Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110124\
Data File : BG063145.D
Acq On : 1 Nov 2024 12:59
Operator : RC/JU
Sample : P4368-09
Misc : MDL-MDL-WATER 4 PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-03-QT4-2024

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2024
Supervised By :mohammad ahmed 11/05/2024

Quant Time: Nov 01 14:15:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 01 05:13:43 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.845	152	215422	20.000	ng		0.00
21) Naphthalene-d8	10.635	136	931742	20.000	ng		0.00
39) Acenaphthene-d10	14.478	164	766793	20.000	ng		0.00
64) Phenanthrene-d10	17.228	188	1779993	20.000	ng		0.00
76) Chrysene-d12	21.482	240	2117043	20.000	ng		0.00
86) Perylene-d12	24.519	264	2373118	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.436	112	1426102	102.652	ng		0.00
7) Phenol-d6	7.028	99	2062477	113.290	ng		0.00
23) Nitrobenzene-d5	9.002	82	1657334	77.363	ng		0.00
42) 2,4,6-Tribromophenol	15.976	330	1368252	105.048	ng		0.00
45) 2-Fluorobiphenyl	13.103	172	3410216	65.871	ng		0.00
79) Terphenyl-d14	19.860	244	5314928	51.663	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.362	88	21433	3.926	ng		97
3) Pyridine	3.755	79	46275	3.512	ng		97
4) n-Nitrosodimethylamine	3.667	42	35473m	4.334	ng		
6) Aniline	7.181	93	80047	4.889	ng		95
8) 2-Chlorophenol	7.416	128	51174	3.966	ng		93
9) Benzaldehyde	6.993	77	64745	5.723	ng		92
10) Phenol	7.046	94	74908	3.841	ng		78
11) bis(2-Chloroethyl)ether	7.275	93	53190	4.044	ng		88
12) 1,3-Dichlorobenzene	7.745	146	56994m	3.641	ng		
13) 1,4-Dichlorobenzene	7.886	146	55883	3.502	ng		91
14) 1,2-Dichlorobenzene	8.197	146	56439	3.669	ng		96
15) Benzyl Alcohol	8.080	79	61524	4.206	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.362	45	100711	4.221	ng		97
17) 2-Methylphenol	8.285	107	45068	3.633	ng		96
18) Hexachloroethane	8.920	117	20100	3.520	ng	#	71
19) n-Nitroso-di-n-propyla...	8.644	70	51170	4.036	ng	#	88
20) 3+4-Methylphenols	8.614	107	61280	3.704	ng		89
22) Acetophenone	8.661	105	92672	3.712	ng	#	99
24) Nitrobenzene	9.043	77	87939	3.796	ng		93
25) Isophorone	9.560	82	143318	3.868	ng		95
26) 2-Nitrophenol	9.748	139	31402	3.686	ng		93
27) 2,4-Dimethylphenol	9.819	122	20755	1.982	ng		85
28) bis(2-Chloroethoxy)met...	10.048	93	70508	3.629	ng		98
29) 2,4-Dichlorophenol	10.283	162	54059	3.417	ng		92
30) 1,2,4-Trichlorobenzene	10.500	180	67511	3.470	ng		94
31) Naphthalene	10.682	128	173464	3.529	ng		98
32) Benzoic acid	9.925	122	13117m	1.437	ng		
33) 4-Chloroaniline	10.788	127	67867	4.092	ng		95
34) Hexachlorobutadiene	10.970	225	52124	3.255	ng		95
35) Caprolactam	11.540	113	20941m	4.145	ng		
36) 4-Chloro-3-methylphenol	11.922	107	61578	3.379	ng		93
37) 2-Methylnaphthalene	12.292	142	120971	3.470	ng		96
38) 1-Methylnaphthalene	12.516	142	113189m	3.298	ng		
40) 1,2,4,5-Tetrachloroben...	12.668	216	88121	3.198	ng		96
41) Hexachlorocyclopentadiene	12.645	237	7123	0.796	ng		87
43) 2,4,6-Trichlorophenol	12.909	196	52497	3.182	ng		88

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.980	196	59947	3.305	ng	#	91
46) 1,1'-Biphenyl	13.309	154	187076	3.595	ng		97
47) 2-Chloronaphthalene	13.350	162	143616	3.295	ng		95
48) 2-Nitroaniline	13.556	65	48104	3.144	ng		97
49) Acenaphthylene	14.196	152	223728	3.636	ng		97
50) Dimethylphthalate	13.932	163	191039	3.496	ng		98
51) 2,6-Dinitrotoluene	14.055	165	38812	3.326	ng		92
52) Acenaphthene	14.543	154	127788	3.354	ng		94
53) 3-Nitroaniline	14.384	138	38714	3.495	ng		89
54) 2,4-Dinitrophenol	14.596	184	14472	2.034	ng	#	87
55) Dibenzofuran	14.878	168	228579	3.403	ng		95
56) 4-Nitrophenol	14.695	139	26155	3.118	ng		97
57) 2,4-Dinitrotoluene	14.842	165	51922	3.111	ng	#	93
58) Fluorene	15.530	166	173300	3.256	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.107	232	54546m	3.134	ng		
60) Diethylphthalate	15.301	149	192612	3.433	ng		98
61) 4-Chlorophenyl-phenyle...	15.524	204	104710	3.165	ng		97
62) 4-Nitroaniline	15.547	138	38800	3.175	ng		91
63) Azobenzene	15.818	77	200744	3.459	ng		96
65) 4,6-Dinitro-2-methylph...	15.612	198	35874	3.135	ng		92
66) n-Nitrosodiphenylamine	15.741	169	157358	3.544	ng		94
67) 4-Bromophenyl-phenylether	16.417	248	80001	3.667	ng		96
68) Hexachlorobenzene	16.540	284	85714	3.392	ng	#	90
69) Atrazine	16.687	200	72926	3.572	ng		85
70) Pentachlorophenol	16.887	266	29472	2.344	ng		90
71) Phenanthrene	17.269	178	304818	3.532	ng		99
72) Anthracene	17.357	178	279930	3.305	ng		97
73) Carbazole	17.633	167	284900	3.573	ng		96
74) Di-n-butylphthalate	18.197	149	332529	3.674	ng		99
75) Fluoranthene	19.290	202	409949	3.356	ng		99
77) Benzidine	19.472	184	67724	2.076	ng	#	91
78) Pyrene	19.654	202	427516	3.407	ng		96
80) Butylbenzylphthalate	20.553	149	146800	3.631	ng	#	85
81) Benzo(a)anthracene	21.464	228	486756	3.651	ng		92
82) 3,3'-Dichlorobenzidine	21.382	252	160114	3.239	ng		98
83) Chrysene	21.529	228	445241	3.555	ng		94
84) Bis(2-ethylhexyl)phtha...	21.382	149	211837	3.611	ng		98
85) Di-n-octyl phthalate	22.527	149	353707	3.604	ng		99
87) Indeno(1,2,3-cd)pyrene	27.939	276	574964	3.610	ng	#	91
88) Benzo(b)fluoranthene	23.556	252	471105	3.405	ng		93
89) Benzo(k)fluoranthene	23.614	252	472446	3.579	ng		98
90) Benzo(a)pyrene	24.372	252	425487	3.523	ng		98
91) Dibenzo(a,h)anthracene	27.986	278	464580	3.494	ng	#	96
92) Benzo(g,h,i)perylene	28.990	276	437367	3.328	ng		95

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

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