Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071922\
Data File : BM035866.D
Acq On : 19 Jul 2022 16:02
Operator : CG/JU
Sample : N3214-02
Misc : LOQ-SOIL 10ppm
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 19 16:33:39 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 :
LOQ-SOIL-02-QT2-2022

Manual Integrations APPROVED
Reviewed By :Christian Giraldo
07/20/2022
Supervised By :Jagrut Upadhyay
07/20/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.892	152	318409	20.000	ng		0.00
21) Naphthalene-d8	10.704	136	1332104	20.000	ng		0.00
39) Acenaphthene-d10	14.527	164	762580	20.000	ng		0.00
64) Phenanthrene-d10	17.268	188	1438717	20.000	ng		0.00
76) Chrysene-d12	21.445	240	1211204	20.000	ng		0.00
86) Perylene-d12	23.827	264	1168206	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.451	112	2965784	144.401	ng		0.00
7) Phenol-d6	7.063	99	3779149	146.326	ng		0.00
23) Nitrobenzene-d5	9.063	82	1922909	77.204	ng		0.00
42) 2,4,6-Tribromophenol	16.015	330	1240480	145.428	ng		0.00
45) 2-Fluorobiphenyl	13.163	172	4304710	79.792	ng		0.00
79) Terphenyl-d14	19.898	244	5402505	86.785	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	75408	8.883	ng		94
3) Pyridine	3.728	79	195734	8.675	ng		90
4) n-Nitrosodimethylamine	3.640	42	88562	9.393	ng	#	63
6) Aniline	7.222	93	294548	10.385	ng		96
8) 2-Chlorophenol	7.457	128	194949	9.186	ng		95
9) Benzaldehyde	7.034	77	167974m	11.577	ng		
10) Phenol	7.087	94	243370	9.356	ng		92
11) bis(2-Chloroethyl)ether	7.322	93	197481	9.410	ng		95
12) 1,3-Dichlorobenzene	7.781	146	215402	9.099	ng		98
13) 1,4-Dichlorobenzene	7.928	146	222151	9.217	ng		98
14) 1,2-Dichlorobenzene	8.245	146	213544	9.160	ng		99
15) Benzyl Alcohol	8.134	79	149115	8.763	ng		93
16) 2,2'-oxybis(1-Chloropr...	8.428	45	256418	9.385	ng		98
17) 2-Methylphenol	8.339	107	153058	9.064	ng		94
18) Hexachloroethane	8.975	117	77792	8.971	ng		94
19) n-Nitroso-di-n-propyla...	8.704	70	142790	9.536	ng		89
20) 3+4-Methylphenols	8.669	107	197187	8.640	ng		97
22) Acetophenone	8.722	105	295876	8.987	ng	#	93
24) Nitrobenzene	9.104	77	222305	9.503	ng		96
25) Isophorone	9.628	82	384202	9.861	ng	#	97
26) 2-Nitrophenol	9.816	139	81326	7.717	ng		92
27) 2,4-Dimethylphenol	9.875	122	168623	10.144	ng		98
28) bis(2-Chloroethoxy)met...	10.116	93	244912	9.031	ng		99
29) 2,4-Dichlorophenol	10.345	162	154893	8.404	ng		97
30) 1,2,4-Trichlorobenzene	10.563	180	186547	8.770	ng		99
31) Naphthalene	10.751	128	624103	9.221	ng		99
32) Benzoic acid	9.963	122	125748	10.002	ng		88
33) 4-Chloroaniline	10.863	127	255105	9.422	ng		96
34) Hexachlorobutadiene	11.039	225	104726	8.579	ng		98
35) Caprolactam	11.628	113	43985	7.804	ng		95
36) 4-Chloro-3-methylphenol	11.986	107	162463	8.597	ng		99
37) 2-Methylnaphthalene	12.363	142	406418	9.230	ng		96
38) 1-Methylnaphthalene	12.580	142	397399	9.273	ng		96
40) 1,2,4,5-Tetrachloroben...	12.722	216	192084	8.816	ng		99
41) Hexachlorocyclopentadiene	12.704	237	114579	9.757	ng		98
43) 2,4,6-Trichlorophenol	12.963	196	114717	7.966	ng		96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.033	196	121794	8.021	ng	98
46) 1,1'-Biphenyl	13.369	154	526606	9.078	ng	99
47) 2-Chloronaphthalene	13.410	162	399486	8.960	ng	99
48) 2-Nitroaniline	13.616	65	96175	7.828	ng	94
49) Acenaphthylene	14.251	152	650814	9.479	ng	99
50) Dimethylphthalate	13.992	163	436722	8.701	ng	100
51) 2,6-Dinitrotoluene	14.110	165	90810	8.652	ng	96
52) Acenaphthene	14.592	154	369874	8.993	ng	99
53) 3-Nitroaniline	14.433	138	101608	8.041	ng	100
54) 2,4-Dinitrophenol	14.639	184	39538	7.645	ng	91
55) Dibenzofuran	14.927	168	590175	8.957	ng	98
56) 4-Nitrophenol	14.733	139	75429	7.607	ng	89
57) 2,4-Dinitrotoluene	14.892	165	109444	7.968	ng	95
58) Fluorene	15.574	166	461791	8.926	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.151	232	96269	7.887	ng	98
60) Diethylphthalate	15.357	149	429616	8.638	ng	99
61) 4-Chlorophenyl-phenyle...	15.574	204	221562	8.802	ng	96
62) 4-Nitroaniline	15.592	138	100513	7.768	ng	90
63) Azobenzene	15.863	77	439838	8.613	ng	94
65) 4,6-Dinitro-2-methylph...	15.651	198	54817	7.588	ng	97
66) n-Nitrosodiphenylamine	15.786	169	378074	8.949	ng	99
67) 4-Bromophenyl-phenylether	16.462	248	123036	8.507	ng	98
68) Hexachlorobenzene	16.568	284	150030	8.936	ng	94
69) Atrazine	16.733	200	110137	9.921	ng	99
70) Pentachlorophenol	16.915	266	92430	9.921	ng	96
71) Phenanthrene	17.309	178	683432	9.030	ng	99
72) Anthracene	17.404	178	671423	9.127	ng	100
73) Carbazole	17.674	167	621776	8.332	ng	99
74) Di-n-butylphthalate	18.245	149	596892	7.856	ng	99
75) Fluoranthene	19.321	202	698829	8.495	ng	98
77) Benzidine	19.515	184	259147	12.186	ng	99
78) Pyrene	19.686	202	731686	9.239	ng	99
80) Butylbenzylphthalate	20.592	149	200900	7.106	ng	97
81) Benzo(a)anthracene	21.433	228	677384	8.835	ng	99
82) 3,3'-Dichlorobenzidine	21.368	252	210320	11.711	ng	98
83) Chrysene	21.486	228	640289	8.752	ng	99
84) Bis(2-ethylhexyl)phtha...	21.374	149	294687	7.395	ng	100
85) Di-n-octyl phthalate	22.297	149	442514	7.000	ng	98
87) Indeno(1,2,3-cd)pyrene	26.297	276	694459	8.136	ng	98
88) Benzo(b)fluoranthene	23.097	252	629125	9.047	ng	98
89) Benzo(k)fluoranthene	23.144	252	653821	9.086	ng	98
90) Benzo(a)pyrene	23.715	252	602790	10.184	ng	98
91) Dibenzo(a,h)anthracene	26.315	278	617436	8.705	ng	98
92) Benzo(g,h,i)perylene	27.056	276	616189	8.809	ng	99

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

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