Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071224\
Data File : BG062045.D
Acq On : 12 Jul 2024 17:58
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 12 19:17:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020570

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/16/2024

Supervised By :mohammad ahmed
07/16/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.038	152	45130	20.000	ng/ul	0.00
20) Naphthalene-d8	10.852	136	203553	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.672	164	138856	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.421	188	342427	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.681	240	368741	20.000	ng/ul	0.00
88) Perylene-d12	24.889	264	384534	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.438	96	8863	7.380	ng/uL	0.00
4) Pyridine-d5	3.855	84	63632	17.232	ng/ul	0.00
7) Phenol-d5	7.204	99	72789	14.738	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.362	67	41948	13.412	ng/ul	0.00
11) 2-Chlorophenol-d4	7.574	132	57527	16.981	ng/ul	0.00
15) 4-Methylphenol-d8	8.749	113	65985	16.969	ng/ul	0.00
21) Nitrobenzene-d5	9.207	128	32832	21.208	ng/ul	0.00
24) 2-Nitrophenol-d4	9.930	143	38155	21.582	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.471	165	75542	22.153	ng/ul	0.00
31) 4-Chloroaniline-d4	10.988	131	94814	19.152	ng/ul	0.00
46) Dimethylphthalate-d6	14.072	166	212770	18.638	ng/ul	0.00
49) Acenaphthylene-d8	14.366	160	232538	19.481	ng/ul	0.00
54) 4-Nitrophenol-d4	14.877	143	33194	18.208	ng/ul	0.00
60) Fluorene-d10	15.664	176	187520	19.512	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.782	200	37982	21.120	ng/ul	0.00
73) Anthracene-d10	17.515	188	313662	19.619	ng/ul	0.00
81) Pyrene-d10	19.801	212	346192	15.962	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.666	264	361031	18.931	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.473	88	8761m	6.609	ng/uL	
5) Pyridine	3.878	79	66339	17.517	ng/ul	95
6) Benzaldehyde	7.180	77	44973	17.205	ng/ul	90
8) Phenol	7.227	94	74946	14.822	ng/ul	91
10) Bis(2-Chloroethyl)ether	7.456	93	60733	15.635	ng/ul	95
12) 2-Chlorophenol	7.603	128	58221	16.869	ng/ul#	86
13) 2-Methylphenol	8.479	108	63916	17.710	ng/ul	87
14) 2,2'-oxybis(1-Chloropr...	8.567	45	132794	15.648	ng/ul#	96
16) Acetophenone	8.867	105	112261	17.477	ng/ul	94
17) N-Nitroso-di-n-propyla...	8.843	70	59741	16.613	ng/ul#	85
18) 4-Methylphenol	8.814	108	69582	17.216	ng/ul	94
19) Hexachloroethane	9.125	117	27912	18.642	ng/ul#	72
22) Nitrobenzene	9.248	77	91427	20.805	ng/ul	98
23) Isophorone	9.765	82	176840	17.813	ng/ul#	94
25) 2-Nitrophenol	9.959	139	38155	21.163	ng/ul#	91
26) 2,4-Dimethylphenol	10.018	107	88397	20.487	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.253	93	93083	17.026	ng/ul	98
29) 2,4-Dichlorophenol	10.500	162	65796	20.541	ng/ul	96
30) Naphthalene	10.905	128	221312	19.793	ng/ul#	94
32) 4-Chloroaniline	11.011	127	93976	19.346	ng/ul	98
33) Hexachlorobutadiene	11.176	225	52354	21.720	ng/ul#	86
34) Caprolactam	11.775	113	24927m	19.863	ng/ul	
35) 4-Chloro-3-methylphenol	12.133	107	89730	21.034	ng/ul	94
36) 2-Methylnaphthalene	12.503	142	158155	19.524	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.721	142	170259	20.225	ng/ul	90
39) 1,2,4,5-Tetrachloroben...	12.868	216	96159	23.060	ng/ul#	97
40) Hexachlorocyclopentadiene	12.838	237	55404	19.959	ng/ul	96
41) 2,4,6-Trichlorophenol	13.109	196	62961	22.733	ng/ul	99
42) 2,4,5-Trichlorophenol	13.185	196	70802	23.271	ng/ul	89
43) 1,1'-Biphenyl	13.508	154	224329	20.968	ng/ul	99
44) 2-Chloronaphthalene	13.555	162	172160	21.441	ng/ul	95
45) 2-Nitroaniline	13.755	65	79595	24.754	ng/ul	90
47) Dimethylphthalate	14.119	163	202680	18.458	ng/ul	99
48) 2,6-Dinitrotoluene	14.243	165	44351	21.291	ng/ul	98
50) Acenaphthylene	14.395	152	250094	19.089	ng/ul	98
51) 3-Nitroaniline	14.583	138	42701	21.059	ng/ul#	98
52) Acenaphthene	14.736	153	174796	19.322	ng/ul	98
53) 2,4-Dinitrophenol	14.789	184	29802	27.385	ng/ul	93
55) 4-Nitrophenol	14.895	109	45535	21.884	ng/ul	91
56) Dibenzofuran	15.071	168	249657	19.526	ng/ul	94
57) 2,4-Dinitrotoluene	15.036	165	68190	22.322	ng/ul#	91
58) 2,3,4,6-Tetrachlorophenol	15.294	232	56140	20.435	ng/ul#	95
59) Diethylphthalate	15.482	149	224433	18.968	ng/ul	95
61) Fluorene	15.717	166	207550	19.088	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.706	204	109565	20.061	ng/ul	91
63) 4-Nitroaniline	15.741	138	43539	21.162	ng/ul	82
66) 4,6-Dinitro-2-methylph...	15.800	198	38869	20.083	ng/ul#	95
67) N-Nitrosodiphenylamine	15.923	169	174920	18.705	ng/ul	97
68) 4-Bromophenyl-phenylether	16.605	248	74297	19.125	ng/ul	95
69) Hexachlorobenzene	16.716	284	91314	20.442	ng/ul	96
70) Atrazine	16.869	200	75337	20.408	ng/ul	98
71) Pentachlorophenol	17.063	266	50588	20.603	ng/ul	92
72) Phenanthrene	17.462	178	344919	19.103	ng/ul	100
74) Anthracene	17.550	178	357956	19.184	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.473	216	93250	21.926	ng/ul	90
76) Pentachlorobenzene	14.989	250	100612	20.742	ng/ul	96
77) Carbazole	17.821	167	307519	19.583	ng/ul	100
78) Di-n-butylphthalate	18.367	149	381795	18.937	ng/ul	98
80) Fluoranthene	19.466	202	413485	16.109	ng/ul#	94
82) Pyrene	19.830	202	415890	15.686	ng/ul#	91
83) Butylbenzylphthalate	20.706	149	204265	18.357	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.575	252	191256	21.802	ng/ul	93
85) Benzo(a)anthracene	21.657	228	509188	19.072	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.552	149	294566	18.448	ng/ul	98
87) Chrysene	21.722	228	467184	18.692	ng/ul	99
89) Di-n-octyl phthalate	22.762	149	507931	21.621	ng/ul	100
90) Benzo(b)fluoranthene	23.867	252	455136m	18.786	ng/ul	
91) Benzo(k)fluoranthene	23.931	252	457097	18.920	ng/ul#	92
93) Benzo(a)pyrene	24.742	252	435492	18.983	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.549	276	650966	22.204	ng/ul#	93
95) Dibenzo(a,h)anthracene	28.614	278	529109	21.852	ng/ul	98
96) Benzo(g,h,i)perylene	29.689	276	511624	21.936	ng/ul#	93

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

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