Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081822\
Data File : BG054652.D
Acq On : 18 Aug 2022 14:14
Operator : CG/JU
Sample : N3670-03
Misc : SOIL-MDL-4ppm
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 18 15:06:19 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG081722.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 18 03:22:26 2022
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT2-2022-03

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/19/2022
Supervised By :Sohil Jodhani 08/22/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	52771	20.000	ng/ul	0.00
20) Naphthalene-d8	10.991	136	213010	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.798	164	138338	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.542	188	308223	20.000	ng/ul	0.00
79) Chrysene-d12	21.837	240	318316	20.000	ng/ul	0.00
88) Perylene-d12	25.221	264	320954	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.511	96	5639	4.227	ng/uL	0.00
4) Pyridine-d5	3.934	84	73276	18.432	ng/ul	0.00
7) Phenol-d5	7.295	99	89221	19.886	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.477	67	59636	20.773	ng/ul	0.00
11) 2-Chlorophenol-d4	7.689	132	65920	20.774	ng/ul	0.00
15) 4-Methylphenol-d8	8.858	113	68642	20.253	ng/ul	0.00
21) Nitrobenzene-d5	9.334	128	30046	22.472	ng/ul	0.00
24) 2-Nitrophenol-d4	10.062	143	25024	20.904	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.591	165	62958	20.062	ng/ul	0.00
31) 4-Chloroaniline-d4	11.114	131	92695	20.575	ng/ul	0.00
46) Dimethylphthalate-d6	14.193	166	208871	21.974	ng/ul	0.00
49) Acenaphthylene-d8	14.492	160	269035	23.639	ng/ul	0.00
54) 4-Nitrophenol-d4	14.962	143	28635	19.062	ng/ul	0.00
60) Fluorene-d10	15.785	176	183316	21.268	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.885	200	17043	16.237	ng/ul	0.00
73) Anthracene-d10	17.642	188	290294	21.654	ng/ul	0.00
81) Pyrene-d10	19.921	212	343224	20.787	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.986	264	338080	21.450	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.552	88	1786	1.188	ng/uL	93
5) Pyridine	3.958	79	15561	3.919	ng/ul#	81
6) Benzaldehyde	7.295	77	11254	5.129	ng/ul	94
8) Phenol	7.324	94	16366	3.662	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.571	93	14217	3.911	ng/ul	96
12) 2-Chlorophenol	7.718	128	12686	3.722	ng/ul	98
13) 2-Methylphenol	8.593	108	12229	3.580	ng/ul	92
14) 2,2'-oxybis(1-Chloropr...	8.687	45	22198	3.728	ng/ul	95
16) Acetophenone	8.987	105	20802	3.934	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.963	70	10612	3.693	ng/ul	96
18) 4-Methylphenol	8.916	108	13119	3.680	ng/ul	96
19) Hexachloroethane	9.257	117	5452	3.927	ng/ul	86
22) Nitrobenzene	9.375	77	14194	4.037	ng/ul	98
23) Isophorone	9.898	82	28155	3.696	ng/ul	96
25) 2-Nitrophenol	10.092	139	5231	3.704	ng/ul	100
26) 2,4-Dimethylphenol	10.133	107	13928	3.685	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.379	93	18297	3.901	ng/ul	96
29) 2,4-Dichlorophenol	10.626	162	11568	3.821	ng/ul	93
30) Naphthalene	11.038	128	43685	3.978	ng/ul	99
32) 4-Chloroaniline	11.143	127	17670	3.835	ng/ul	98
33) Hexachlorobutadiene	11.320	225	8920	3.927	ng/ul	95
34) Caprolactam	11.907	113	3633	3.516	ng/ul	88
35) 4-Chloro-3-methylphenol	12.242	107	11628	3.522	ng/ul	95
36) 2-Methylnaphthalene	12.636	142	29289	3.909	ng/ul	99

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	12.853	142	30297	4.070	ng/ul	99
39)	1,2,4,5-Tetrachloroben...	12.994	216	16581	3.938	ng/ul	99
40)	Hexachlorocyclopentadiene	12.971	237	9133	3.418	ng/ul	92
41)	2,4,6-Trichlorophenol	13.229	196	8162	3.302	ng/ul	97
42)	2,4,5-Trichlorophenol	13.300	196	9232	3.431	ng/ul	93
43)	1,1'-Biphenyl	13.629	154	40088	4.014	ng/ul	99
44)	2-Chloronaphthalene	13.676	162	29921	3.954	ng/ul	95
45)	2-Nitroaniline	13.870	65	6138	3.457	ng/ul	95
47)	Dimethylphthalate	14.240	163	38081	3.968	ng/ul	100
48)	2,6-Dinitrotoluene	14.363	165	5005	3.332	ng/ul#	90
50)	Acenaphthylene	14.522	152	50216	3.986	ng/ul	99
51)	3-Nitroaniline	14.692	138	5724	3.582	ng/ul	95
52)	Acenaphthene	14.857	153	33207	3.967	ng/ul	98
53)	2,4-Dinitrophenol	14.886	184	2595	3.461	ng/ul#	74
55)	4-Nitrophenol	14.974	109	4803	3.886	ng/ul	88
56)	Dibenzofuran	15.191	168	46529	4.035	ng/ul	100
57)	2,4-Dinitrotoluene	15.139	165	7109	3.490	ng/ul#	99
58)	2,3,4,6-Tetrachlorophenol	15.409	232	7146	3.299	ng/ul#	96
59)	Diethylphthalate	15.597	149	36594	3.842	ng/ul	99
61)	Fluorene	15.838	166	38094	4.052	ng/ul	96
62)	4-Chlorophenyl-phenyle...	15.832	204	18993	3.944	ng/ul	95
63)	4-Nitroaniline	15.844	138	6217	4.171	ng/ul	92
66)	4,6-Dinitro-2-methylph...	15.902	198	3984	3.558	ng/ul#	87
67)	N-Nitrosodiphenylamine	16.038	169	31836	3.824	ng/ul	92
68)	4-Bromophenyl-phenylether	16.725	248	12559	3.952	ng/ul	95
69)	Hexachlorobenzene	16.837	284	14398	3.971	ng/ul	97
70)	Atrazine	16.983	200	11637	3.677	ng/ul	99
71)	Pentachlorophenol	17.177	266	7513	3.750	ng/ul	95
72)	Phenanthrene	17.583	178	63173	4.120	ng/ul	99
74)	Anthracene	17.677	178	62679	4.059	ng/ul	99
75)	1,2,3,4-Tetrachloroben...	13.599	216	17635	3.980	ng/uL	97
76)	Pentachlorobenzene	15.109	250	18571	4.400	ng/uL	100
77)	Carbazole	17.935	167	54880	4.014	ng/ul	99
78)	Di-n-butylphthalate	18.494	149	60359	3.774	ng/ul	99
80)	Fluoranthene	19.586	202	77672	3.761	ng/ul	99
82)	Pyrene	19.951	202	79446	3.870	ng/ul	100
83)	Butylbenzylphthalate	20.832	149	23156	3.294	ng/ul	94
84)	3,3'-Dichlorobenzidine	21.725	252	24105	3.496	ng/ul	89
85)	Benzo(a)anthracene	21.819	228	77014	3.893	ng/ul	100
86)	Bis(2-ethylhexyl)phtha...	21.719	149	34331	3.253	ng/ul	98
87)	Chrysene	21.890	228	74068	3.891	ng/ul	99
89)	Di-n-octyl phthalate	23.000	149	56435	3.171	ng/ul	100
90)	Benzo(b)fluoranthene	24.140	252	78473	3.871	ng/ul	98
91)	Benzo(k)fluoranthene	24.204	252	72525	3.860	ng/ul	98
93)	Benzo(a)pyrene	25.062	252	76602	3.933	ng/ul	98
94)	Indeno(1,2,3-cd)pyrene	29.099	276	86919m	3.799	ng/ul	
95)	Dibenzo(a,h)anthracene	29.175	278	74050	3.829	ng/ul	99
96)	Benzo(g,h,i)perylene	30.303	276	72407	3.794	ng/ul	99

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

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