Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092723\
Data File : BG059218.D
Acq On : 27 Sep 2023 19:34
Operator : MA/JU
Sample : SSTD01032
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 28 04:10:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 03:42:12 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010436

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

09/28/2023
Supervised By :mohammad ahmed

09/29/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.237	152	42648	20.000	ng/ul	0.00
20) Naphthalene-d8	11.075	136	211824	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.870	164	135979	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.620	188	310175	20.000	ng/ul	0.00
79) Chrysene-d12	21.927	240	285982	20.000	ng/ul	0.00
88) Perylene-d12	25.405	264	329123	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.531	96	4648	4.227	ng/uL	0.00
4) Pyridine-d5	3.966	84	33126	10.181	ng/ul	0.00
7) Phenol-d5	7.362	99	36554	8.709	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.555	67	26552	10.241	ng/ul	0.00
11) 2-Chlorophenol-d4	7.749	132	27025	8.893	ng/ul	0.00
15) 4-Methylphenol-d8	8.924	113	29463	8.886	ng/ul	0.00
21) Nitrobenzene-d5	9.430	128	13326	8.414	ng/ul	0.00
24) 2-Nitrophenol-d4	10.147	143	13047	8.124	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.681	165	28489	9.210	ng/ul	0.00
31) 4-Chloroaniline-d4	11.222	131	45779	9.482	ng/ul	0.00
46) Dimethylphthalate-d6	14.265	166	92536	8.985	ng/ul	0.00
49) Acenaphthylene-d8	14.571	160	118792	9.385	ng/ul	0.00
54) 4-Nitrophenol-d4	15.058	143	13495m	7.240	ng/ul	0.00
60) Fluorene-d10	15.857	176	92526	9.764	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.969	200	12070	6.967	ng/ul	0.00
73) Anthracene-d10	17.720	188	133761	9.573	ng/ul	0.00
81) Pyrene-d10	19.994	212	150962	9.175	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.158	264	147650	9.278	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.560	88	5126	4.068	ng/uL#	75
5) Pyridine	3.989	79	33046m	10.166	ng/ul	
6) Benzaldehyde	7.379	77	22463m	10.524	ng/ul	
8) Phenol	7.385	94	37336	8.721	ng/ul#	88
10) Bis(2-Chloroethyl)ether	7.649	93	34765	10.117	ng/ul	86
12) 2-Chlorophenol	7.785	128	28886	9.279	ng/ul	96
13) 2-Methylphenol	8.660	108	30466	9.572	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.742	45	77243	10.612	ng/ul	98
16) Acetophenone	9.077	105	49651	9.678	ng/ul	99
17) N-Nitroso-di-n-propyla...	9.036	70	25634	9.839	ng/ul#	87
18) 4-Methylphenol	8.989	108	31436	9.213	ng/ul	94
19) Hexachloroethane	9.312	117	11670	9.518	ng/ul	87
22) Nitrobenzene	9.477	77	33945	9.195	ng/ul	94
23) Isophorone	9.976	82	77737	9.880	ng/ul	99
25) 2-Nitrophenol	10.182	139	14769	8.254	ng/ul	97
26) 2,4-Dimethylphenol	10.211	107	32505	9.357	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.464	93	49512	9.983	ng/ul#	89
29) 2,4-Dichlorophenol	10.705	162	26775	8.558	ng/ul	92
30) Naphthalene	11.128	128	108756	9.652	ng/ul	97
32) 4-Chloroaniline	11.245	127	42475	8.925	ng/ul	100
33) Hexachlorobutadiene	11.357	225	19759	9.837	ng/ul	98
34) Caprolactam	12.027	113	9436m	8.524	ng/ul	
35) 4-Chloro-3-methylphenol	12.326	107	30970m	9.333	ng/ul	
36) 2-Methylnaphthalene	12.714	142	72594	9.646	ng/ul	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.931	142	73035	9.574	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	13.055	216	39411	9.940	ng/ul	96
40) Hexachlorocyclopentadiene	13.008	237	19544	7.681	ng/ul	92
41) 2,4,6-Trichlorophenol	13.302	196	22596	8.758	ng/ul	89
42) 2,4,5-Trichlorophenol	13.372	196	23836	8.548	ng/ul	98
43) 1,1'-Biphenyl	13.707	154	107115	9.840	ng/ul#	97
44) 2-Chloronaphthalene	13.760	162	78593	9.503	ng/ul#	89
45) 2-Nitroaniline	13.977	65	20857	8.140	ng/ul	88
47) Dimethylphthalate	14.312	163	96760	9.184	ng/ul#	98
48) 2,6-Dinitrotoluene	14.453	165	14692	7.792	ng/ul	88
50) Acenaphthylene	14.600	152	125705	9.270	ng/ul	97
51) 3-Nitroaniline	14.794	138	16770m	8.023	ng/ul	
52) Acenaphthene	14.935	153	88348	9.611	ng/ul	99
53) 2,4-Dinitrophenol	14.988	184	5652m	4.975	ng/ul	
55) 4-Nitrophenol	15.076	109	9620	7.695	ng/ul	86
56) Dibenzofuran	15.264	168	115785	9.484	ng/ul	96
57) 2,4-Dinitrotoluene	15.235	165	22972	8.349	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.476	232	21956	8.613	ng/ul#	92
59) Diethylphthalate	15.652	149	93825	9.107	ng/ul	96
61) Fluorene	15.910	166	97208	9.436	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.899	204	49388	9.595	ng/ul	98
63) 4-Nitroaniline	15.951	138	14969m	7.559	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.981	198	11738	6.372	ng/ul#	94
67) N-Nitrosodiphenylamine	16.116	169	78271	9.506	ng/ul	99
68) 4-Bromophenyl-phenylether	16.798	248	29000	9.726	ng/ul	91
69) Hexachlorobenzene	16.886	284	33577	9.825	ng/ul#	89
70) Atrazine	17.050	200	28568	9.001	ng/ul	94
71) Pentachlorophenol	17.238	266	14989	6.903	ng/ul	97
72) Phenanthrene	17.661	178	162991	9.493	ng/ul	96
74) Anthracene	17.755	178	168493	9.589	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.666	216	38518	9.390	ng/uL	98
76) Pentachlorobenzene	15.158	250	37530	9.763	ng/uL	95
77) Carbazole	18.031	167	139473	9.611	ng/ul	96
78) Di-n-butylphthalate	18.537	149	156894	8.830	ng/ul	99
80) Fluoranthene	19.653	202	190337	9.284	ng/ul	97
82) Pyrene	20.023	202	200636	9.343	ng/ul	98
83) Butylbenzylphthalate	20.875	149	66970	8.676	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.815	252	64571	9.474	ng/ul	97
85) Benzo(a)anthracene	21.903	228	192215	9.337	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.739	149	100193	8.618	ng/ul	96
87) Chrysene	21.974	228	176396	9.226	ng/ul	99
89) Di-n-octyl phthalate	23.031	149	164056	8.325	ng/ul	100
90) Benzo(b)fluoranthene	24.277	252	191752	9.638	ng/ul	97
91) Benzo(k)fluoranthene	24.353	252	189092m	9.199	ng/ul	
93) Benzo(a)pyrene	25.241	252	181529	9.530	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.424	276	204453m	9.386	ng/ul	
95) Dibenzo(a,h)anthracene	29.512	278	162632	9.284	ng/ul#	92
96) Benzo(g,h,i)perylene	30.717	276	171711m	9.805	ng/ul	

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

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