Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101723\
Data File : BG059465.D
Acq On : 17 Oct 2023 19:39
Operator : MA/JU
Sample : SSTD01050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 18 04:16:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 18 03:51:17 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010414

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.190	152	23135	20.000	ng/ul	0.00
20) Naphthalene-d8	11.028	136	108745	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.829	164	66335	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.579	188	152131	20.000	ng/ul	0.00
79) Chrysene-d12	21.868	240	145528	20.000	ng/ul	0.00
88) Perylene-d12	25.311	264	170446	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.478	96	2854	4.028	ng/uL	0.00
4) Pyridine-d5	3.919	84	26587	12.410	ng/ul	0.00
7) Phenol-d5	7.315	99	23393	9.299	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.508	67	13950	9.811	ng/ul	0.00
11) 2-Chlorophenol-d4	7.708	132	16961	9.425	ng/ul	0.00
15) 4-Methylphenol-d8	8.889	113	16221	8.545	ng/ul	0.00
21) Nitrobenzene-d5	9.383	128	8967	10.023	ng/ul	0.00
24) 2-Nitrophenol-d4	10.105	143	8324	9.501	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.634	165	16857	9.171	ng/ul	0.00
31) 4-Chloroaniline-d4	11.181	131	26591	9.256	ng/ul	0.00
46) Dimethylphthalate-d6	14.224	166	55825	9.946	ng/ul	0.00
49) Acenaphthylene-d8	14.530	160	64039	9.382	ng/ul	0.00
54) 4-Nitrophenol-d4	15.017	143	8336	8.488	ng/ul	0.00
60) Fluorene-d10	15.816	176	53341	9.993	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.928	200	7014	7.593	ng/ul	0.00
73) Anthracene-d10	17.673	188	76414	9.738	ng/ul	0.00
81) Pyrene-d10	19.953	212	87634	9.774	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.070	264	91429	9.668	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.519	88	3551	3.985	ng/uL#	91
5) Pyridine	3.936	79	27697	13.241	ng/ul	97
6) Benzaldehyde	7.338	77	11698	10.628	ng/ul	92
8) Phenol	7.350	94	22496	9.039	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.602	93	18597	9.387	ng/ul	97
12) 2-Chlorophenol	7.743	128	17759	9.497	ng/ul	93
13) 2-Methylphenol	8.619	108	17257	9.443	ng/ul	88
14) 2,2'-oxybis(1-Chloropr...	8.707	45	39205	9.633	ng/ul#	95
16) Acetophenone	9.030	105	27541	9.608	ng/ul	94
17) N-Nitroso-di-n-propyla...	8.995	70	12247	9.279	ng/ul#	90
18) 4-Methylphenol	8.948	108	17384	8.750	ng/ul	86
19) Hexachloroethane	9.271	117	7134	10.039	ng/ul#	83
22) Nitrobenzene	9.436	77	18514	9.242	ng/ul	98
23) Isophorone	9.929	82	39883	9.479	ng/ul#	95
25) 2-Nitrophenol	10.147	139	8498	8.801	ng/ul#	80
26) 2,4-Dimethylphenol	10.164	107	17728	8.962	ng/ul	92
27) Bis(2-Chloroethoxy)met...	10.417	93	26231	9.693	ng/ul#	92
29) 2,4-Dichlorophenol	10.664	162	17919	10.087	ng/ul#	89
30) Naphthalene	11.081	128	64674	9.798	ng/ul	98
32) 4-Chloroaniline	11.198	127	25714	9.404	ng/ul	95
33) Hexachlorobutadiene	11.310	225	11778	10.056	ng/ul	97
34) Caprolactam	11.968	113	5348m	8.729	ng/ul	
35) 4-Chloro-3-methylphenol	12.279	107	16200	9.115	ng/ul	96
36) 2-Methylnaphthalene	12.673	142	40126	9.526	ng/ul	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.890	142	43103	9.955	ng/ul#	89
39) 1,2,4,5-Tetrachloroben...	13.014	216	21509	9.885	ng/ul#	88
40) Hexachlorocyclopentadiene	12.973	237	11052	8.768	ng/ul#	89
41) 2,4,6-Trichlorophenol	13.261	196	12375	9.325	ng/ul	89
42) 2,4,5-Trichlorophenol	13.331	196	13617	9.435	ng/ul	89
43) 1,1'-Biphenyl	13.666	154	57467	9.580	ng/ul	96
44) 2-Chloronaphthalene	13.719	162	44438	9.641	ng/ul	94
45) 2-Nitroaniline	13.936	65	10826	8.903	ng/ul#	86
47) Dimethylphthalate	14.271	163	53421	9.514	ng/ul	99
48) 2,6-Dinitrotoluene	14.418	165	9087	8.835	ng/ul#	87
50) Acenaphthylene	14.559	152	68842	9.582	ng/ul	99
51) 3-Nitroaniline	14.759	138	9807	8.805	ng/ul#	51
52) Acenaphthene	14.894	153	47207	9.543	ng/ul	90
53) 2,4-Dinitrophenol	14.953	184	3084	5.522	ng/ul#	75
55) 4-Nitrophenol	15.029	109	5400	7.660	ng/ul#	85
56) Dibenzofuran	15.223	168	67271	10.003	ng/ul	99
57) 2,4-Dinitrotoluene	15.199	165	13332	8.963	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.434	232	12180	9.313	ng/ul#	92
59) Diethylphthalate	15.617	149	50658	9.303	ng/ul	96
61) Fluorene	15.869	166	56829	10.220	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.858	204	28428	10.040	ng/ul	89
63) 4-Nitroaniline	15.916	138	10264	9.377	ng/ul	100
66) 4,6-Dinitro-2-methylph...	15.940	198	7300	7.463	ng/ul	97
67) N-Nitrosodiphenylamine	16.075	169	47403	10.534	ng/ul#	88
68) 4-Bromophenyl-phenylether	16.751	248	16978	10.235	ng/ul	97
69) Hexachlorobenzene	16.845	284	18875	9.957	ng/ul	97
70) Atrazine	17.009	200	16742	9.556	ng/ul#	91
71) Pentachlorophenol	17.197	266	8640	8.011	ng/ul#	82
72) Phenanthrene	17.620	178	92929	9.799	ng/ul	98
74) Anthracene	17.708	178	95098	9.780	ng/ul	95
75) 1,2,3,4-Tetrachloroben...	13.625	216	20657	9.404	ng/uL	94
76) Pentachlorobenzene	15.117	250	21572	10.077	ng/uL	97
77) Carbazole	17.990	167	79039	9.399	ng/ul	98
78) Di-n-butylphthalate	18.496	149	88681	9.355	ng/ul	97
80) Fluoranthene	19.618	202	107781	10.086	ng/ul	98
82) Pyrene	19.982	202	116039	10.112	ng/ul	98
83) Butylbenzylphthalate	20.834	149	35574	9.200	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.768	252	38063	9.993	ng/ul	95
85) Benzo(a)anthracene	21.845	228	112203	9.751	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.680	149	54788	9.721	ng/ul	99
87) Chrysene	21.921	228	105494	9.718	ng/ul	99
89) Di-n-octyl phthalate	22.961	149	89114	8.925	ng/ul	100
90) Benzo(b)fluoranthene	24.201	252	112453	9.756	ng/ul#	97
91) Benzo(k)fluoranthene	24.271	252	117276	10.007	ng/ul	98
93) Benzo(a)pyrene	25.141	252	108427	9.699	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	29.277	276	123387m	9.826	ng/ul	
95) Dibenzo(a,h)anthracene	29.365	278	104169m	9.971	ng/ul	
96) Benzo(g,h,i)perylene	30.534	276	101512m	9.892	ng/ul	

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

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