Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020421\
Data File : BG048117.D
Acq On : 4 Feb 2021 16:06
Operator : CG/JU
Sample : L5214-06
Misc : SFAM-MDL-ME-02
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Manual Integrations APPROVED
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Quant Time: Feb 04 16:48:08 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG012921.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Feb 04 12:55:42 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	47635	20.00	ng/ul	0.00
20) Naphthalene-d8	10.92	136	183380	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.74	164	135109	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.47	188	346161	20.00	ng/ul	0.00
79) Chrysene-d12	21.75	240	397903	20.00	ng/ul	0.00
88) Perylene-d12	25.01	264	390930	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.53	96	5097	4.02	ng/uL	0.00
4) Pyridine-d5	3.94	84	76704	20.73	ng/ul	0.00
7) Phenol-d5	7.26	99	157309	35.42	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.43	67	102373	38.26	ng/ul	0.00
11) 2-Chlorophenol-d4	7.64	132	115083	35.61	ng/ul	0.00
15) 4-Methylphenol-d8	8.81	113	126520	36.09	ng/ul	0.00
21) Nitrobenzene-d5	9.27	128	59550	38.61	ng/ul	0.00
24) 2-Nitrophenol-d4	9.99	143	68759	36.28	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.53	165	126897	35.39	ng/ul	0.00
31) 4-Chloroaniline-d4	11.05	131	158179	34.44	ng/ul	0.00
46) Dimethylphthalate-d6	14.13	166	414409	36.72	ng/ul	0.00
49) Acenaphthylene-d8	14.43	160	486748	37.48	ng/ul	0.00
54) 4-Nitrophenol-d4	14.91	143	71768	35.46	ng/ul	0.00
60) Fluorene-d10	15.72	176	368727	36.46	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.83	200	84380	34.08	ng/ul	0.00
73) Anthracene-d10	17.57	188	591952	35.41	ng/ul	0.00
81) Pyrene-d10	19.85	212	765982	34.53	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.79	264	764671	35.78	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.56	88	3148	2.206	ng/uL#	73
5) Pyridine	3.96	79	17471	4.610	ng/ul	88
6) Benzaldehyde	7.24	77	10981	5.096	ng/ul	92
8) Phenol	7.29	94	19775	4.392	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.52	93	15667	4.540	ng/ul	99
12) 2-Chlorophenol	7.67	128	13320	4.188	ng/ul#	87
13) 2-Methylphenol	8.54	108	13703	4.218	ng/ul	93
14) 2,2'-oxybis(1-Chloropropan	8.64	45	19905	4.450	ng/ul#	88
16) Acetophenone	8.93	105	25128	4.514	ng/ul	97
17) N-Nitroso-di-n-propylamine	8.91	70	13456	4.222	ng/ul	96
18) 4-Methylphenol	8.87	108	14729	4.142	ng/ul	97
19) Hexachloroethane	9.21	117	6506	4.423	ng/ul	93
22) Nitrobenzene	9.31	77	20438	4.423	ng/ul#	88
23) Isophorone	9.84	82	34982	4.156	ng/ul#	95
25) 2-Nitrophenol	10.03	139	8203	4.306	ng/ul	90
26) 2,4-Dimethylphenol	10.08	107	17280	4.338	ng/ul	96
27) Bis(2-Chloroethoxy)methane	10.32	93	19695	4.144	ng/ul#	88
29) 2,4-Dichlorophenol	10.56	162	15109	4.417	ng/ul	92
30) Naphthalene	10.97	128	45102	4.363	ng/ul#	96
32) 4-Chloroaniline	11.08	127	19367	4.407	ng/ul	98
33) Hexachlorobutadiene	11.26	225	13528	4.629	ng/ul	93
34) Caprolactam	11.85	113	4499	3.780	ng/ul#	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 4-Chloro-3-methylphenol	12.18	107	15477	4.080	ng/ul#	91
36) 2-Methylnaphthalene	12.57	142	33650	4.395	ng/ul	97
37) 1-Methylnaphthalene	12.79	142	31927	4.399	ng/ul#	95
39) 1,2,4,5-Tetrachlorobenzene	12.93	216	23259	4.393	ng/ul#	93
40) Hexachlorocyclopentadiene	12.91	237	16599	4.791	ng/ul#	82
41) 2,4,6-Trichlorophenol	13.17	196	13698	3.977	ng/ul	96
42) 2,4,5-Trichlorophenol	13.24	196	15117	4.118	ng/ul	98
43) 1,1'-Biphenyl	13.57	154	45000	4.358	ng/ul	98
44) 2-Chloronaphthalene	13.61	162	37370	4.323	ng/ul	96
45) 2-Nitroaniline	13.81	65	11664	4.041	ng/ul	94
47) Dimethylphthalate	14.18	163	48249	4.160	ng/ul#	92
48) 2,6-Dinitrotoluene	14.30	165	9653	3.934	ng/ul	96
50) Acenaphthylene	14.45	152	52778	4.211	ng/ul	96
51) 3-Nitroaniline	14.62	138	8532	4.611	ng/ul	99
52) Acenaphthene	14.79	153	39227	4.316	ng/ul	90
53) 2,4-Dinitrophenol	14.83	184	6611	4.035	ng/ul	87
55) 4-Nitrophenol	14.92	109	9078	4.282	ng/ul	94
56) Dibenzofuran	15.13	168	57170	4.364	ng/ul	99
57) 2,4-Dinitrotoluene	15.08	165	13994	4.037	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.35	232	14840	4.175	ng/ul#	91
59) Diethylphthalate	15.53	149	52764	4.483	ng/ul	96
61) Fluorene	15.78	166	45510	4.279	ng/ul	99
62) 4-Chlorophenyl-phenylether	15.76	204	26528	4.099	ng/ul	92
63) 4-Nitroaniline	15.78	138	7258	4.022	ng/ul#	78
66) 4,6-Dinitro-2-methylphenol	15.84	198	10011	3.872	ng/ul#	61
67) N-Nitrosodiphenylamine	15.98	169	41700	4.169	ng/ul	97
68) 4-Bromophenyl-phenylether	16.66	248	19205	4.181	ng/ul	96
69) Hexachlorobenzene	16.78	284	20789	4.317	ng/ul#	91
70) Atrazine	16.92	200	18238	4.069	ng/ul	97
71) Pentachlorophenol	17.12	266	11489	3.925	ng/ul	94
72) Phenanthrene	17.51	178	86960	4.477	ng/ul	99
74) Anthracene	17.61	178	81925	4.150	ng/ul	100
75) 1,2,3,4-Tetrachlorobenzene	13.54	216	22967	4.102	ng/uL	91
76) Pentachlorobenzene	15.05	250	22691	3.996	ng/uL	95
77) Carbazole	17.87	167	72187	4.459	ng/ul	98
78) Di-n-butylphthalate	18.43	149	90916	4.416	ng/ul	98
80) Fluoranthene	19.52	202	115130	4.075	ng/ul	98
82) Pyrene	19.88	202	113844	4.116	ng/ul	98
83) Butylbenzylphthalate	20.76	149	40558	4.020	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.64	252	37510	4.014	ng/ul#	94
85) Benzo(a)anthracene	21.73	228	120443	4.340	ng/ul	100
86) Bis(2-ethylhexyl)phthalate	21.63	149	61569	4.276	ng/ul#	97
87) Chrysene	21.79	228	116110	4.338	ng/ul	98
89) Di-n-octyl phthalate	22.86	149	102196	4.639	ng/ul	100
90) Benzo(b)fluoranthene	23.97	252	118143	4.497	ng/ul	99
91) Benzo(k)fluoranthene	24.04	252	114075	4.446	ng/ul	98
93) Benzo(a)pyrene	24.86	252	105763	4.414	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.72	276	132656	4.466	ng/ul	98
95) Dibenzo(a,h)anthracene	28.80	278	109580	4.451	ng/ul	98
96) Benzo(g,h,i)perylene	29.88	276	110408m	4.455	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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