Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110323\
Data File : BG059610.D
Acq On : 3 Nov 2023 21:44
Operator : MA/JU
Sample : SSTD08071
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 04 01:36:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 04 01:51:15 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD080445

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/06/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.352	152	31290	20.000	ng/ul	0.00
20) Naphthalene-d8	11.201	136	159995	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.985	164	103189	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.735	188	233544	20.000	ng/ul	0.00
79) Chrysene-d12	22.077	240	187094	20.000	ng/ul	0.00
88) Perylene-d12	25.684	264	255083	20.000	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.645	96	23128m	28.748	ng/uL	0.00
4) Pyridine-d5	4.080	84	207129	90.833	ng/ul	0.00
7) Phenol-d5	7.470	99	283601	91.168	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.676	67	142857	95.806	ng/ul	0.00
11) 2-Chlorophenol-d4	7.870	132	197867	80.918	ng/ul	0.00
15) 4-Methylphenol-d8	9.045	113	231878	93.570	ng/ul	0.00
21) Nitrobenzene-d5	9.556	128	100365	87.930	ng/ul	0.00
24) 2-Nitrophenol-d4	10.273	143	113271	94.844	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.802	165	219140	86.516	ng/ul	0.00
31) 4-Chloroaniline-d4	11.348	131	321513	78.346	ng/ul	0.00
46) Dimethylphthalate-d6	14.386	166	686047	75.363	ng/ul	0.01
49) Acenaphthylene-d8	14.691	160	827972	77.146	ng/ul	0.00
54) 4-Nitrophenol-d4	15.173	143	116531	75.112	ng/ul	0.02
60) Fluorene-d10	15.978	176	620840	77.972	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.084	200	116444	99.553	ng/ul	0.01
73) Anthracene-d10	17.841	188	938968	74.921	ng/ul	0.00
81) Pyrene-d10	20.109	212	959248	74.736	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.438	264	1208002	80.918	ng/ul	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.687	88	28311	30.027	ng/uL#	78
5) Pyridine	4.104	79	215211	93.563	ng/ul	96
6) Benzaldehyde	7.500	77	153553	101.944	ng/ul	96
8) Phenol	7.500	94	281589	96.187	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.770	93	191691	88.534	ng/ul#	89
12) 2-Chlorophenol	7.905	128	204022	82.392	ng/ul#	84
13) 2-Methylphenol	8.775	108	236031	95.420	ng/ul	91
14) 2,2'-oxybis(1-Chloropr...	8.875	45	82217m	45.389	ng/ul	
16) Acetophenone	9.204	105	383446	94.308	ng/ul	89
17) N-Nitroso-di-n-propyla...	9.174	70	218290	111.395	ng/ul#	91
18) 4-Methylphenol	9.116	108	248644	94.356	ng/ul	96
19) Hexachloroethane	9.445	117	84002	83.896	ng/ul#	84
22) Nitrobenzene	9.597	77	315170	119.704	ng/ul#	86
23) Isophorone	10.114	82	619560	95.235	ng/ul	97
25) 2-Nitrophenol	10.308	139	119934	93.170	ng/ul#	56
26) 2,4-Dimethylphenol	10.332	107	308201	91.678	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.590	93	272435	80.484	ng/ul	99
29) 2,4-Dichlorophenol	10.831	162	210711	86.820	ng/ul#	90
30) Naphthalene	11.260	128	730902	74.872	ng/ul#	96
32) 4-Chloroaniline	11.372	127	300976	77.304	ng/ul	88
33) Hexachlorobutadiene	11.483	225	131654	87.135	ng/ul	94
34) Caprolactam	12.171	113	64971m	75.416	ng/ul	
35) 4-Chloro-3-methylphenol	12.447	107	271727	90.828	ng/ul	87
36) 2-Methylnaphthalene	12.835	142	553782	81.344	ng/ul	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.052	142	546147	79.832	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	13.175	216	245134	83.396	ng/ul#	89
40) Hexachlorocyclopentadiene	13.128	237	175048	100.723	ng/ul#	96
41) 2,4,6-Trichlorophenol	13.416	196	173755	87.782	ng/ul	98
42) 2,4,5-Trichlorophenol	13.487	196	180082	82.520	ng/ul	85
43) 1,1'-Biphenyl	13.828	154	722010	77.801	ng/ul	92
44) 2-Chloronaphthalene	13.875	162	545058	76.289	ng/ul	91
45) 2-Nitroaniline	14.092	65	156658	112.938	ng/ul	92
47) Dimethylphthalate	14.433	163	700447	76.814	ng/ul	99
48) 2,6-Dinitrotoluene	14.574	165	127907	91.143	ng/ul#	79
50) Acenaphthylene	14.721	152	898811	72.720	ng/ul	96
51) 3-Nitroaniline	14.915	138	135021	78.346	ng/ul#	88
52) Acenaphthene	15.050	153	584717	72.340	ng/ul	98
53) 2,4-Dinitrophenol	15.103	184	90352	107.242	ng/ul#	84
55) 4-Nitrophenol	15.185	109	224772	119.257	ng/ul	89
56) Dibenzofuran	15.385	168	811509	77.121	ng/ul	94
57) 2,4-Dinitrotoluene	15.349	165	186436	90.052	ng/ul#	75
58) 2,3,4,6-Tetrachlorophenol	15.590	232	146591	83.403	ng/ul#	86
59) Diethylphthalate	15.778	149	727427	74.031	ng/ul	99
61) Fluorene	16.031	166	688316	75.719	ng/ul	99
62) 4-Chlorophenyl-phenyle...	16.013	204	332399	82.446	ng/ul	93
63) 4-Nitroaniline	16.084	138	127455	71.633	ng/ul#	63
66) 4,6-Dinitro-2-methylph...	16.101	198	121343	98.510	ng/ul#	99
67) N-Nitrosodiphenylamine	16.231	169	587817	74.407	ng/ul	96
68) 4-Bromophenyl-phenylether	16.912	248	204583	86.001	ng/ul	95
69) Hexachlorobenzene	17.000	284	190981	71.655	ng/ul	93
70) Atrazine	17.171	200	198676	79.961	ng/ul	91
71) Pentachlorophenol	17.359	266	133475	86.292	ng/ul	95
72) Phenanthrene	17.782	178	1081254	72.099	ng/ul	99
74) Anthracene	17.876	178	1084501	71.709	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.781	216	243137	80.408	ng/uL#	76
76) Pentachlorobenzene	15.279	250	241086	81.848	ng/uL	93
77) Carbazole	18.152	167	951622	74.349	ng/ul	98
78) Di-n-butylphthalate	18.657	149	1129272	65.479	ng/ul#	96
80) Fluoranthene	19.774	202	1202314	76.599	ng/ul#	96
82) Pyrene	20.138	202	1190847	73.120	ng/ul	98
83) Butylbenzylphthalate	21.002	149	465227	65.350	ng/ul	89
84) 3,3'-Dichlorobenzidine	21.965	252	355957	74.385	ng/ul	91
85) Benzo(a)anthracene	22.053	228	1145215	74.218	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.889	149	665160	63.115	ng/ul	99
87) Chrysene	22.130	228	1049169	73.948	ng/ul	96
89) Di-n-octyl phthalate	23.240	149	1139549	56.164	ng/ul	100
90) Benzo(b)fluoranthene	24.521	252	1499574	84.267	ng/ul	95
91) Benzo(k)fluoranthene	24.603	252	1488579	82.821	ng/ul#	98
93) Benzo(a)pyrene	25.526	252	1358980	78.066	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	29.891	276	1684073m	76.884	ng/ul	
95) Dibenzo(a,h)anthracene	29.973	278	1411858m	77.542	ng/ul	
96) Benzo(g,h,i)perylene	31.243	276	1319098m	73.339	ng/ul	

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

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