Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012323\
Data File : BM038512.D
Acq On : 23 Jan 2023 16:56
Operator : CG/JU
Sample : N4955-02
Misc : LOQ-SOIL 5ppm
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 24 05:14:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 21 01:21:49 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Manual Integrations APPROVED
Reviewed By :Christian Giraldo
01/24/2023
Supervised By :Jagrut Upadhyay
01/24/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.963	152	70414	20.000	ng		0.00
21) Naphthalene-d8	10.774	136	233799	20.000	ng		0.00
39) Acenaphthene-d10	14.598	164	146347	20.000	ng		0.00
64) Phenanthrene-d10	17.345	188	334618	20.000	ng		0.00
76) Chrysene-d12	21.515	240	371309	20.000	ng		0.00
86) Perylene-d12	23.927	264	463050	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	460000	107.995	ng		0.00
7) Phenol-d6	7.128	99	588019	108.200	ng		0.00
23) Nitrobenzene-d5	9.139	82	382746	71.090	ng		0.00
42) 2,4,6-Tribromophenol	16.086	330	264255	125.391	ng		0.00
45) 2-Fluorobiphenyl	13.227	172	866444	72.930	ng		0.00
79) Terphenyl-d14	19.956	244	1348150	70.783	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.375	88	9096	4.553	ng		97
3) Pyridine	3.810	79	22089m	4.210	ng		
4) n-Nitrosodimethylamine	3.704	42	12308	4.941	ng	#	92
6) Aniline	7.292	93	33869	5.021	ng	#	96
8) 2-Chlorophenol	7.528	128	23512	5.404	ng		97
9) Benzaldehyde	7.110	77	20625m	6.398	ng		
10) Phenol	7.151	94	29777	5.483	ng		87
11) bis(2-Chloroethyl)ether	7.386	93	23148	5.402	ng		95
12) 1,3-Dichlorobenzene	7.851	146	27055	5.469	ng		96
13) 1,4-Dichlorobenzene	7.998	146	28246	5.651	ng		96
14) 1,2-Dichlorobenzene	8.316	146	27384	5.656	ng		97
15) Benzyl Alcohol	8.216	79	20778	5.114	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.492	45	24445	5.433	ng		98
17) 2-Methylphenol	8.410	107	18018	4.688	ng		95
18) Hexachloroethane	9.045	117	10347	5.568	ng		96
19) n-Nitroso-di-n-propyla...	8.775	70	18144	4.737	ng		96
20) 3+4-Methylphenols	8.745	107	23632	4.588	ng		97
22) Acetophenone	8.798	105	29745	4.618	ng		95
24) Nitrobenzene	9.180	77	31580	5.797	ng		97
25) Isophorone	9.704	82	45093	5.075	ng	#	97
26) 2-Nitrophenol	9.892	139	10316	4.771	ng		93
27) 2,4-Dimethylphenol	9.945	122	12633	3.510	ng		93
28) bis(2-Chloroethoxy)met...	10.186	93	27041	5.203	ng		96
29) 2,4-Dichlorophenol	10.427	162	20181	4.780	ng		94
30) 1,2,4-Trichlorobenzene	10.633	180	26602	5.510	ng		96
31) Naphthalene	10.827	128	65154	5.130	ng		98
32) Benzoic acid	10.027	122	5989m	7.467	ng		
33) 4-Chloroaniline	10.951	127	24793	4.677	ng		96
34) Hexachlorobutadiene	11.104	225	18383	5.788	ng		97
35) Caprolactam	11.727	113	3525m	3.444	ng		
36) 4-Chloro-3-methylphenol	12.063	107	18636	4.854	ng		96
37) 2-Methylnaphthalene	12.433	142	44267	4.850	ng		95
38) 1-Methylnaphthalene	12.651	142	42037	4.883	ng		95
40) 1,2,4,5-Tetrachloroben...	12.798	216	25820	4.690	ng		96
41) Hexachlorocyclopentadiene	12.768	237	12863	4.251	ng		99
43) 2,4,6-Trichlorophenol	13.039	196	17608	4.997	ng		96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.115	196	19408	4.702	ng		98
46) 1,1'-Biphenyl	13.439	154	53130	4.533	ng		98
47) 2-Chloronaphthalene	13.480	162	49929	5.457	ng		96
48) 2-Nitroaniline	13.698	65	11083	4.125	ng		99
49) Acenaphthylene	14.321	152	69550	4.859	ng		99
50) Dimethylphthalate	14.057	163	57187	5.076	ng		98
51) 2,6-Dinitrotoluene	14.186	165	11276	4.756	ng		97
52) Acenaphthene	14.662	154	44378	5.083	ng		98
53) 3-Nitroaniline	14.515	138	9884	4.195	ng	#	93
54) 2,4-Dinitrophenol	14.733	184	6120	7.965	ng		98
55) Dibenzofuran	14.998	168	74783	5.124	ng		97
56) 4-Nitrophenol	14.827	139	7242	3.733	ng	#	82
57) 2,4-Dinitrotoluene	14.974	165	14163	4.407	ng	#	99
58) Fluorene	15.645	166	58612	4.952	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.221	232	17317	5.133	ng	#	96
60) Diethylphthalate	15.415	149	54398	4.931	ng		100
61) 4-Chlorophenyl-phenyle...	15.639	204	32105	5.167	ng		98
62) 4-Nitroaniline	15.680	138	8992	6.481	ng		98
63) Azobenzene	15.927	77	53685	4.593	ng		98
65) 4,6-Dinitro-2-methylph...	15.733	198	8727	4.018	ng		97
66) n-Nitrosodiphenylamine	15.851	169	48961	4.874	ng		99
67) 4-Bromophenyl-phenylether	16.533	248	18607	5.013	ng		95
68) Hexachlorobenzene	16.645	284	23017	5.747	ng		98
69) Atrazine	16.803	200	14890	4.443	ng		98
70) Pentachlorophenol	16.992	266	12230	4.289	ng		96
71) Phenanthrene	17.386	178	94656	5.065	ng		99
72) Anthracene	17.474	178	90732	4.772	ng		99
73) Carbazole	17.750	167	81506	4.867	ng		98
74) Di-n-butylphthalate	18.297	149	82028	4.459	ng		99
75) Fluoranthene	19.397	202	112059	4.990	ng		97
77) Benzidine	19.586	184	31246	3.693	ng		98
78) Pyrene	19.756	202	121108	4.684	ng		99
80) Butylbenzylphthalate	20.644	149	36320	4.062	ng		97
81) Benzo(a)anthracene	21.503	228	134578	5.115	ng		99
82) 3,3'-Dichlorobenzidine	21.438	252	39217	4.640	ng		97
83) Chrysene	21.556	228	130167	5.059	ng		99
84) Bis(2-ethylhexyl)phtha...	21.415	149	53783	4.151	ng		97
85) Di-n-octyl phthalate	22.338	149	93276	4.049	ng		100
87) Indeno(1,2,3-cd)pyrene	26.444	276	179761	5.246	ng		98
88) Benzo(b)fluoranthene	23.191	252	147235	5.271	ng		99
89) Benzo(k)fluoranthene	23.238	252	150361m	5.202	ng		
90) Benzo(a)pyrene	23.821	252	132733	4.793	ng		97
91) Dibenzo(a,h)anthracene	26.456	278	154883	5.430	ng		97
92) Benzo(g,h,i)perylene	27.220	276	156883	5.370	ng		96

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

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