Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110423\
Data File : BG059655.D
Acq On : 5 Nov 2023 14:20
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD020475

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/06/2023
Supervised By :mohammad ahmed 11/08/2023

Quant Time: Nov 06 02:16:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110323.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 04 02:46:50 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.346	152	40932	20.000	ng/ul	# 0.00
20) Naphthalene-d8	11.202	136	155135	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.980	164	120941	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.729	188	279099	20.000	ng/ul	# 0.00
79) Chrysene-d12	22.066	240	305095	20.000	ng/ul	# 0.00
88) Perylene-d12	25.667	264	342446	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.646	96	5531	5.064	ng/uL	0.00
4) Pyridine-d5	4.075	84	41435	12.902	ng/ul	0.00
7) Phenol-d5	7.459	99	76508	18.282	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.665	67	38702	17.297	ng/ul	0.00
11) 2-Chlorophenol-d4	7.865	132	63206	22.239	ng/ul	0.00
15) 4-Methylphenol-d8	9.034	113	57953	16.921	ng/ul	0.00
21) Nitrobenzene-d5	9.557	128	23158	20.412	ng/ul	0.00
24) 2-Nitrophenol-d4	10.273	143	29502	21.548	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.796	165	53180	21.862	ng/ul	0.00
31) 4-Chloroaniline-d4	11.343	131	83133	21.718	ng/ul	0.00
46) Dimethylphthalate-d6	14.375	166	208032	21.433	ng/ul	0.00
49) Acenaphthylene-d8	14.686	160	242875	20.985	ng/ul	0.00
54) 4-Nitrophenol-d4	15.156	143	37308	21.770	ng/ul	0.00
60) Fluorene-d10	15.967	176	181987	19.916	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.073	200	38492	21.789	ng/ul	0.00
73) Anthracene-d10	17.829	188	289070	19.789	ng/ul	0.00
81) Pyrene-d10	20.103	212	397058	20.337	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.426	264	407195m	20.312	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.681	88	6594	5.284	ng/uL#	86
5) Pyridine	4.098	79	40960	12.077	ng/ul	94
6) Benzaldehyde	7.494	77	55410	20.943	ng/ul#	74
8) Phenol	7.489	94	87825	21.077	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.765	93	52525	18.245	ng/ul	96
12) 2-Chlorophenol	7.894	128	61025	20.582	ng/ul#	86
13) 2-Methylphenol	8.775	108	65212	18.917	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.869	45	16405m	12.741	ng/ul	
16) Acetophenone	9.192	105	88348	14.540	ng/ul#	87
17) N-Nitroso-di-n-propyla...	9.157	70	49229	15.335	ng/ul#	91
18) 4-Methylphenol	9.098	108	56813	15.394	ng/ul	98
19) Hexachloroethane	9.439	117	19423	14.943	ng/ul#	91
22) Nitrobenzene	9.592	77	72429	21.478	ng/ul#	90
23) Isophorone	10.097	82	143153	18.434	ng/ul#	91
25) 2-Nitrophenol	10.303	139	29161	19.785	ng/ul#	49
26) 2,4-Dimethylphenol	10.326	107	78453	20.995	ng/ul#	92
27) Bis(2-Chloroethoxy)met...	10.585	93	61811	18.450	ng/ul#	97
29) 2,4-Dichlorophenol	10.826	162	49389	21.005	ng/ul	97
30) Naphthalene	11.249	128	177390	19.530	ng/ul	97
32) 4-Chloroaniline	11.366	127	73850	20.280	ng/ul	93
33) Hexachlorobutadiene	11.478	225	32041	19.374	ng/ul	97
34) Caprolactam	12.130	113	18377m	22.409	ng/ul	
35) 4-Chloro-3-methylphenol	12.436	107	73083	22.950	ng/ul	85
36) 2-Methylnaphthalene	12.829	142	142786	21.573	ng/ul	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	13.047	142	148324	21.943	ng/ul	91
39) 1,2,4,5-Tetrachloroben...	13.164	216	67876	20.089	ng/ul	98
40) Hexachlorocyclopentadiene	13.123	237	44457	18.275	ng/ul#	87
41) 2,4,6-Trichlorophenol	13.411	196	50054	22.793	ng/ul	95
42) 2,4,5-Trichlorophenol	13.476	196	55852m	23.030	ng/ul	
43) 1,1'-Biphenyl	13.816	154	198065	19.158	ng/ul	94
44) 2-Chloronaphthalene	13.869	162	153336	19.910	ng/ul	95
45) 2-Nitroaniline	14.081	65	48087	24.913	ng/ul	97
47) Dimethylphthalate	14.422	163	198332	20.076	ng/ul	100
48) 2,6-Dinitrotoluene	14.563	165	39838	22.378	ng/ul	86
50) Acenaphthylene	14.715	152	265373	20.321	ng/ul	98
51) 3-Nitroaniline	14.903	138	44079	22.500	ng/ul#	87
52) Acenaphthene	15.044	153	172345	20.018	ng/ul	97
53) 2,4-Dinitrophenol	15.091	184	25986	20.733	ng/ul#	67
55) 4-Nitrophenol	15.174	109	69408	22.782	ng/ul#	73
56) Dibenzofuran	15.379	168	239718	20.517	ng/ul	99
57) 2,4-Dinitrotoluene	15.344	165	60902	22.890	ng/ul#	84
58) 2,3,4,6-Tetrachlorophenol	15.585	232	46759	22.275	ng/ul#	87
59) Diethylphthalate	15.767	149	223087	21.468	ng/ul	98
61) Fluorene	16.026	166	200229	19.966	ng/ul	94
62) 4-Chlorophenyl-phenyle...	16.002	204	103281	21.168	ng/ul	96
63) 4-Nitroaniline	16.061	138	41592	21.958	ng/ul#	55
66) 4,6-Dinitro-2-methylph...	16.084	198	38151	22.252	ng/ul	99
67) N-Nitrosodiphenylamine	16.225	169	180166	19.690	ng/ul	96
68) 4-Bromophenyl-phenylether	16.907	248	67439	22.861	ng/ul	91
69) Hexachlorobenzene	16.995	284	68795	24.906	ng/ul#	87
70) Atrazine	17.160	200	68826	21.964	ng/ul#	90
71) Pentachlorophenol	17.348	266	43866	22.766	ng/ul	94
72) Phenanthrene	17.776	178	330760	20.231	ng/ul	97
74) Anthracene	17.865	178	336770	19.499	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.775	216	69016	20.222	ng/uL#	77
76) Pentachlorobenzene	15.268	250	76874	22.280	ng/uL	90
77) Carbazole	18.141	167	299235	20.130	ng/ul	99
78) Di-n-butylphthalate	18.646	149	353400	21.002	ng/ul	99
80) Fluoranthene	19.768	202	487014	20.343	ng/ul#	92
82) Pyrene	20.133	202	481494	19.985	ng/ul#	92
83) Butylbenzylphthalate	20.990	149	201481	22.310	ng/ul	89
84) 3,3'-Dichlorobenzidine	21.954	252	182417	24.180	ng/ul#	97
85) Benzo(a)anthracene	22.042	228	486592	20.344	ng/ul	94
86) Bis(2-ethylhexyl)phtha...	21.878	149	273701	20.297	ng/ul#	95
87) Chrysene	22.118	228	439289	20.230	ng/ul	98
89) Di-n-octyl phthalate	23.223	149	473188	25.058	ng/ul	100
90) Benzo(b)fluoranthene	24.498	252	495592	21.251	ng/ul	96
91) Benzo(k)fluoranthene	24.574	252	486445	20.450	ng/ul#	96
93) Benzo(a)pyrene	25.491	252	458096	20.317	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	29.845	276	586891m	20.355	ng/ul	
95) Dibenzo(a,h)anthracene	29.939	278	500899	20.938	ng/ul	96
96) Benzo(g,h,i)perylene	31.167	276	457296	20.202	ng/ul#	98

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

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