Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050823\
Data File : BG057334.D
Acq On : 8 May 2023 17:24
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 09 00:40:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 08 11:47:25 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020479

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/09/2023
Supervised By :Jagrut Upadhyay 05/09/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.379	152	18383	20.000	ng/ul		0.00
20) Naphthalene-d8	11.210	136	82743	20.000	ng/ul	#	0.00
38) Acenaphthene-d10	14.987	164	65071	20.000	ng/ul		0.00
64) Phenanthrene-d10	17.725	188	162074	20.000	ng/ul		0.00
79) Chrysene-d12	22.043	240	146333	20.000	ng/ul		0.00
88) Perylene-d12	25.561	264	151907	20.000	ng/ul		0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.650	96	3357	8.036	ng/uL		0.00
4) Pyridine-d5	4.090	84	24413	18.537	ng/ul		0.00
7) Phenol-d5	7.515	99	38514	22.154	ng/ul		0.00
9) Bis-(2-Chloroethyl)eth...	7.680	67	20703	20.247	ng/ul		0.00
11) 2-Chlorophenol-d4	7.903	132	26028	22.719	ng/ul		0.00
15) 4-Methylphenol-d8	9.072	113	29939	22.658	ng/ul		0.00
21) Nitrobenzene-d5	9.554	128	13992	21.234	ng/ul		0.00
24) 2-Nitrophenol-d4	10.282	143	16858	21.922	ng/ul		0.00
28) 2,4-Dichlorophenol-d3	10.828	165	34415	23.196	ng/ul		0.00
31) 4-Chloroaniline-d4	11.339	131	42950	21.842	ng/ul		0.00
46) Dimethylphthalate-d6	14.371	166	108007	20.948	ng/ul		0.00
49) Acenaphthylene-d8	14.688	160	125016	21.573	ng/ul		0.00
54) 4-Nitrophenol-d4	15.175	143	15164	20.205	ng/ul		0.00
60) Fluorene-d10	15.969	176	105212	21.904	ng/ul		0.00
65) 4,6-Dinitro-2-methylph...	16.092	200	19529	20.337	ng/ul		0.00
73) Anthracene-d10	17.825	188	163951	22.162	ng/ul		0.00
81) Pyrene-d10	20.092	212	192084	22.115	ng/ul		0.00
92) Benzo(a)pyrene-d12	25.315	264	170062	21.974	ng/ul		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.691	88	3934	8.880	ng/uL	#	79
5) Pyridine	4.114	79	27719	19.966	ng/ul		91
6) Benzaldehyde	7.498	77	12753	24.018	ng/ul		92
8) Phenol	7.545	94	38473	21.957	ng/ul		99
10) Bis(2-Chloroethyl)ether	7.774	93	27217	20.754	ng/ul		97
12) 2-Chlorophenol	7.932	128	28080	23.335	ng/ul		98
13) 2-Methylphenol	8.813	108	29881	22.004	ng/ul		88
14) 2,2'-oxybis(1-Chloropr...	8.890	45	31842	18.832	ng/ul	#	90
16) Acetophenone	9.201	105	49704	21.861	ng/ul		93
17) N-Nitroso-di-n-propyla...	9.172	70	26278	20.112	ng/ul	#	97
18) 4-Methylphenol	9.142	108	32701	22.247	ng/ul		99
19) Hexachloroethane	9.471	117	11605	23.050	ng/ul		97
22) Nitrobenzene	9.595	77	39671	20.218	ng/ul		93
23) Isophorone	10.112	82	73415	19.665	ng/ul		98
25) 2-Nitrophenol	10.317	139	17684	22.704	ng/ul		97
26) 2,4-Dimethylphenol	10.358	107	37629	21.296	ng/ul		98
27) Bis(2-Chloroethoxy)met...	10.588	93	38286	19.729	ng/ul		97
29) 2,4-Dichlorophenol	10.858	162	33039	23.461	ng/ul		99
30) Naphthalene	11.263	128	99838	21.976	ng/ul		99
32) 4-Chloroaniline	11.363	127	44341	21.642	ng/ul		95
33) Hexachlorobutadiene	11.533	225	27222	22.791	ng/ul		93
34) Caprolactam	12.109	113	10879	22.948	ng/ul		97
35) 4-Chloro-3-methylphenol	12.461	107	36994	22.831	ng/ul		98
36) 2-Methylnaphthalene	12.837	142	72963	21.900	ng/ul		99

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	13.055	142	73707	22.002	ng/ul	97
39)	1,2,4,5-Tetrachloroben...	13.202	216	53532	22.638	ng/ul	98
40)	Hexachlorocyclopentadiene	13.172	237	31532	26.721	ng/ul	97
41)	2,4,6-Trichlorophenol	13.437	196	31818	23.103	ng/ul	97
42)	2,4,5-Trichlorophenol	13.513	196	33006	22.322	ng/ul	94
43)	1,1'-Biphenyl	13.824	154	107204	21.591	ng/ul	98
44)	2-Chloronaphthalene	13.877	162	86298	22.416	ng/ul	97
45)	2-Nitroaniline	14.071	65	25724	22.134	ng/ul	94
47)	Dimethylphthalate	14.418	163	108601	20.975	ng/ul	99
48)	2,6-Dinitrotoluene	14.553	165	24303	22.808	ng/ul	98
50)	Acenaphthylene	14.717	152	129157	21.932	ng/ul	99
51)	3-Nitroaniline	14.888	138	18235	24.152	ng/ul	89
52)	Acenaphthene	15.052	153	90866	21.656	ng/ul	98
53)	2,4-Dinitrophenol	15.105	184	9642	16.992	ng/ul	90
55)	4-Nitrophenol	15.193	109	16163	18.998	ng/ul	95
56)	Dibenzofuran	15.381	168	132411	21.854	ng/ul	98
57)	2,4-Dinitrotoluene	15.340	165	34401	22.552	ng/ul	97
58)	2,3,4,6-Tetrachlorophenol	15.610	232	30734	22.875	ng/ul#	97
59)	Diethylphthalate	15.763	149	112040	21.299	ng/ul	98
61)	Fluorene	16.027	166	112283	21.915	ng/ul	98
62)	4-Chlorophenyl-phenyle...	16.004	204	64229	21.479	ng/ul	99
63)	4-Nitroaniline	16.039	138	13980m	19.553	ng/ul	
66)	4,6-Dinitro-2-methylph...	16.110	198	19992	20.431	ng/ul	94
67)	N-Nitrosodiphenylamine	16.221	169	93566	22.100	ng/ul	97
68)	4-Bromophenyl-phenylether	16.903	248	42715	22.050	ng/ul	98
69)	Hexachlorobenzene	17.038	284	47072	23.076	ng/ul	97
70)	Atrazine	17.149	200	42129	22.390	ng/ul	96
71)	Pentachlorophenol	17.384	266	17417m	18.472	ng/ul	
72)	Phenanthrene	17.772	178	185051	21.925	ng/ul	98
74)	Anthracene	17.860	178	187918	22.165	ng/ul	100
75)	1,2,3,4-Tetrachloroben...	13.801	216	55617	22.815	ng/uL	98
76)	Pentachlorobenzene	15.305	250	56979	22.963	ng/uL	97
77)	Carbazole	18.124	167	158447	22.364	ng/ul	97
78)	Di-n-butylphthalate	18.641	149	185497	22.896	ng/ul	99
80)	Fluoranthene	19.763	202	230667	22.356	ng/ul	97
82)	Pyrene	20.122	202	231950	22.207	ng/ul	98
83)	Butylbenzylphthalate	20.974	149	79908	23.889	ng/ul	97
84)	3,3'-Dichlorobenzidine	21.913	252	78981	24.303	ng/ul	96
85)	Benzo(a)anthracene	22.019	228	229205	22.147	ng/ul	100
86)	Bis(2-ethylhexyl)phtha...	21.861	149	113758	23.383	ng/ul	97
87)	Chrysene	22.090	228	214198	21.937	ng/ul	98
89)	Di-n-octyl phthalate	23.165	149	189577	22.599	ng/ul	100
90)	Benzo(b)fluoranthene	24.428	252	227875	21.662	ng/ul	98
91)	Benzo(k)fluoranthene	24.504	252	227496	22.229	ng/ul	99
93)	Benzo(a)pyrene	25.391	252	199269	21.942	ng/ul	98
94)	Indeno(1,2,3-cd)pyrene	29.626	276	253636	22.342	ng/ul	98
95)	Dibenzo(a,h)anthracene	29.673	278	211412	22.459	ng/ul	98
96)	Benzo(g,h,i)perylene	30.901	276	200480	21.821	ng/ul	97

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

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