Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091724\
Data File : BG062898.D
Acq On : 17 Sep 2024 19:09
Operator : JU/RC
Sample : SSTD08062
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 18 00:36:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 18 00:18:08 2024
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD080449

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.859	152	51518	20.000	ng/ul	0.00
20) Naphthalene-d8	10.644	136	221740	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.493	164	167782	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.243	188	391703	20.000	ng/ul	0.00
79) Chrysene-d12	21.491	240	380107	20.000	ng/ul	0.00
88) Perylene-d12	24.528	264	444528	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.335	96	54548	47.863	ng/uL	0.00
4) Pyridine-d5	3.741	84	381252	105.092	ng/ul	0.00
7) Phenol-d5	7.037	99	440207	97.445	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.196	67	237901	87.837	ng/ul	0.01
11) 2-Chlorophenol-d4	7.395	132	279878	85.055	ng/ul	0.00
15) 4-Methylphenol-d8	8.576	113	322309	85.616	ng/ul	0.01
21) Nitrobenzene-d5	9.017	128	143447	90.514	ng/ul	0.01
24) 2-Nitrophenol-d4	9.734	143	173641	100.184	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.274	165	325196	86.154	ng/ul	0.00
31) 4-Chloroaniline-d4	10.785	131	412860	79.574	ng/ul	0.00
46) Dimethylphthalate-d6	13.905	166	946100	73.226	ng/ul	0.01
49) Acenaphthylene-d8	14.187	160	1068308	74.449	ng/ul	0.00
54) 4-Nitrophenol-d4	14.710	143	166750	75.972	ng/ul	0.02
60) Fluorene-d10	15.486	176	864534	74.254	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.615	200	205584	91.243	ng/ul	0.01
73) Anthracene-d10	17.342	188	1387966	75.082	ng/ul	0.00
81) Pyrene-d10	19.634	212	1721730	80.494	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.328	264	1812669	77.226	ng/ul	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.371	88	55436	43.400	ng/uL#	88
5) Pyridine	3.758	79	392781	103.226	ng/ul	98
6) Benzaldehyde	7.002	77	193759	78.010	ng/ul	95
8) Phenol	7.060	94	455436	96.983	ng/ul	93
10) Bis(2-Chloroethyl)ether	7.284	93	302119	85.105	ng/ul	90
12) 2-Chlorophenol	7.431	128	290613	86.376	ng/ul	95
13) 2-Methylphenol	8.306	108	320722	91.077	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.377	45	379113	59.332	ng/ul	98
16) Acetophenone	8.682	105	491154	80.273	ng/ul#	94
17) N-Nitroso-di-n-propyla...	8.682	70	273894	85.512	ng/ul#	96
18) 4-Methylphenol	8.641	108	347585	87.735	ng/ul	96
19) Hexachloroethane	8.935	117	116553	86.053	ng/ul	97
22) Nitrobenzene	9.058	77	425616	99.274	ng/ul#	93
23) Isophorone	9.587	82	822769	93.866	ng/ul	98
25) 2-Nitrophenol	9.769	139	181757	95.146	ng/ul#	87
26) 2,4-Dimethylphenol	9.828	107	392506	96.158	ng/ul	97
27) Bis(2-Chloroethoxy)met...	10.063	93	437205	89.250	ng/ul	92
29) 2,4-Dichlorophenol	10.304	162	322843	86.840	ng/ul	94
30) Naphthalene	10.697	128	966332	81.277	ng/ul#	95
32) 4-Chloroaniline	10.809	127	392459	76.057	ng/ul	100
33) Hexachlorobutadiene	10.985	225	262310	84.697	ng/ul	97
34) Caprolactam	11.596	113	109674m	80.043	ng/ul	
35) 4-Chloro-3-methylphenol	11.943	107	366465	90.364	ng/ul	96
36) 2-Methylnaphthalene	12.307	142	670818	76.448	ng/ul	91

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1-Methylnaphthalene	12.530	142	674718	75.067	ng/ul	100
39)	1,2,4,5-Tetrachloroben...	12.683	216	455485	78.966	ng/ul	97
40)	Hexachlorocyclopentadiene	12.660	237	274994	93.174	ng/ul	98
41)	2,4,6-Trichlorophenol	12.924	196	291538	83.444	ng/ul	96
42)	2,4,5-Trichlorophenol	13.000	196	311003	82.907	ng/ul	94
43)	1,1'-Biphenyl	13.324	154	930952	78.903	ng/ul	96
44)	2-Chloronaphthalene	13.365	162	753883	78.577	ng/ul	96
45)	2-Nitroaniline	13.570	65	283486	107.680	ng/ul	96
47)	Dimethylphthalate	13.952	163	968409	72.780	ng/ul	98
48)	2,6-Dinitrotoluene	14.076	165	202662	86.452	ng/ul	94
50)	Acenaphthylene	14.217	152	1111054	73.339	ng/ul	98
51)	3-Nitroaniline	14.399	138	168123	71.634	ng/ul#	94
52)	Acenaphthene	14.557	153	785850	73.232	ng/ul	97
53)	2,4-Dinitrophenol	14.605	184	142767	92.230	ng/ul	92
55)	4-Nitrophenol	14.728	109	190007	96.307	ng/ul	96
56)	Dibenzofuran	14.892	168	1175527	73.740	ng/ul	95
57)	2,4-Dinitrotoluene	14.863	165	303071	82.690	ng/ul	94
58)	2,3,4,6-Tetrachlorophenol	15.122	232	280426	73.767	ng/ul#	98
59)	Diethylphthalate	15.321	149	956041	72.833	ng/ul	97
61)	Fluorene	15.545	166	842123	67.246	ng/ul	95
62)	4-Chlorophenyl-phenyle...	15.539	204	478343	65.118	ng/ul	97
63)	4-Nitroaniline	15.574	138	162849	64.480	ng/ul	93
66)	4,6-Dinitro-2-methylph...	15.633	198	221427	94.807	ng/ul	99
67)	N-Nitrosodiphenylamine	15.750	169	818133	81.441	ng/ul	98
68)	4-Bromophenyl-phenylether	16.432	248	339210	75.256	ng/ul	95
69)	Hexachlorobenzene	16.549	284	385114	74.832	ng/ul	96
70)	Atrazine	16.708	200	356915	79.772	ng/ul	95
71)	Pentachlorophenol	16.896	266	249532	81.064	ng/ul	95
72)	Phenanthrene	17.284	178	1526072	74.919	ng/ul	98
74)	Anthracene	17.378	178	1577723	75.976	ng/ul	97
75)	1,2,3,4-Tetrachloroben...	13.288	216	469401	87.751	ng/ul	95
76)	Pentachlorobenzene	14.816	250	477330	80.526	ng/ul	98
77)	Carbazole	17.648	167	1315237	76.376	ng/ul	99
78)	Di-n-butylphthalate	18.206	149	1612963	79.199	ng/ul	98
80)	Fluoranthene	19.305	202	1897187	80.085	ng/ul	96
82)	Pyrene	19.669	202	1971974	77.330	ng/ul	97
83)	Butylbenzylphthalate	20.562	149	738113	97.504	ng/ul	99
84)	3,3'-Dichlorobenzidine	21.397	252	617587	77.174	ng/ul	98
85)	Benzo(a)anthracene	21.473	228	2033988	76.938	ng/ul	99
86)	Bis(2-ethylhexyl)phtha...	21.391	149	980090	87.927	ng/ul#	98
87)	Chrysene	21.538	228	1922635	76.658	ng/ul	99
89)	Di-n-octyl phthalate	22.536	149	1830623	88.533	ng/ul	100
90)	Benzo(b)fluoranthene	23.576	252	2095563	76.354	ng/ul	99
91)	Benzo(k)fluoranthene	23.641	252	2077306	73.918	ng/ul	99
93)	Benzo(a)pyrene	24.405	252	1930770	74.585	ng/ul	98
94)	Indeno(1,2,3-cd)pyrene	27.977	276	2433624	76.302	ng/ul	94
95)	Dibenzo(a,h)anthracene	28.036	278	1942334	75.817	ng/ul#	97
96)	Benzo(g,h,i)perylene	29.052	276	1880017	76.320	ng/ul	100

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

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