Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032122\
Data File : BM034295.D
Acq On : 21 Mar 2022 19:29
Operator : CG/JU
Sample : M4068-01
Misc : LOD-MDL-SOIL 8ppm
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 22 04:10:35 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 16 02:38:26 2022
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/22/2022
Supervised By :Jagrut Upadhyay 03/22/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.942	152	179784	20.000	ng		0.00
21) Naphthalene-d8	10.754	136	726698	20.000	ng		-0.01
39) Acenaphthene-d10	14.583	164	499044	20.000	ng		0.00
64) Phenanthrene-d10	17.324	188	1055061	20.000	ng		0.00
76) Chrysene-d12	21.494	240	1113850	20.000	ng		0.00
86) Perylene-d12	23.906	264	1046318	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.495	112	1099118	109.675	ng		0.00
7) Phenol-d6	7.101	99	1603405	111.746	ng		0.00
23) Nitrobenzene-d5	9.107	82	1217781	81.588	ng		0.00
42) 2,4,6-Tribromophenol	16.065	330	777996	115.662	ng		0.00
45) 2-Fluorobiphenyl	13.213	172	2895713	79.291	ng		0.00
79) Terphenyl-d14	19.942	244	4706423	73.420	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.354	88	33679	7.428	ng		98
3) Pyridine	3.766	79	76048	6.198	ng	#	93
4) n-Nitrosodimethylamine	3.672	42	39116	6.714	ng	#	96
6) Aniline	7.266	93	123830	7.552	ng		99
8) 2-Chlorophenol	7.501	128	80549	6.872	ng		98
9) Benzaldehyde	7.072	77	77628m	10.042	ng		
10) Phenol	7.125	94	99487	6.971	ng		93
11) bis(2-Chloroethyl)ether	7.360	93	82043	7.004	ng		99
12) 1,3-Dichlorobenzene	7.831	146	94337	7.095	ng		98
13) 1,4-Dichlorobenzene	7.978	146	96011	7.053	ng		99
14) 1,2-Dichlorobenzene	8.301	146	89762	6.765	ng		98
15) Benzyl Alcohol	8.184	79	72161	6.319	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.472	45	115552	7.189	ng		98
17) 2-Methylphenol	8.384	107	64457	6.449	ng		97
18) Hexachloroethane	9.036	117	34880	6.948	ng		95
19) n-Nitroso-di-n-propyla...	8.754	70	71544	6.893	ng		97
20) 3+4-Methylphenols	8.713	107	85130	6.159	ng		98
22) Acetophenone	8.766	105	131622	7.058	ng		97
24) Nitrobenzene	9.148	77	105598	7.578	ng		97
25) Isophorone	9.678	82	190263	7.618	ng		96
26) 2-Nitrophenol	9.866	139	38143	6.172	ng		95
27) 2,4-Dimethylphenol	9.925	122	74620	7.711	ng		99
28) bis(2-Chloroethoxy)met...	10.160	93	113546	7.101	ng		99
29) 2,4-Dichlorophenol	10.401	162	70484	6.269	ng		98
30) 1,2,4-Trichlorobenzene	10.619	180	90190	7.057	ng		96
31) Naphthalene	10.807	128	272161	7.189	ng		99
32) Benzoic acid	9.989	122	25434m	3.178	ng		
33) 4-Chloroaniline	10.913	127	95426	6.390	ng		97
34) Hexachlorobutadiene	11.101	225	55575	6.865	ng		95
35) Caprolactam	11.666	113	24894	6.369	ng		98
36) 4-Chloro-3-methylphenol	12.030	107	85654	6.648	ng		95
37) 2-Methylnaphthalene	12.419	142	192228	7.116	ng		99
38) 1-Methylnaphthalene	12.636	142	189979	7.189	ng		99
40) 1,2,4,5-Tetrachloroben...	12.783	216	104068	6.910	ng		99
41) Hexachlorocyclopentadiene	12.771	237	65911	7.559	ng		99
43) 2,4,6-Trichlorophenol	13.019	196	62556	6.016	ng		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.089	196	66892	5.994	ng	96
46) 1,1'-Biphenyl	13.418	154	268236	7.049	ng	99
47) 2-Chloronaphthalene	13.460	162	199035	6.814	ng	96
48) 2-Nitroaniline	13.660	65	52820	5.915	ng	94
49) Acenaphthylene	14.307	152	329051	7.228	ng	99
50) Dimethylphthalate	14.036	163	264075	6.953	ng	99
51) 2,6-Dinitrotoluene	14.148	165	54046	6.937	ng	94
52) Acenaphthene	14.648	154	206959	6.749	ng	97
53) 3-Nitroaniline	14.477	138	44685	5.717	ng	94
54) 2,4-Dinitrophenol	14.683	184	17318	3.968	ng	99
55) Dibenzofuran	14.977	168	316871	6.934	ng	100
56) 4-Nitrophenol	14.783	139	30201	4.766	ng	93
57) 2,4-Dinitrotoluene	14.936	165	70819	6.725	ng	95
58) Fluorene	15.624	166	257497	6.941	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.207	232	62636	6.224	ng	96
60) Diethylphthalate	15.395	149	271328	6.963	ng	99
61) 4-Chlorophenyl-phenyle...	15.618	204	130959	6.914	ng	98
62) 4-Nitroaniline	15.636	138	40838m	5.431	ng	
63) Azobenzene	15.912	77	259940	6.918	ng	99
65) 4,6-Dinitro-2-methylph...	15.695	198	34453	5.022	ng	95
66) n-Nitrosodiphenylamine	15.830	169	223628	6.672	ng	99
67) 4-Bromophenyl-phenylether	16.512	248	80270	6.618	ng	99
68) Hexachlorobenzene	16.630	284	92812	6.861	ng	96
69) Atrazine	16.777	200	80296	7.268	ng	99
70) Pentachlorophenol	16.971	266	51200	5.918	ng	96
71) Phenanthrene	17.365	178	413249	6.994	ng	99
72) Anthracene	17.453	178	407939	7.093	ng	100
73) Carbazole	17.718	167	333859	6.225	ng	99
74) Di-n-butylphthalate	18.289	149	443520	6.652	ng	100
75) Fluoranthene	19.377	202	477981	7.216	ng	99
77) Benzidine	19.559	184	138478m	8.484	ng	
78) Pyrene	19.736	202	505495	6.441	ng	98
80) Butylbenzylphthalate	20.630	149	192980	5.815	ng	98
81) Benzo(a)anthracene	21.477	228	480851	6.840	ng	99
82) 3,3'-Dichlorobenzidine	21.412	252	153827	6.551	ng	96
83) Chrysene	21.530	228	480915	6.699	ng	99
84) Bis(2-ethylhexyl)phtha...	21.406	149	293315	5.985	ng	98
85) Di-n-octyl phthalate	22.336	149	476085	6.120	ng	99
87) Indeno(1,2,3-cd)pyrene	26.418	276	370613	5.506	ng	98
88) Benzo(b)fluoranthene	23.171	252	439696	7.028	ng	98
89) Benzo(k)fluoranthene	23.218	252	482666	7.282	ng	99
90) Benzo(a)pyrene	23.800	252	401500	7.570	ng	99
91) Dibenzo(a,h)anthracene	26.441	278	321490	5.891	ng	98
92) Benzo(g,h,i)perylene	27.182	276	344727	6.102	ng	98

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

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