Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112124\
Data File : BG063505.D
Acq On : 21 Nov 2024 13:55
Operator : RC/JU
Sample : P4776-01
Misc : MDL-WATER-QT4-2024
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-WATER-QT4-2024-07

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 14:39:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 20 14:52:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.830	152	92015	20.000	ng/ul	0.00
20) Naphthalene-d8	10.621	136	384191	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.475	164	305636	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.225	188	768995	20.000	ng/ul	0.00
79) Chrysene-d12	21.485	240	849772	20.000	ng/ul	0.00
88) Perylene-d12	24.528	264	913385	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.300	96	6301	2.703	ng/uL	0.00
4) Pyridine-d5	3.700	84	78975	10.808	ng/ul	0.00
7) Phenol-d5	7.008	99	100641	13.299	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.160	67	66493	13.699	ng/ul	0.00
11) 2-Chlorophenol-d4	7.360	132	73531	13.710	ng/ul	0.00
15) 4-Methylphenol-d8	8.541	113	78513	12.415	ng/ul	0.00
21) Nitrobenzene-d5	8.982	128	37254	13.503	ng/ul	0.00
24) 2-Nitrophenol-d4	9.704	143	44817	13.149	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.251	165	81485	12.526	ng/ul	0.00
31) 4-Chloroaniline-d4	10.756	131	107461	13.060	ng/ul	0.00
46) Dimethylphthalate-d6	13.876	166	285260	13.749	ng/ul	0.00
49) Acenaphthylene-d8	14.164	160	324220	13.703	ng/ul	0.00
54) 4-Nitrophenol-d4	14.687	143	30477	9.886	ng/ul	0.00
60) Fluorene-d10	15.468	176	267043	14.165	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.597	200	46977	10.866	ng/ul	0.00
73) Anthracene-d10	17.325	188	463388	13.870	ng/ul	0.00
81) Pyrene-d10	19.628	212	597262	14.021	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.317	264	609205	13.751	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.329	88	2811m	1.021	ng/uL	
5) Pyridine	3.723	79	25319	3.405	ng/ul#	79
6) Benzaldehyde	6.978	77	20914	4.828	ng/ul	93
8) Phenol	7.031	94	37507	4.545	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.248	93	26668	4.477	ng/ul	97
12) 2-Chlorophenol	7.395	128	25909	4.526	ng/ul#	92
13) 2-Methylphenol	8.277	108	26225	4.271	ng/ul	92
14) 2,2'-oxybis(1-Chloropr...	8.347	45	37387	4.285	ng/ul	94
16) Acetophenone	8.647	105	43765	4.381	ng/ul#	80
17) N-Nitroso-di-n-propyla...	8.629	70	23604	4.228	ng/ul#	83
18) 4-Methylphenol	8.606	108	29616	4.398	ng/ul	97
19) Hexachloroethane	8.905	117	10044	4.063	ng/ul#	93
22) Nitrobenzene	9.029	77	38381	4.535	ng/ul	99
23) Isophorone	9.546	82	67231	4.350	ng/ul	98
25) 2-Nitrophenol	9.734	139	15739m	4.654	ng/ul	
26) 2,4-Dimethylphenol	9.804	107	34147	4.685	ng/ul#	91
27) Bis(2-Chloroethoxy)met...	10.033	93	35661	4.168	ng/ul	98
29) 2,4-Dichlorophenol	10.280	162	28322	4.456	ng/ul	98
30) Naphthalene	10.668	128	92490	4.709	ng/ul#	96
32) 4-Chloroaniline	10.785	127	33645	4.279	ng/ul	96
33) Hexachlorobutadiene	10.962	225	26832	4.733	ng/ul	95
34) Caprolactam	11.532	113	10579m	4.938	ng/ul	
35) 4-Chloro-3-methylphenol	11.919	107	27272	4.216	ng/ul#	89
36) 2-Methylnaphthalene	12.284	142	65202	4.677	ng/ul	88

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Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.507	142	62555	4.274	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.660	216	46856	4.363	ng/ul#	84
40) Hexachlorocyclopentadiene	12.636	237	25614	5.591	ng/ul#	84
41) 2,4,6-Trichlorophenol	12.901	196	23202	3.937	ng/ul	95
42) 2,4,5-Trichlorophenol	12.983	196	22838	3.755	ng/ul	94
43) 1,1'-Biphenyl	13.300	154	89334	4.404	ng/ul	98
44) 2-Chloronaphthalene	13.341	162	68373	4.290	ng/ul	96
45) 2-Nitroaniline	13.553	65	19648	3.911	ng/ul	92
47) Dimethylphthalate	13.923	163	94010	4.650	ng/ul	96
48) 2,6-Dinitrotoluene	14.046	165	18562	4.526	ng/ul	92
50) Acenaphthylene	14.193	152	114193	4.801	ng/ul	95
51) 3-Nitroaniline	14.387	138	16910	4.502	ng/ul#	86
52) Acenaphthene	14.534	153	77488	4.510	ng/ul	97
53) 2,4-Dinitrophenol	14.610	184	8088	3.841	ng/ul#	77
55) 4-Nitrophenol	14.704	109	12965	3.619	ng/ul	91
56) Dibenzofuran	14.875	168	117329	4.760	ng/ul	96
57) 2,4-Dinitrotoluene	14.845	165	26602	4.239	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.104	232	21916	3.792	ng/ul#	96
59) Diethylphthalate	15.292	149	93084	4.559	ng/ul	98
61) Fluorene	15.527	166	97894	4.666	ng/ul	90
62) 4-Chlorophenyl-phenyle...	15.515	204	57667	4.606	ng/ul	96
63) 4-Nitroaniline	15.550	138	16914	4.398	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.615	198	19727	4.270	ng/ul#	97
67) N-Nitrosodiphenylamine	15.733	169	83128	4.553	ng/ul	95
68) 4-Bromophenyl-phenylether	16.420	248	36823	4.274	ng/ul	94
69) Hexachlorobenzene	16.538	284	40481	4.481	ng/ul#	89
70) Atrazine	16.684	200	39999	4.535	ng/ul	96
71) Pentachlorophenol	16.896	266	20254m	4.794	ng/ul	
72) Phenanthrene	17.266	178	168310m	4.591	ng/ul	
74) Anthracene	17.360	178	170050	4.543	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.271	216	42024	3.756	ng/ul	95
76) Pentachlorobenzene	14.798	250	42482	3.845	ng/ul#	85
77) Carbazole	17.636	167	145479	4.684	ng/ul	98
78) Di-n-butylphthalate	18.194	149	160770	4.515	ng/ul	99
80) Fluoranthene	19.293	202	223894	4.754	ng/ul#	97
82) Pyrene	19.657	202	235352	4.663	ng/ul#	97
83) Butylbenzylphthalate	20.550	149	70685	4.316	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.391	252	88411	4.843	ng/ul#	94
85) Benzo(a)anthracene	21.467	228	256836	4.674	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.385	149	107217	4.504	ng/ul	97
87) Chrysene	21.532	228	244505	4.759	ng/ul	97
89) Di-n-octyl phthalate	22.530	149	185025	4.566	ng/ul	100
90) Benzo(b)fluoranthene	23.565	252	250911m	4.575	ng/ul	
91) Benzo(k)fluoranthene	23.629	252	254043	4.617	ng/ul	99
93) Benzo(a)pyrene	24.381	252	217542	4.238	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.959	276	280391m	4.405	ng/ul	
95) Dibenzo(a,h)anthracene	28.006	278	225882	4.340	ng/ul#	95
96) Benzo(g,h,i)perylene	29.023	276	216270m	4.480	ng/ul	

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

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