Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022723\
Data File : BG056728.D
Acq On : 27 Feb 2023 12:52
Operator : CG/JU
Sample : 01378-04
Misc : SFAM-MDL-SOIL-02
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 27 13:28:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG022323.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Feb 23 15:40:42 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT1-2023-02

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.421	152	17623	20.000	ng/ul	0.00
20) Naphthalene-d8	11.259	136	77112	20.000	ng/ul	0.00
38) Acenaphthene-d10	15.025	164	61036	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.757	188	155115	20.000	ng/ul	0.00
79) Chrysene-d12	22.070	240	149074	20.000	ng/ul	0.00
88) Perylene-d12	25.595	264	151908	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.697	96	1515	4.769	ng/uL	0.00
4) Pyridine-d5	4.138	84	17033	13.283	ng/ul	0.00
7) Phenol-d5	7.540	99	31191	17.687	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.722	67	19827	18.431	ng/ul	0.00
11) 2-Chlorophenol-d4	7.939	132	20888	17.836	ng/ul	0.00
15) 4-Methylphenol-d8	9.109	113	22304	16.552	ng/ul	0.00
21) Nitrobenzene-d5	9.590	128	12014	18.591	ng/ul	0.00
24) 2-Nitrophenol-d4	10.325	143	12248	15.922	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.860	165	23728	16.374	ng/ul	0.00
31) 4-Chloroaniline-d4	11.377	131	33345	17.642	ng/ul	0.00
46) Dimethylphthalate-d6	14.408	166	88099	17.890	ng/ul	0.00
49) Acenaphthylene-d8	14.720	160	98262	17.556	ng/ul	0.00
54) 4-Nitrophenol-d4	15.172	143	13891	16.361	ng/ul	0.00
60) Fluorene-d10	16.006	176	80745	17.725	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.106	200	14746	14.209	ng/ul	0.00
73) Anthracene-d10	17.857	188	127917m	16.998	ng/ul	0.00
81) Pyrene-d10	20.113	212	161311	15.991	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.348	264	144321	17.601	ng/ul	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.744	88	523	1.335	ng/uL	88
5) Pyridine	4.162	79	5395	3.973	ng/ul	89
6) Benzaldehyde	7.540	77	4114	4.453	ng/ul	83
8) Phenol	7.563	94	7208	4.007	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.822	93	5098	3.989	ng/ul	92
12) 2-Chlorophenol	7.969	128	5001	4.312	ng/ul#	93
13) 2-Methylphenol	8.844	108	5258	3.875	ng/ul	92
14) 2,2'-oxybis(1-Chloropr...	8.938	45	7110	4.140	ng/ul	98
16) Acetophenone	9.244	105	9127	3.955	ng/ul	99
17) N-Nitroso-di-n-propyla...	9.214	70	5548	4.190	ng/ul	93
18) 4-Methylphenol	9.167	108	5523	3.746	ng/ul	86
19) Hexachloroethane	9.526	117	2143	4.345	ng/ul#	81
22) Nitrobenzene	9.632	77	7955	4.245	ng/ul	92
23) Isophorone	10.155	82	14925	4.074	ng/ul	99
25) 2-Nitrophenol	10.354	139	3012	3.967	ng/ul	96
26) 2,4-Dimethylphenol	10.390	107	5854	3.452	ng/ul	92
27) Bis(2-Chloroethoxy)met...	10.630	93	7922	4.278	ng/ul	95
29) 2,4-Dichlorophenol	10.889	162	5481	3.906	ng/ul	91
30) Naphthalene	11.306	128	18068	4.257	ng/ul	99
32) 4-Chloroaniline	11.400	127	8041	4.295	ng/ul	95
33) Hexachlorobutadiene	11.588	225	4661	4.167	ng/ul	92
34) Caprolactam	12.123	113	2414m	5.060	ng/ul	
35) 4-Chloro-3-methylphenol	12.481	107	5986	3.713	ng/ul	94
36) 2-Methylnaphthalene	12.881	142	12939	4.257	ng/ul	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.098	142	12564	4.192	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.239	216	9504	4.392	ng/ul	99
40) Hexachlorocyclopentadiene	13.222	237	4826	3.112	ng/ul#	73
41) 2,4,6-Trichlorophenol	13.462	196	5377	3.719	ng/ul#	91
42) 2,4,5-Trichlorophenol	13.533	196	5810	3.701	ng/ul	87
43) 1,1'-Biphenyl	13.862	154	18891	4.209	ng/ul#	95
44) 2-Chloronaphthalene	13.909	162	15814	4.259	ng/ul	91
45) 2-Nitroaniline	14.097	65	4297	3.334	ng/ul	99
47) Dimethylphthalate	14.455	163	21184	4.230	ng/ul	98
48) 2,6-Dinitrotoluene	14.579	165	3810	3.711	ng/ul	91
50) Acenaphthylene	14.749	152	23683	4.189	ng/ul	98
51) 3-Nitroaniline	14.914	138	4214	4.586	ng/ul	85
52) Acenaphthene	15.084	153	16344	4.208	ng/ul	98
53) 2,4-Dinitrophenol	15.113	184	2901	4.411	ng/ul#	81
55) 4-Nitrophenol	15.190	109	3446	3.506	ng/ul	94
56) Dibenzofuran	15.419	168	24834	4.212	ng/ul	99
57) 2,4-Dinitrotoluene	15.360	165	5434	3.692	ng/ul#	97
58) 2,3,4,6-Tetrachlorophenol	15.630	232	5500	3.764	ng/ul#	97
59) Diethylphthalate	15.801	149	19772	3.944	ng/ul	94
61) Fluorene	16.059	166	19635	4.159	ng/ul	95
62) 4-Chlorophenyl-phenyle...	16.042	204	11548	4.129	ng/ul	96
63) 4-Nitroaniline	16.065	138	3518	3.919	ng/ul#	72
66) 4,6-Dinitro-2-methylph...	16.118	198	3786	3.789	ng/ul#	97
67) N-Nitrosodiphenylamine	16.253	169	17610	4.083	ng/ul	93
68) 4-Bromophenyl-phenylether	16.935	248	8059	4.100	ng/ul	91
69) Hexachlorobenzene	17.058	284	8728	4.133	ng/ul	96
70) Atrazine	17.182	200	8174	4.363	ng/ul#	96
71) Pentachlorophenol	17.399	266	4299	3.585	ng/ul	89
72) Phenanthrene	17.799	178	35423	4.216	ng/ul	96
74) Anthracene	17.887	178	34809	4.099	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.833	216	8387	3.534	ng/uL	95
76) Pentachlorobenzene	15.331	250	8429	3.502	ng/uL	97
77) Carbazole	18.151	167	30489	4.291	ng/ul	98
78) Di-n-butylphthalate	18.680	149	33052	4.037	ng/ul	98
80) Fluoranthene	19.784	202	44820	3.675	ng/ul	97
82) Pyrene	20.143	202	46443	3.865	ng/ul	99
83) Butylbenzylphthalate	21.001	149	13701	3.594	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.941	252	15811	4.230	ng/ul	93
85) Benzo(a)anthracene	22.041	228	44554	4.106	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.911	149	20423	3.814	ng/ul#	98
87) Chrysene	22.117	228	41055	4.063	ng/ul	94
89) Di-n-octyl phthalate	23.227	149	34242	4.146	ng/ul	100
90) Benzo(b)fluoranthene	24.461	252	43846	4.312	ng/ul	98
91) Benzo(k)fluoranthene	24.532	252	43078	4.349	ng/ul	98
93) Benzo(a)pyrene	25.425	252	36338	4.065	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	29.649	276	49970m	4.115	ng/ul	
95) Dibenzo(a,h)anthracene	29.720	278	41653m	4.102	ng/ul	
96) Benzo(g,h,i)perylene	30.924	276	40944	4.221	ng/ul#	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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