Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081224\
Data File : BM047160.D
Acq On : 12 Aug 2024 18:11
Operator : RC/JU
Sample : P3390-08
Misc : LOQ-WATER-10NG
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOQ-WATER-02-QT3-2024

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/13/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 12 18:56:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.375	152	273452	20.000	ng		0.00
21) Naphthalene-d8	10.128	136	1140100	20.000	ng		0.00
39) Acenaphthene-d10	14.027	164	760236	20.000	ng		0.00
64) Phenanthrene-d10	16.792	188	1694488	20.000	ng		0.00
76) Chrysene-d12	21.027	240	1610754	20.000	ng		0.00
86) Perylene-d12	23.721	264	1792538	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.022	112	2233979	145.977	ng		0.00
7) Phenol-d6	6.587	99	3096236	146.831	ng		0.00
23) Nitrobenzene-d5	8.522	82	2009385	88.746	ng		0.00
42) 2,4,6-Tribromophenol	15.539	330	1413054	160.300	ng		0.00
45) 2-Fluorobiphenyl	12.639	172	4360329	88.472	ng		0.00
79) Terphenyl-d14	19.462	244	7441010	98.987	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.034	88	76799	12.112	ng		98
3) Pyridine	3.416	79	199876	10.750	ng		99
4) n-Nitrosodimethylamine	3.328	42	95364	11.739	ng	#	88
6) Aniline	6.722	93	282412	14.169	ng		98
8) 2-Chlorophenol	6.945	128	195011	11.683	ng		98
9) Benzaldehyde	6.534	77	166777m	11.395	ng		
10) Phenol	6.610	94	234558	11.148	ng		99
11) bis(2-Chloroethyl)ether	6.822	93	210143	11.662	ng		98
12) 1,3-Dichlorobenzene	7.263	146	220593	11.122	ng		99
13) 1,4-Dichlorobenzene	7.404	146	228898	11.398	ng		99
14) 1,2-Dichlorobenzene	7.716	146	218221	11.517	ng		99
15) Benzyl Alcohol	7.622	79	185403	12.354	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.910	45	283939	12.280	ng		99
17) 2-Methylphenol	7.828	107	159881	11.390	ng		99
18) Hexachloroethane	8.428	117	84146	10.817	ng		98
19) n-Nitroso-di-n-propyla...	8.181	70	177793	12.517	ng		96
20) 3+4-Methylphenols	8.157	107	228354	11.636	ng		98
22) Acetophenone	8.192	105	332322	12.076	ng		97
24) Nitrobenzene	8.563	77	257266	11.284	ng		99
25) Isophorone	9.086	82	474967	12.048	ng		100
26) 2-Nitrophenol	9.263	139	104714	10.371	ng		99
27) 2,4-Dimethylphenol	9.339	122	117537	9.938	ng		98
28) bis(2-Chloroethoxy)met...	9.569	93	292272	11.782	ng		100
29) 2,4-Dichlorophenol	9.792	162	196015	11.169	ng		99
30) 1,2,4-Trichlorobenzene	9.998	180	217857	10.970	ng		97
31) Naphthalene	10.175	128	645873	11.372	ng		100
32) Benzoic acid	9.457	122	124356m	9.050	ng		
33) 4-Chloroaniline	10.304	127	269073	12.320	ng		98
34) Hexachlorobutadiene	10.463	225	118782	10.218	ng		99
35) Caprolactam	11.092	113	68840	11.295	ng		97
36) 4-Chloro-3-methylphenol	11.445	107	209674	11.219	ng		99
37) 2-Methylnaphthalene	11.804	142	459198	11.355	ng		96
38) 1-Methylnaphthalene	12.027	142	451678	11.302	ng		96
40) 1,2,4,5-Tetrachloroben...	12.186	216	231638	11.171	ng		100
41) Hexachlorocyclopentadiene	12.163	237	43195	5.966	ng		99
43) 2,4,6-Trichlorophenol	12.445	196	160454	10.887	ng		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.516	196	176269	10.772	ng	97
46) 1,1'-Biphenyl	12.851	154	629067	11.623	ng	98
47) 2-Chloronaphthalene	12.886	162	498158	11.776	ng	98
48) 2-Nitroaniline	13.110	65	150735	11.374	ng	93
49) Acenaphthylene	13.745	152	808038	12.959	ng	99
50) Dimethylphthalate	13.504	163	638570	12.027	ng	100
51) 2,6-Dinitrotoluene	13.621	165	138854	11.187	ng	96
52) Acenaphthene	14.092	154	464251	11.737	ng	98
53) 3-Nitroaniline	13.951	138	142331	11.444	ng	92
54) 2,4-Dinitrophenol	14.168	184	67097	9.020	ng	94
55) Dibenzofuran	14.433	168	774865	12.402	ng	100
56) 4-Nitrophenol	14.292	139	118165	11.018	ng	92
57) 2,4-Dinitrotoluene	14.421	165	183216	11.059	ng	93
58) Fluorene	15.092	166	627590	12.174	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.674	232	155764	11.582	ng	98
60) Diethylphthalate	14.892	149	644282	11.883	ng	99
61) 4-Chlorophenyl-phenyle...	15.098	204	292902	11.935	ng	99
62) 4-Nitroaniline	15.127	138	141727m	11.567	ng	
63) Azobenzene	15.392	77	634506	12.342	ng	99
65) 4,6-Dinitro-2-methylph...	15.192	198	92359	9.310	ng	97
66) n-Nitrosodiphenylamine	15.315	169	538276	11.663	ng	99
67) 4-Bromophenyl-phenylether	15.992	248	174815	10.706	ng	98
68) Hexachlorobenzene	16.098	284	215348	11.012	ng	98
69) Atrazine	16.286	200	193778	13.952	ng	99
70) Pentachlorophenol	16.451	266	121736	8.881	ng	97
71) Phenanthrene	16.833	178	1015530	11.942	ng	99
72) Anthracene	16.921	178	946141	11.434	ng	100
73) Carbazole	17.204	167	977542	11.571	ng	99
74) Di-n-butylphthalate	17.792	149	1129413	11.489	ng	99
75) Fluoranthene	18.868	202	1161640	11.231	ng	99
77) Benzidine	19.074	184	316746	11.596	ng	99
78) Pyrene	19.233	202	1223223	10.636	ng	99
80) Butylbenzylphthalate	20.174	149	511010	10.887	ng	99
81) Benzo(a)anthracene	21.009	228	1221665	11.425	ng	99
82) 3,3'-Dichlorobenzidine	20.956	252	434258m	12.980	ng	
83) Chrysene	21.068	228	1123163	11.071	ng	99
84) Bis(2-ethylhexyl)phtha...	20.974	149	757627	11.382	ng	100
85) Di-n-octyl phthalate	22.003	149	1227617	10.850	ng	98
87) Indeno(1,2,3-cd)pyrene	26.703	276	1366463	11.794	ng	99
88) Benzo(b)fluoranthene	22.880	252	1271160	11.941	ng	99
89) Benzo(k)fluoranthene	22.933	252	1176270	11.699	ng	99
90) Benzo(a)pyrene	23.597	252	1061895	11.515	ng	100
91) Dibenzo(a,h)anthracene	26.756	278	1136477	12.120	ng	99
92) Benzo(g,h,i)perylene	27.632	276	1109518	11.397	ng	99

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

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