Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021224\
Data File : BM044058.D
Acq On : 12 Feb 2024 15:54
Operator : MA/JU
Sample : 04699-03
Misc : MDL-MDL-SOIL-4PPM
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 12 16:47:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 09 02:42:01 2024
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2023

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/14/2024
Supervised By :mohammad ahmed 02/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.904	152	415397	20.000	ng		0.00
21) Naphthalene-d8	10.710	136	2043086	20.000	ng		0.00
39) Acenaphthene-d10	14.551	164	1279199	20.000	ng		0.00
64) Phenanthrene-d10	17.298	188	2524660	20.000	ng		0.00
76) Chrysene-d12	21.503	240	1968145	20.000	ng		0.00
86) Perylene-d12	23.897	264	2074183	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.475	112	4021265	140.797	ng		0.00
7) Phenol-d6	7.075	99	5738710	157.921	ng		0.00
23) Nitrobenzene-d5	9.075	82	3155198	81.948	ng		0.00
42) 2,4,6-Tribromophenol	16.045	330	1868773	134.927	ng		0.00
45) 2-Fluorobiphenyl	13.180	172	7118480	78.537	ng		0.00
79) Terphenyl-d14	19.945	244	8926578	79.509	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.387	88	46925	4.140	ng		99
3) Pyridine	3.793	79	115840	3.871	ng		96
4) n-Nitrosodimethylamine	3.710	42	46545	4.099	ng	#	91
6) Aniline	7.239	93	183178	5.127	ng		95
8) 2-Chlorophenol	7.463	128	116629	3.910	ng		95
9) Benzaldehyde	7.051	77	105579m	5.654	ng		
10) Phenol	7.098	94	174049	4.746	ng		91
11) bis(2-Chloroethyl)ether	7.339	93	129819	4.275	ng		99
12) 1,3-Dichlorobenzene	7.792	146	122794	3.626	ng		99
13) 1,4-Dichlorobenzene	7.939	146	124752	3.655	ng		98
14) 1,2-Dichlorobenzene	8.257	146	121064	3.722	ng		99
15) Benzyl Alcohol	8.151	79	109688m	4.636	ng		
16) 2,2'-oxybis(1-Chloropr...	8.439	45	179437	4.661	ng		98
17) 2-Methylphenol	8.351	107	102980	4.278	ng		98
18) Hexachloroethane	8.975	117	45065	3.526	ng		98
19) n-Nitroso-di-n-propyla...	8.722	70	106965	4.794	ng		98
20) 3+4-Methylphenols	8.681	107	140143	4.230	ng		97
22) Acetophenone	8.733	105	212531	4.098	ng	#	96
24) Nitrobenzene	9.116	77	157621	3.998	ng		98
25) Isophorone	9.639	82	277735	3.746	ng		99
26) 2-Nitrophenol	9.828	139	56729	3.103	ng		99
27) 2,4-Dimethylphenol	9.886	122	101205	4.330	ng		100
28) bis(2-Chloroethoxy)met...	10.133	93	190927	3.982	ng		99
29) 2,4-Dichlorophenol	10.351	162	107997	3.509	ng		97
30) 1,2,4-Trichlorobenzene	10.569	180	121524	3.512	ng		98
31) Naphthalene	10.757	128	414367	3.675	ng		99
32) Benzoic acid	9.945	122	46345m	1.968	ng		
33) 4-Chloroaniline	10.880	127	168667	3.950	ng		99
34) Hexachlorobutadiene	11.033	225	68008	3.434	ng		94
35) Caprolactam	11.645	113	30318	3.062	ng		96
36) 4-Chloro-3-methylphenol	11.998	107	114021	3.422	ng		99
37) 2-Methylnaphthalene	12.369	142	286491	3.814	ng		99
38) 1-Methylnaphthalene	12.586	142	280083	3.795	ng		99
40) 1,2,4,5-Tetrachloroben...	12.733	216	139101	3.741	ng		99
41) Hexachlorocyclopentadiene	12.704	237	61169	3.770	ng		96
43) 2,4,6-Trichlorophenol	12.980	196	77235	3.052	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.045	196	87766	3.161	ng		95
46) 1,1'-Biphenyl	13.386	154	384946	3.814	ng		99
47) 2-Chloronaphthalene	13.421	162	290106	3.628	ng		98
48) 2-Nitroaniline	13.633	65	68254	3.034	ng		92
49) Acenaphthylene	14.268	152	465605	3.903	ng		100
50) Dimethylphthalate	14.016	163	350758	3.698	ng		99
51) 2,6-Dinitrotoluene	14.139	165	64862	3.100	ng		94
52) Acenaphthene	14.610	154	270688	3.666	ng		98
53) 3-Nitroaniline	14.463	138	65048	2.892	ng		93
54) 2,4-Dinitrophenol	14.668	184	19686	7.046	ng		93
55) Dibenzofuran	14.945	168	444984	3.894	ng		99
56) 4-Nitrophenol	14.768	139	42665	2.334	ng		83
57) 2,4-Dinitrotoluene	14.921	165	76298	2.790	ng	#	92
58) Fluorene	15.598	166	343449	3.890	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.174	232	75064	3.445	ng		99
60) Diethylphthalate	15.380	149	341352	3.482	ng		99
61) 4-Chlorophenyl-phenyle...	15.598	204	165830	3.876	ng		99
62) 4-Nitroaniline	15.627	138	58738	2.595	ng		97
63) Azobenzene	15.892	77	324656	3.530	ng		97
65) 4,6-Dinitro-2-methylph...	15.680	198	31188	2.073	ng		97
66) n-Nitrosodiphenylamine	15.815	169	279804	3.648	ng		99
67) 4-Bromophenyl-phenylether	16.498	248	86051	3.447	ng		97
68) Hexachlorobenzene	16.592	284	112748	3.687	ng		99
69) Atrazine	16.774	200	85955	4.139	ng		98
70) Pentachlorophenol	16.945	266	48964	2.462	ng		95
71) Phenanthrene	17.339	178	520721	3.906	ng		100
72) Anthracene	17.433	178	491982	3.728	ng		98
73) Carbazole	17.709	167	442093	3.444	ng		99
74) Di-n-butylphthalate	18.286	149	508941	3.050	ng		98
75) Fluoranthene	19.362	202	520218	3.474	ng		99
77) Benzidine	19.562	184	28659m	0.937	ng		
78) Pyrene	19.727	202	539383	3.558	ng		99
80) Butylbenzylphthalate	20.650	149	177217	2.630	ng		97
81) Benzo(a)anthracene	21.486	228	497976	3.637	ng		99
82) 3,3'-Dichlorobenzidine	21.427	252	139104	3.097	ng		99
83) Chrysene	21.539	228	473679	3.662	ng		99
84) Bis(2-ethylhexyl)phtha...	21.433	149	271154	2.728	ng		99
85) Di-n-octyl phthalate	22.374	149	405954	2.338	ng		96
87) Indeno(1,2,3-cd)pyrene	26.374	276	499510	3.403	ng		100
88) Benzo(b)fluoranthene	23.168	252	463221	3.573	ng		99
89) Benzo(k)fluoranthene	23.215	252	439661	3.569	ng		99
90) Benzo(a)pyrene	23.785	252	376498	3.324	ng		99
91) Dibenzo(a,h)anthracene	26.397	278	423531	3.449	ng		99
92) Benzo(g,h,i)perylene	27.138	276	411535	3.305	ng		98

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

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