Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091023\
Data File : BG058956.D
Acq On : 10 Sep 2023 17:29
Operator : MA/JU
Sample : SSTD01008
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD010408

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 09/11/2023
Supervised By :mohammad ahmed 09/13/2023

Quant Time: Sep 10 23:25:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Sep 10 22:58:52 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.323	152	51068	20.000	ng/ul	0.00
20) Naphthalene-d8	11.166	136	233405	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.950	164	175666	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.700	188	460073	20.000	ng/ul	# 0.00
79) Chrysene-d12	22.024	240	479383	20.000	ng/ul	0.00
88) Perylene-d12	25.585	264	535707	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.640	96	4661	4.378	ng/uL	0.00
4) Pyridine-d5	4.069	84	37979	10.389	ng/ul	0.00
7) Phenol-d5	7.436	99	46510	9.182	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.641	67	29431	10.271	ng/ul	0.00
11) 2-Chlorophenol-d4	7.841	132	30592	10.125	ng/ul	0.00
15) 4-Methylphenol-d8	9.004	113	37107	9.452	ng/ul	0.00
21) Nitrobenzene-d5	9.527	128	14849	10.801	ng/ul	0.00
24) 2-Nitrophenol-d4	10.232	143	16180	10.743	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.761	165	37611	8.608	ng/ul	0.00
31) 4-Chloroaniline-d4	11.307	131	55038	9.820	ng/ul	0.00
46) Dimethylphthalate-d6	14.345	166	136012	10.030	ng/ul	0.00
49) Acenaphthylene-d8	14.651	160	147484	10.062	ng/ul	0.00
54) 4-Nitrophenol-d4	15.109	143	23591	13.168	ng/ul	0.00
60) Fluorene-d10	15.937	176	119290	9.334	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.037	200	19513	9.316	ng/ul	0.00
73) Anthracene-d10	17.794	188	199492	9.532	ng/ul	0.00
81) Pyrene-d10	20.068	212	249046	8.958	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.338	264	251983	9.549	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.681	88	6555	5.055	ng/uL	89
5) Pyridine	4.092	79	39542	10.275	ng/ul	91
6) Benzaldehyde	7.471	77	31895	10.683	ng/ul#	88
8) Phenol	7.459	94	50909	9.638	ng/ul#	94
10) Bis(2-Chloroethyl)ether	7.741	93	38629	9.861	ng/ul#	85
12) 2-Chlorophenol	7.870	128	30741	10.091	ng/ul#	79
13) 2-Methylphenol	8.740	108	38578	9.754	ng/ul	89
14) 2,2'-oxybis(1-Chloropr...	8.828	45	47914	10.627	ng/ul#	94
16) Acetophenone	9.163	105	61477	8.783	ng/ul	87
17) N-Nitroso-di-n-propyla...	9.128	70	33775	9.226	ng/ul	96
18) 4-Methylphenol	9.069	108	41946	9.692	ng/ul	99
19) Hexachloroethane	9.416	117	13938	11.210	ng/ul#	75
22) Nitrobenzene	9.562	77	46945	9.984	ng/ul	94
23) Isophorone	10.074	82	100818	8.594	ng/ul	99
25) 2-Nitrophenol	10.273	139	16661	10.256	ng/ul#	88
26) 2,4-Dimethylphenol	10.291	107	47140	9.333	ng/ul#	86
27) Bis(2-Chloroethoxy)met...	10.555	93	54845	9.028	ng/ul	93
29) 2,4-Dichlorophenol	10.790	162	35210	8.501	ng/ul#	91
30) Naphthalene	11.219	128	115314	9.146	ng/ul	96
32) 4-Chloroaniline	11.331	127	50499	9.499	ng/ul	94
33) Hexachlorobutadiene	11.454	225	26457	6.523	ng/ul#	90
34) Caprolactam	12.095	113	14275m	10.419	ng/ul	
35) 4-Chloro-3-methylphenol	12.394	107	43450	8.929	ng/ul	92
36) 2-Methylnaphthalene	12.800	142	92026	9.641	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.017	142	89111	9.128	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	13.135	216	52291	7.978	ng/ul	93
40) Hexachlorocyclopentadiene	13.094	237	59481	12.609	ng/ul#	96
41) 2,4,6-Trichlorophenol	13.376	196	34657	9.099	ng/ul	99
42) 2,4,5-Trichlorophenol	13.440	196	38655	9.465	ng/ul	96
43) 1,1'-Biphenyl	13.787	154	125783	10.523	ng/ul#	96
44) 2-Chloronaphthalene	13.840	162	93439	9.802	ng/ul	97
45) 2-Nitroaniline	14.051	65	27644	13.115	ng/ul	94
47) Dimethylphthalate	14.392	163	126381	9.167	ng/ul#	99
48) 2,6-Dinitrotoluene	14.533	165	22014	11.250	ng/ul#	88
50) Acenaphthylene	14.680	152	162660	9.945	ng/ul#	95
51) 3-Nitroaniline	14.868	138	22241	11.279	ng/ul	85
52) Acenaphthene	15.009	153	107001	10.048	ng/ul	95
53) 2,4-Dinitrophenol	15.062	184	21440	12.952	ng/ul	91
55) 4-Nitrophenol	15.127	109	26516	11.833	ng/ul#	90
56) Dibenzofuran	15.344	168	156218	9.826	ng/ul	98
57) 2,4-Dinitrotoluene	15.303	165	31877	11.292	ng/ul#	91
58) 2,3,4,6-Tetrachlorophenol	15.550	232	37883	8.780	ng/ul	95
59) Diethylphthalate	15.738	149	130051	10.495	ng/ul	98
61) Fluorene	15.990	166	132313	9.803	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.978	204	70444	8.700	ng/ul	90
63) 4-Nitroaniline	16.025	138	22134	12.064	ng/ul	88
66) 4,6-Dinitro-2-methylph...	16.055	198	20786	9.453	ng/ul#	92
67) N-Nitrosodiphenylamine	16.190	169	114238	10.097	ng/ul	92
68) 4-Bromophenyl-phenylether	16.872	248	47395	8.484	ng/ul	94
69) Hexachlorobenzene	16.960	284	55658	8.634	ng/ul	89
70) Atrazine	17.124	200	51598	11.359	ng/ul	96
71) Pentachlorophenol	17.312	266	34306	8.665	ng/ul#	83
72) Phenanthrene	17.741	178	230436	10.317	ng/ul	96
74) Anthracene	17.829	178	237183	10.401	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.746	216	57606	8.623	ng/uL#	86
76) Pentachlorobenzene	15.238	250	56653	8.414	ng/uL	95
77) Carbazole	18.105	167	206201	11.913	ng/ul	97
78) Di-n-butylphthalate	18.617	149	225807	14.512	ng/ul	98
80) Fluoranthene	19.733	202	285195	8.441	ng/ul	97
82) Pyrene	20.097	202	298184	8.810	ng/ul#	96
83) Butylbenzylphthalate	20.961	149	89241	15.207	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.913	252	107061	10.225	ng/ul	93
85) Benzo(a)anthracene	22.001	228	309589	9.486	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.848	149	133486	14.582	ng/ul	98
87) Chrysene	22.071	228	285207	9.328	ng/ul	99
89) Di-n-octyl phthalate	23.182	149	220411	13.175	ng/ul	100
90) Benzo(b)fluoranthene	24.433	252	302744	9.384	ng/ul	97
91) Benzo(k)fluoranthene	24.510	252	314310m	9.683	ng/ul	
93) Benzo(a)pyrene	25.414	252	288513	9.558	ng/ul#	98
94) Indeno(1,2,3-cd)pyrene	29.715	276	360556m	9.581	ng/ul	
95) Dibenzo(a,h)anthracene	29.803	278	301027m	9.837	ng/ul	
96) Benzo(g,h,i)perylene	31.026	276	282046m	9.440	ng/ul	

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

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