Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091323\
Data File : BG059049.D
Acq On : 13 Sep 2023 20:47
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 14 02:48:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020560

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.302	152	82292	20.000	ng/ul	0.00
20) Naphthalene-d8	11.146	136	413680	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.930	164	338299	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.685	188	860662	20.000	ng/ul	# 0.00
79) Chrysene-d12	22.010	240	730792	20.000	ng/ul	0.00
88) Perylene-d12	25.558	264	858465	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.608	96	17340	8.956	ng/uL	-0.02
4) Pyridine-d5	4.042	84	116275	18.969	ng/ul	-0.02
7) Phenol-d5	7.415	99	176825	21.308	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.621	67	100363	20.625	ng/ul	0.00
11) 2-Chlorophenol-d4	7.814	132	119631	22.478	ng/ul	0.00
15) 4-Methylphenol-d8	8.990	113	152258	23.749	ng/ul	0.00
21) Nitrobenzene-d5	9.495	128	63425	21.137	ng/ul	-0.02
24) 2-Nitrophenol-d4	10.218	143	78781	23.927	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.746	165	159241	22.756	ng/ul	0.00
31) 4-Chloroaniline-d4	11.287	131	215400	22.890	ng/ul	0.00
46) Dimethylphthalate-d6	14.325	166	586743	22.359	ng/ul	0.00
49) Acenaphthylene-d8	14.636	160	625608	21.409	ng/ul	0.00
54) 4-Nitrophenol-d4	15.106	143	99813	22.899	ng/ul	0.00
60) Fluorene-d10	15.917	176	512658	22.014	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.028	200	110126	26.067	ng/ul	0.00
73) Anthracene-d10	17.779	188	832793m	21.797	ng/ul	0.00
81) Pyrene-d10	20.053	212	906200	23.409	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.312	264	915014	21.743	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.649	88	18970	7.604	ng/uL	87
5) Pyridine	4.066	79	125306	19.145	ng/ul	95
6) Benzaldehyde	7.444	77	111857	22.042	ng/ul	93
8) Phenol	7.444	94	181565	20.575	ng/ul	91
10) Bis(2-Chloroethyl)ether	7.715	93	141882	21.998	ng/ul	92
12) 2-Chlorophenol	7.850	128	115275	20.954	ng/ul	98
13) 2-Methylphenol	8.719	108	149237	22.460	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.807	45	166034m	21.438	ng/ul	
16) Acetophenone	9.142	105	248657	23.394	ng/ul	96
17) N-Nitroso-di-n-propyla...	9.107	70	132868	22.300	ng/ul#	85
18) 4-Methylphenol	9.048	108	163041	22.468	ng/ul	93
19) Hexachloroethane	9.389	117	53485	23.197	ng/ul	89
22) Nitrobenzene	9.542	77	188289	20.960	ng/ul	96
23) Isophorone	10.053	82	412582	21.622	ng/ul	99
25) 2-Nitrophenol	10.259	139	78699	23.441	ng/ul	98
26) 2,4-Dimethylphenol	10.270	107	192691	23.159	ng/ul	92
27) Bis(2-Chloroethoxy)met...	10.535	93	210814	20.613	ng/ul#	94
29) 2,4-Dichlorophenol	10.770	162	153812	23.203	ng/ul	95
30) Naphthalene	11.199	128	467375	21.433	ng/ul	98
32) 4-Chloroaniline	11.316	127	211833	23.447	ng/ul	99
33) Hexachlorobutadiene	11.422	225	118542	22.855	ng/ul	92
34) Caprolactam	12.080	113	62247m	26.459	ng/ul	
35) 4-Chloro-3-methylphenol	12.380	107	192751	23.666	ng/ul	93
36) 2-Methylnaphthalene	12.779	142	353601	21.731	ng/ul	96

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020560

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.997	142	362761	22.603	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	13.120	216	221497	20.058	ng/ul#	95
40) Hexachlorocyclopentadiene	13.073	237	153981	18.950	ng/ul	97
41) 2,4,6-Trichlorophenol	13.361	196	148705	21.212	ng/ul	96
42) 2,4,5-Trichlorophenol	13.431	196	162526	21.414	ng/ul	96
43) 1,1'-Biphenyl	13.766	154	521693	20.630	ng/ul	97
44) 2-Chloronaphthalene	13.825	162	391792	20.285	ng/ul	93
45) 2-Nitroaniline	14.037	65	135972	22.955	ng/ul	90
47) Dimethylphthalate	14.372	163	541403	21.820	ng/ul#	96
48) 2,6-Dinitrotoluene	14.518	165	111223	23.565	ng/ul	95
50) Acenaphthylene	14.665	152	672935	21.123	ng/ul	95
51) 3-Nitroaniline	14.853	138	104161	22.997	ng/ul	98
52) Acenaphthene	14.994	153	452386	21.160	ng/ul	99
53) 2,4-Dinitrophenol	15.047	184	66522	21.867	ng/ul	96
55) 4-Nitrophenol	15.118	109	111230	21.628	ng/ul	85
56) Dibenzofuran	15.329	168	654698	21.142	ng/ul	99
57) 2,4-Dinitrotoluene	15.294	165	162945	25.020	ng/ul#	86
58) 2,3,4,6-Tetrachlorophenol	15.535	232	168541	23.248	ng/ul#	96
59) Diethylphthalate	15.717	149	554601	22.672	ng/ul	95
61) Fluorene	15.976	166	571598	22.459	ng/ul#	97
62) 4-Chlorophenyl-phenyle...	15.958	204	304721	22.627	ng/ul	99
63) 4-Nitroaniline	16.011	138	95343	22.211	ng/ul#	77
66) 4,6-Dinitro-2-methylph...	16.040	198	113643	24.647	ng/ul	96
67) N-Nitrosodiphenylamine	16.175	169	476524	21.005	ng/ul	98
68) 4-Bromophenyl-phenylether	16.857	248	209588	22.198	ng/ul	97
69) Hexachlorobenzene	16.951	284	231914	21.396	ng/ul	93
70) Atrazine	17.109	200	216762	24.415	ng/ul	97
71) Pentachlorophenol	17.303	266	151914	22.738	ng/ul	97
72) Phenanthrene	17.726	178	928186	21.249	ng/ul	99
74) Anthracene	17.815	178	979127	22.054	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.731	216	243331	19.593	ng/uL	91
76) Pentachlorobenzene	15.223	250	252756	21.060	ng/uL	96
77) Carbazole	18.091	167	819303	22.038	ng/ul	99
78) Di-n-butylphthalate	18.602	149	921429	22.357	ng/ul	99
80) Fluoranthene	19.718	202	1072041	23.847	ng/ul	98
82) Pyrene	20.082	202	1092726	23.381	ng/ul	100
83) Butylbenzylphthalate	20.946	149	382754	25.917	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.898	252	384623	23.722	ng/ul#	96
85) Benzo(a)anthracene	21.986	228	1067809	21.788	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.822	149	551478	24.933	ng/ul#	98
87) Chrysene	22.057	228	982059	21.555	ng/ul	100
89) Di-n-octyl phthalate	23.149	149	933009	23.626	ng/ul	100
90) Benzo(b)fluoranthene	24.407	252	1085273	21.222	ng/ul	96
91) Benzo(k)fluoranthene	24.489	252	1097504	21.001	ng/ul	94
93) Benzo(a)pyrene	25.394	252	1031096	21.610	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.671	276	1249010m	20.718	ng/ul	
95) Dibenzo(a,h)anthracene	29.765	278	1015516	20.329	ng/ul	98
96) Benzo(g,h,i)perylene	30.987	276	1020802	21.392	ng/ul	96

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

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020560

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023