Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072022\
Data File : BM035879.D
Acq On : 20 Jul 2022 13:48
Operator : CG/JU
Sample : N3214-09
Misc : MDL-MDL-SOIL 4ppm
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 20 14:28:39 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM071822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 18 17:08:15 2022
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT2-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.898	152	325897	20.000	ng		0.00
21) Naphthalene-d8	10.704	136	1347594	20.000	ng		0.00
39) Acenaphthene-d10	14.533	164	778097	20.000	ng		0.00
64) Phenanthrene-d10	17.268	188	1441775	20.000	ng		0.00
76) Chrysene-d12	21.444	240	1149456	20.000	ng		0.00
86) Perylene-d12	23.821	264	1077722	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.451	112	2406237	114.465	ng		0.00
7) Phenol-d6	7.063	99	3232645	122.290	ng		0.00
23) Nitrobenzene-d5	9.063	82	2278018	90.410	ng		0.00
42) 2,4,6-Tribromophenol	16.015	330	1015208	116.644	ng		0.00
45) 2-Fluorobiphenyl	13.163	172	5020625	91.206	ng		0.00
79) Terphenyl-d14	19.892	244	5583596	94.512	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.322	88	31082	3.577	ng		97
3) Pyridine	3.734	79	78889	3.416	ng		94
4) n-Nitrosodimethylamine	3.640	42	38797	4.020	ng	#	73
6) Aniline	7.222	93	126267	4.350	ng		97
8) 2-Chlorophenol	7.457	128	82229	3.785	ng		100
9) Benzaldehyde	7.034	77	79284m	5.339	ng		
10) Phenol	7.087	94	102883	3.865	ng		97
11) bis(2-Chloroethyl)ether	7.322	93	86188	4.012	ng		95
12) 1,3-Dichlorobenzene	7.781	146	92763	3.829	ng		96
13) 1,4-Dichlorobenzene	7.934	146	94617	3.835	ng		97
14) 1,2-Dichlorobenzene	8.245	146	92675	3.884	ng		98
15) Benzyl Alcohol	8.139	79	61706	3.543	ng		92
16) 2,2'-oxybis(1-Chloropr...	8.428	45	113660	4.064	ng		95
17) 2-Methylphenol	8.339	107	62888	3.639	ng		96
18) Hexachloroethane	8.975	117	32648	3.679	ng		93
19) n-Nitroso-di-n-propyla...	8.704	70	60491	3.947	ng		88
20) 3+4-Methylphenols	8.669	107	83332	3.567	ng		95
22) Acetophenone	8.722	105	127584	3.831	ng	#	94
24) Nitrobenzene	9.104	77	103884	4.390	ng		99
25) Isophorone	9.628	82	159815	4.055	ng		99
26) 2-Nitrophenol	9.816	139	31178	2.925	ng		95
27) 2,4-Dimethylphenol	9.875	122	70544	4.195	ng		95
28) bis(2-Chloroethoxy)met...	10.116	93	106557	3.884	ng		99
29) 2,4-Dichlorophenol	10.345	162	61519	3.300	ng		97
30) 1,2,4-Trichlorobenzene	10.563	180	78574	3.652	ng		98
31) Naphthalene	10.751	128	270163	3.946	ng		99
33) 4-Chloroaniline	10.863	127	106396	3.884	ng		96
34) Hexachlorobutadiene	11.033	225	45160	3.657	ng		96
35) Caprolactam	11.627	113	16360	2.869	ng		91
36) 4-Chloro-3-methylphenol	11.986	107	66287	3.467	ng		97
37) 2-Methylnaphthalene	12.363	142	177454	3.984	ng		95
38) 1-Methylnaphthalene	12.580	142	169465	3.909	ng		99
40) 1,2,4,5-Tetrachloroben...	12.722	216	83224	3.744	ng		99
41) Hexachlorocyclopentadiene	12.704	237	46218	3.857	ng		97
43) 2,4,6-Trichlorophenol	12.969	196	44680	3.041	ng		97
44) 2,4,5-Trichlorophenol	13.033	196	48379	3.123	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.369	154	237703	4.016	ng		99
47) 2-Chloronaphthalene	13.410	162	171180	3.763	ng		99
48) 2-Nitroaniline	13.616	65	36377	2.902	ng		97
49) Acenaphthylene	14.251	152	267414	3.817	ng		100
50) Dimethylphthalate	13.992	163	184525	3.603	ng		99
51) 2,6-Dinitrotoluene	14.110	165	33124	3.093	ng		91
52) Acenaphthene	14.592	154	161186	3.841	ng		99
53) 3-Nitroaniline	14.439	138	36897	2.862	ng	#	98
55) Dibenzofuran	14.927	168	254854	3.791	ng		96
56) 4-Nitrophenol	14.739	139	24113	2.383	ng		95
57) 2,4-Dinitrotoluene	14.892	165	38484	2.746	ng		97
58) Fluorene	15.574	166	193729	3.670	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.151	232	38354	3.080	ng		94
60) Diethylphthalate	15.351	149	173460	3.418	ng		99
61) 4-Chlorophenyl-phenyle...	15.574	204	91763	3.573	ng		98
62) 4-Nitroaniline	15.592	138	34486	2.612	ng		95
63) Azobenzene	15.862	77	172111	3.303	ng		94
65) 4,6-Dinitro-2-methylph...	15.645	198	14711	2.032	ng		87
66) n-Nitrosodiphenylamine	15.786	169	155478	3.672	ng		99
67) 4-Bromophenyl-phenylether	16.462	248	51590	3.559	ng		97
68) Hexachlorobenzene	16.568	284	63081	3.749	ng		94
69) Atrazine	16.733	200	41695	3.748	ng		99
70) Pentachlorophenol	16.915	266	23793	2.548	ng		96
71) Phenanthrene	17.309	178	293095	3.864	ng		99
72) Anthracene	17.398	178	270347	3.667	ng		98
73) Carbazole	17.674	167	244055	3.263	ng		99
74) Di-n-butylphthalate	18.245	149	223246	2.932	ng		99
75) Fluoranthene	19.321	202	269565	3.270	ng		97
77) Benzidine	19.509	184	80262	3.977	ng		97
78) Pyrene	19.686	202	285591	3.800	ng		100
80) Butylbenzylphthalate	20.592	149	69496	2.590	ng		96
81) Benzo(a)anthracene	21.433	228	259845	3.571	ng		100
82) 3,3'-Dichlorobenzidine	21.368	252	69765	4.093	ng		100
83) Chrysene	21.480	228	252923	3.643	ng		98
84) Bis(2-ethylhexyl)phtha...	21.374	149	96408	2.549	ng		96
85) Di-n-octyl phthalate	22.291	149	141617	2.361	ng		100
87) Indeno(1,2,3-cd)pyrene	26.291	276	253641	3.221	ng		96
88) Benzo(b)fluoranthene	23.097	252	236952m	3.694	ng		
89) Benzo(k)fluoranthene	23.144	252	238346	3.590	ng		98
90) Benzo(a)pyrene	23.715	252	219281	4.016	ng		97
91) Dibenzo(a,h)anthracene	26.315	278	226987	3.469	ng		99
92) Benzo(g,h,i)perylene	27.050	276	223078	3.457	ng		96

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

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