Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031622\
Data File : BM034253.D
Acq On : 16 Mar 2022 11:14
Operator : CG/JU
Sample : N1645-01
Misc : LOD-MDL-SOIL 4ppn
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 16 12:54:34 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-QT1-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.948	152	169538	20.000	ng		0.00
21) Naphthalene-d8	10.760	136	706743	20.000	ng		0.00
39) Acenaphthene-d10	14.589	164	489101	20.000	ng		0.00
64) Phenanthrene-d10	17.324	188	1010587	20.000	ng		0.00
76) Chrysene-d12	21.494	240	887272	20.000	ng		0.00
86) Perylene-d12	23.906	264	756381	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.496	112	1375106	145.507	ng		0.00
7) Phenol-d6	7.107	99	1914949	141.524	ng		0.00
23) Nitrobenzene-d5	9.113	82	1127258	77.656	ng		0.00
42) 2,4,6-Tribromophenol	16.071	330	978176	148.378	ng		0.00
45) 2-Fluorobiphenyl	13.219	172	2779443	77.654	ng		0.00
79) Terphenyl-d14	19.942	244	4339795	84.989	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.354	88	16289	3.810	ng		92
3) Pyridine	3.772	79	34862	3.013	ng	#	86
4) n-Nitrosodimethylamine	3.672	42	19068	3.471	ng	#	99
6) Aniline	7.266	93	57263	3.703	ng		98
8) 2-Chlorophenol	7.507	128	37456	3.389	ng		91
9) Benzaldehyde	7.078	77	38713m	5.310	ng		
10) Phenol	7.131	94	46145	3.429	ng		87
11) bis(2-Chloroethyl)ether	7.366	93	40183	3.638	ng		99
12) 1,3-Dichlorobenzene	7.837	146	43691	3.485	ng		95
13) 1,4-Dichlorobenzene	7.984	146	43755	3.409	ng		100
14) 1,2-Dichlorobenzene	8.301	146	42967	3.434	ng		98
15) Benzyl Alcohol	8.184	79	33336	3.096	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.484	45	54281	3.581	ng		99
17) 2-Methylphenol	8.389	107	30257	3.210	ng		97
18) Hexachloroethane	9.036	117	16608	3.508	ng		90
19) n-Nitroso-di-n-propyla...	8.754	70	33133	3.385	ng		98
20) 3+4-Methylphenols	8.719	107	39110	3.000	ng		97
22) Acetophenone	8.772	105	64858	3.576	ng	#	95
24) Nitrobenzene	9.148	77	52989	3.910	ng		99
25) Isophorone	9.678	82	89128	3.669	ng		97
26) 2-Nitrophenol	9.866	139	16838	2.802	ng		93
27) 2,4-Dimethylphenol	9.931	122	35197	3.740	ng		97
28) bis(2-Chloroethoxy)met...	10.166	93	51433	3.307	ng		98
29) 2,4-Dichlorophenol	10.407	162	31877	2.915	ng		96
30) 1,2,4-Trichlorobenzene	10.625	180	42403	3.412	ng		95
31) Naphthalene	10.813	128	126805	3.444	ng		99
32) Benzoic acid	9.983	122	12606m	1.620	ng		
33) 4-Chloroaniline	10.919	127	44533	3.066	ng		98
34) Hexachlorobutadiene	11.107	225	26841	3.409	ng		96
35) Caprolactam	11.672	113	9979m	2.625	ng		
36) 4-Chloro-3-methylphenol	12.036	107	37580	2.999	ng		99
37) 2-Methylnaphthalene	12.419	142	90358	3.439	ng		99
38) 1-Methylnaphthalene	12.636	142	90453	3.520	ng		99
40) 1,2,4,5-Tetrachloroben...	12.789	216	50314	3.409	ng		99
41) Hexachlorocyclopentadiene	12.777	237	30790	3.603	ng		96
43) 2,4,6-Trichlorophenol	13.019	196	28399	2.787	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.089	196	30232	2.764	ng		92
46) 1,1'-Biphenyl	13.424	154	129792	3.480	ng		98
47) 2-Chloronaphthalene	13.466	162	95339	3.331	ng		96
48) 2-Nitroaniline	13.660	65	21691	2.479	ng		86
49) Acenaphthylene	14.307	152	154875	3.471	ng		100
50) Dimethylphthalate	14.042	163	124550	3.346	ng		99
51) 2,6-Dinitrotoluene	14.154	165	23390	3.063	ng		91
52) Acenaphthene	14.648	154	95802	3.188	ng		97
53) 3-Nitroaniline	14.483	138	17654	2.305	ng		91
54) 2,4-Dinitrophenol	14.689	184	5612	1.312	ng	#	82
55) Dibenzofuran	14.983	168	149963	3.348	ng		98
56) 4-Nitrophenol	14.789	139	10104m	1.627	ng		
57) 2,4-Dinitrotoluene	14.936	165	27916	2.705	ng		94
58) Fluorene	15.630	166	119378	3.283	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.207	232	28746	2.914	ng		98
60) Diethylphthalate	15.401	149	126475	3.312	ng		99
61) 4-Chlorophenyl-phenyle...	15.624	204	62926	3.390	ng		97
62) 4-Nitroaniline	15.642	138	14973m	2.032	ng		
63) Azobenzene	15.918	77	116333	3.159	ng		99
65) 4,6-Dinitro-2-methylph...	15.701	198	12606	1.918	ng		97
66) n-Nitrosodiphenylamine	15.836	169	101797	3.171	ng		99
67) 4-Bromophenyl-phenylether	16.518	248	38147	3.284	ng		97
68) Hexachlorobenzene	16.636	284	44965	3.470	ng		97
69) Atrazine	16.777	200	36226	3.423	ng		97
70) Pentachlorophenol	16.977	266	21872m	2.639	ng		
71) Phenanthrene	17.365	178	188908	3.338	ng		99
72) Anthracene	17.459	178	182011	3.304	ng		100
73) Carbazole	17.724	167	136911	2.665	ng		96
74) Di-n-butylphthalate	18.295	149	190706	2.986	ng		99
75) Fluoranthene	19.377	202	205452	3.238	ng		99
77) Benzidine	19.565	184	36652m	2.819	ng		
78) Pyrene	19.736	202	216714	3.467	ng		99
80) Butylbenzylphthalate	20.630	149	72184	2.730	ng		98
81) Benzo(a)anthracene	21.477	228	181905	3.248	ng		99
82) 3,3'-Dichlorobenzidine	21.412	252	45949	2.457	ng		99
83) Chrysene	21.530	228	191751	3.353	ng		99
84) Bis(2-ethylhexyl)phtha...	21.412	149	104945	2.688	ng		96
85) Di-n-octyl phthalate	22.336	149	155876	2.515	ng	#	99
87) Indeno(1,2,3-cd)pyrene	26.424	276	122738	2.523	ng	#	88
88) Benzo(b)fluoranthene	23.171	252	144413	3.193	ng		99
89) Benzo(k)fluoranthene	23.218	252	158297	3.304	ng		99
90) Benzo(a)pyrene	23.800	252	131159	3.421	ng		97
91) Dibenzo(a,h)anthracene	26.441	278	101105	2.563	ng		98
92) Benzo(g,h,i)perylene	27.194	276	119377	2.923	ng		97

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

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