Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
Data File : BM034307.D
Acq On : 22 Mar 2022 12:46
Operator : CG/JU
Sample : M4068-03
Misc : MDL-MDL-SOIL 4ppm
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 22 14:40:09 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 22 14:39:10 2022
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.942	152	126572	20.000	ng		0.00
21) Naphthalene-d8	10.754	136	530862	20.000	ng		-0.01
39) Acenaphthene-d10	14.577	164	364708	20.000	ng		-0.01
64) Phenanthrene-d10	17.318	188	770186	20.000	ng		-0.01
76) Chrysene-d12	21.489	240	839130	20.000	ng		-0.01
86) Perylene-d12	23.900	264	900956	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.490	112	790851	112.091	ng		-0.01
7) Phenol-d6	7.095	99	1174876	116.304	ng		-0.01
23) Nitrobenzene-d5	9.101	82	938070	86.033	ng		-0.01
42) 2,4,6-Tribromophenol	16.065	330	570293	116.012	ng		0.00
45) 2-Fluorobiphenyl	13.213	172	2191405	82.108	ng		0.00
79) Terphenyl-d14	19.936	244	3682322	76.251	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.349	88	11164	3.497	ng	#	90
3) Pyridine	3.772	79	25641m	2.968	ng		
4) n-Nitrosodimethylamine	3.672	42	15544	3.790	ng	#	90
6) Aniline	7.260	93	44942	3.893	ng		97
8) 2-Chlorophenol	7.501	128	29304	3.551	ng		95
9) Benzaldehyde	7.072	77	29671m	5.452	ng		
10) Phenol	7.125	94	35259	3.509	ng		95
11) bis(2-Chloroethyl)ether	7.360	93	30876	3.744	ng		98
12) 1,3-Dichlorobenzene	7.831	146	34300	3.664	ng		96
13) 1,4-Dichlorobenzene	7.978	146	34589	3.609	ng		99
14) 1,2-Dichlorobenzene	8.295	146	33027	3.535	ng		97
15) Benzyl Alcohol	8.178	79	25678	3.194	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.478	45	43898	3.879	ng		98
17) 2-Methylphenol	8.384	107	22748	3.233	ng		90
18) Hexachloroethane	9.031	117	12522	3.543	ng		97
19) n-Nitroso-di-n-propyla...	8.748	70	25943	3.550	ng	#	93
20) 3+4-Methylphenols	8.707	107	31003	3.186	ng		89
22) Acetophenone	8.766	105	48377	3.551	ng	#	96
24) Nitrobenzene	9.142	77	43015m	4.225	ng		
25) Isophorone	9.672	82	66673	3.654	ng		98
26) 2-Nitrophenol	9.860	139	12232	2.710	ng		97
27) 2,4-Dimethylphenol	9.919	122	25775	3.646	ng		98
28) bis(2-Chloroethoxy)met...	10.160	93	39879	3.414	ng		97
29) 2,4-Dichlorophenol	10.401	162	22778	2.773	ng		96
30) 1,2,4-Trichlorobenzene	10.619	180	32455	3.476	ng		97
31) Naphthalene	10.801	128	100879	3.648	ng		99
33) 4-Chloroaniline	10.913	127	33804	3.099	ng		97
34) Hexachlorobutadiene	11.101	225	21029	3.556	ng		98
35) Caprolactam	11.660	113	7618	2.668	ng	#	83
36) 4-Chloro-3-methylphenol	12.030	107	27679	2.941	ng		98
37) 2-Methylnaphthalene	12.413	142	69726	3.533	ng		99
38) 1-Methylnaphthalene	12.630	142	70081	3.630	ng		99
40) 1,2,4,5-Tetrachloroben...	12.783	216	38346	3.484	ng		98
41) Hexachlorocyclopentadiene	12.766	237	21842	3.427	ng		98
43) 2,4,6-Trichlorophenol	13.019	196	19950	2.625	ng		99
44) 2,4,5-Trichlorophenol	13.089	196	23940	2.935	ng		91

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.419	154	100818	3.625	ng		99
47) 2-Chloronaphthalene	13.460	162	74053	3.469	ng		96
48) 2-Nitroaniline	13.660	65	16633	2.549	ng		90
49) Acenaphthylene	14.301	152	116107	3.490	ng		98
50) Dimethylphthalate	14.036	163	95096	3.426	ng		100
51) 2,6-Dinitrotoluene	14.148	165	16890	2.967	ng		91
52) Acenaphthene	14.642	154	75539	3.371	ng		95
53) 3-Nitroaniline	14.477	138	12555	2.198	ng	#	91
55) Dibenzofuran	14.977	168	114226	3.420	ng		98
57) 2,4-Dinitrotoluene	14.936	165	21500	2.794	ng	#	98
58) Fluorene	15.624	166	91724	3.383	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.201	232	21011	2.857	ng		95
60) Diethylphthalate	15.395	149	97730	3.432	ng		98
61) 4-Chlorophenyl-phenyle...	15.618	204	47543	3.435	ng		98
62) 4-Nitroaniline	15.630	138	11761m	2.140	ng		
63) Azobenzene	15.907	77	91365	3.327	ng		98
66) n-Nitrosodiphenylamine	15.830	169	78989	3.228	ng		98
67) 4-Bromophenyl-phenylether	16.512	248	29081	3.285	ng		96
68) Hexachlorobenzene	16.630	284	35236	3.568	ng		99
69) Atrazine	16.777	200	27445	3.403	ng		98
70) Pentachlorophenol	16.971	266	15990	2.532	ng		93
71) Phenanthrene	17.359	178	153002	3.547	ng		99
72) Anthracene	17.454	178	147034	3.502	ng		99
73) Carbazole	17.718	167	115446	2.949	ng		99
74) Di-n-butylphthalate	18.289	149	149282	3.067	ng		99
75) Fluoranthene	19.371	202	171341	3.544	ng		98
77) Benzidine	19.589	184	43976m	3.576	ng		
78) Pyrene	19.736	202	183703	3.107	ng		99
80) Butylbenzylphthalate	20.624	149	63528	2.541	ng		99
81) Benzo(a)anthracene	21.477	228	179302	3.385	ng		99
82) 3,3'-Dichlorobenzidine	21.412	252	54201	3.064	ng		96
83) Chrysene	21.524	228	186611	3.450	ng		97
84) Bis(2-ethylhexyl)phtha...	21.406	149	97707	2.646	ng		99
85) Di-n-octyl phthalate	22.330	149	170318	2.906	ng		99
87) Indeno(1,2,3-cd)pyrene	26.412	276	161302	2.783	ng		99
88) Benzo(b)fluoranthene	23.165	252	175124	3.251	ng		99
89) Benzo(k)fluoranthene	23.212	252	195741	3.430	ng		99
90) Benzo(a)pyrene	23.794	252	162302	3.554	ng		100
91) Dibenzo(a,h)anthracene	26.435	278	143810m	3.060	ng		
92) Benzo(g,h,i)perylene	27.176	276	167204	3.437	ng		99

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

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