.81	113	97959	30.72	ng/ul	0.00
21) Nitrobenzene-d5	9.28	128	42705	35.96	ng/ul	0.00
24) 2-Nitrophenol-d4	10.01	143	47193	36.29	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.55	165	98765	30.91	ng/ul	0.00
31) 4-Chloroaniline-d4	11.06	131	122236	30.38	ng/ul	0.00
46) Dimethylphthalate-d6	14.15	166	358700	32.07	ng/ul	0.00
49) Acenaphthylene-d8	14.45	160	419092	34.12	ng/ul	0.00
54) 4-Nitrophenol-d4	14.92	143	56127	33.70	ng/ul	0.00
60) Fluorene-d10	15.75	176	328839	33.31	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.85	200	53762	29.50	ng/ul	0.00
73) Anthracene-d10	17.61	188	539886	33.14	ng/ul	0.00
81) Pyrene-d10	19.89	212	657707	31.60	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.92	264	717952	33.66	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.54	88	1197m	1.155	ng/uL	
5) Pyridine	3.95	79	10558m	3.343	ng/ul	
6) Benzaldehyde	7.25	77	11343	4.621	ng/ul#	86
8) Phenol	7.28	94	15547	3.783	ng/ul	93
10) Bis(2-Chloroethyl)ether	7.53	93	11060	3.690	ng/ul#	85
12) 2-Chlorophenol	7.67	128	9564	3.336	ng/ul	96
13) 2-Methylphenol	8.55	108	10299	3.350	ng/ul	82
14) 2,2'-oxybis(1-Chloropropan	8.65	45	12174	3.438	ng/ul#	96
16) Acetophenone	8.93	105	19114	3.656	ng/ul	98
17) N-Nitroso-di-n-propylamine	8.92	70	10538	3.400	ng/ul#	94
18) 4-Methylphenol	8.88	108	10197	3.159	ng/ul	82
19) Hexachloroethane	9.21	117	4563	3.415	ng/ul	94
22) Nitrobenzene	9.32	77	15677	4.004	ng/ul	95
23) Isophorone	9.85	82	27697	3.422	ng/ul#	96
25) 2-Nitrophenol	10.04	139	5162	3.486	ng/ul#	78
26) 2,4-Dimethylphenol	10.09	107	14285	3.666	ng/ul	93
27) Bis(2-Chloroethoxy)methane	10.33	93	14568	3.576	ng/ul#	84
29) 2,4-Dichlorophenol	10.57	162	10457	3.503	ng/ul	96
30) Naphthalene	10.99	128	32375	3.571	ng/ul	97
32) 4-Chloroaniline	11.09	127	13827	3.494	ng/ul	94
33) Hexachlorobutadiene	11.27	225	10177	3.584	ng/ul#	82
34) Caprolactam	11.87	113	3881m	3.413	ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	12.19	107	12242	3.497	ng/ul	89
36) 2-Methylnaphthalene	12.59	142	26501	3.790	ng/ul	85
37) 1-Methylnaphthalene	12.81	142	24957	3.604	ng/ul	91
39) 1,2,4,5-Tetrachlorobenzene	12.95	216	18620	3.598	ng/ul#	92
40) Hexachlorocyclopentadiene	12.94	237	12125	3.226	ng/ul#	90
41) 2,4,6-Trichlorophenol	13.19	196	10403	3.266	ng/ul#	84
42) 2,4,5-Trichlorophenol	13.25	196	12120m	3.545	ng/ul	
43) 1,1'-Biphenyl	13.59	154	36042	3.582	ng/ul	96
44) 2-Chloronaphthalene	13.63	162	27071	3.435	ng/ul	98
45) 2-Nitroaniline	13.83	65	8086	3.321	ng/ul	93
47) Dimethylphthalate	14.20	163	39129	3.463	ng/ul#	95
48) 2,6-Dinitrotoluene	14.32	165	6998	3.617	ng/ul#	75
50) Acenaphthylene	14.48	152	40967	3.478	ng/ul	98
51) 3-Nitroaniline	14.65	138	6700	3.602	ng/ul#	98
52) Acenaphthene	14.82	153	30845	3.531	ng/ul	89
53) 2,4-Dinitrophenol	14.85	184	4149	3.223	ng/ul#	85
55) 4-Nitrophenol	14.94	109	7679	3.481	ng/ul	96
56) Dibenzofuran	15.16	168	43602	3.514	ng/ul	96
57) 2,4-Dinitrotoluene	15.10	165	10623	3.817	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.37	232	11393	3.525	ng/ul	97
59) Diethylphthalate	15.56	149	40002	3.543	ng/ul	98
61) Fluorene	15.80	166	37208	3.523	ng/ul	100
62) 4-Chlorophenyl-phenylether	15.80	204	22800	3.559	ng/ul	91
63) 4-Nitroaniline	15.81	138	8309	4.290	ng/ul#	87
66) 4,6-Dinitro-2-methylphenol	15.87	198	6192	3.236	ng/ul#	73
67) N-Nitrosodiphenylamine	16.01	169	34398	3.482	ng/ul	88
68) 4-Bromophenyl-phenylether	16.69	248	16039	3.536	ng/ul	88
69) Hexachlorobenzene	16.81	284	17059	3.579	ng/ul	99
70) Atrazine	16.95	200	14690	3.305	ng/ul	94
71) Pentachlorophenol	17.15	266	9069	2.999	ng/ul	91
72) Phenanthrene	17.55	178	66109	3.651	ng/ul	96
74) Anthracene	17.64	178	66814	3.587	ng/ul	98
75) 1,2,3,4-Tetrachlorobenzene	13.56	216	18642	3.334	ng/uL	93
76) Pentachlorobenzene	15.07	250	19236	3.285	ng/uL	94
77) Carbazole	17.91	167	56001	3.548	ng/ul#	94
78) Di-n-butylphthalate	18.46	149	67086	3.396	ng/ul	99
80) Fluoranthene	19.56	202	88240	3.417	ng/ul	99
82) Pyrene	19.92	202	90819	3.522	ng/ul#	98
83) Butylbenzylphthalate	20.80	149	28147	3.052	ng/ul	90
84) 3,3'-Dichlorobenzidine	21.69	252	32235	3.234	ng/ul#	92
85) Benzo(a)anthracene	21.78	228	93433m	3.475	ng/ul	
86) Bis(2-ethylhexyl)phthalate	21.69	149	40916	3.043	ng/ul	94
87) Chrysene	21.85	228	93435	3.634	ng/ul	98
89) Di-n-octyl phthalate	22.95	149	68617	3.204	ng/ul	100
90) Benzo(b)fluoranthene	24.08	252	98492	3.785	ng/ul#	93
91) Benzo(k)fluoranthene	24.15	252	93392	3.652	ng/ul	100
93) Benzo(a)pyrene	24.99	252	81586	3.569	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	28.96	276	105686m	3.594	ng/ul	
95) Dibenzo(a,h)anthracene	29.05	278	87896	3.676	ng/ul	93
96) Benzo(g,h,i)perylene	30.16	276	85750m	3.597	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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