Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012523\
Data File : BM038528.D
Acq On : 25 Jan 2023 12:13
Operator : CG/JU
Sample : N4955-03
Misc : MDL-MDL-SOIL 4ppm
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 25 23:13:46 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 :
MDL-SOIL-03-QT4-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/26/2023
Supervised By :Jagrut Upadhyay 01/26/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.963	152	53329	20.000	ng		0.00
21) Naphthalene-d8	10.775	136	168031	20.000	ng		0.00
39) Acenaphthene-d10	14.598	164	109627	20.000	ng		0.00
64) Phenanthrene-d10	17.339	188	259940	20.000	ng		0.00
76) Chrysene-d12	21.515	240	304095	20.000	ng	#	0.00
86) Perylene-d12	23.927	264	400394	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	362701	112.432	ng		0.00
7) Phenol-d6	7.128	99	449594	109.233	ng		0.00
23) Nitrobenzene-d5	9.139	82	297449	76.871	ng		0.00
42) 2,4,6-Tribromophenol	16.086	330	211746	134.130	ng		0.00
45) 2-Fluorobiphenyl	13.227	172	667391	74.991	ng		0.00
79) Terphenyl-d14	19.956	244	1196056	76.678	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.375	88	5369	3.548	ng	#	93
3) Pyridine	3.822	79	8202m	2.064	ng		
4) n-Nitrosodimethylamine	3.710	42	6349	3.366	ng	#	69
6) Aniline	7.298	93	16044	3.140	ng		93
8) 2-Chlorophenol	7.522	128	11417	3.464	ng		93
9) Benzaldehyde	7.110	77	12022m	4.924	ng		
10) Phenol	7.151	94	14966	3.639	ng		88
11) bis(2-Chloroethyl)ether	7.392	93	10826	3.336	ng		96
12) 1,3-Dichlorobenzene	7.851	146	12801	3.417	ng		94
13) 1,4-Dichlorobenzene	7.998	146	13111	3.463	ng		95
14) 1,2-Dichlorobenzene	8.316	146	12784	3.487	ng		92
15) Benzyl Alcohol	8.216	79	9630	3.129	ng		90
16) 2,2'-oxybis(1-Chloropr...	8.486	45	11860	3.480	ng		97
17) 2-Methylphenol	8.416	107	8117	2.788	ng		95
18) Hexachloroethane	9.045	117	4885	3.471	ng		93
19) n-Nitroso-di-n-propyla...	8.775	70	8420	2.836	ng		95
20) 3+4-Methylphenols	8.745	107	10610	2.720	ng		90
22) Acetophenone	8.798	105	16729	3.614	ng	#	97
24) Nitrobenzene	9.181	77	15995	4.085	ng		98
25) Isophorone	9.704	82	21310	3.337	ng		98
26) 2-Nitrophenol	9.898	139	4423	2.846	ng		93
27) 2,4-Dimethylphenol	9.951	122	7646	2.956	ng		84
28) bis(2-Chloroethoxy)met...	10.186	93	12359	3.308	ng		97
29) 2,4-Dichlorophenol	10.433	162	9243	3.046	ng		98
30) 1,2,4-Trichlorobenzene	10.639	180	12547	3.616	ng	#	94
31) Naphthalene	10.827	128	30071	3.294	ng		100
32) Benzoic acid	10.033	122	2945m	6.874	ng		
33) 4-Chloroaniline	10.951	127	11091	2.911	ng		96
34) Hexachlorobutadiene	11.098	225	8637	3.784	ng		90
35) Caprolactam	11.727	113	1797	2.443	ng	#	54
36) 4-Chloro-3-methylphenol	12.063	107	8438	3.058	ng		94
37) 2-Methylnaphthalene	12.433	142	19978	3.045	ng	#	94
38) 1-Methylnaphthalene	12.651	142	19473	3.147	ng	#	94
40) 1,2,4,5-Tetrachloroben...	12.798	216	14456	3.506	ng		98
41) Hexachlorocyclopentadiene	12.763	237	7349	3.242	ng		96
43) 2,4,6-Trichlorophenol	13.039	196	8047	3.048	ng		96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	9060	2.930	ng		94
46) 1,1'-Biphenyl	13.439	154	29381	3.346	ng		99
47) 2-Chloronaphthalene	13.480	162	22827	3.331	ng		96
48) 2-Nitroaniline	13.692	65	5661	2.813	ng	#	84
49) Acenaphthylene	14.321	152	31395	2.928	ng		98
50) Dimethylphthalate	14.057	163	27175	3.220	ng		98
51) 2,6-Dinitrotoluene	14.186	165	4717	2.656	ng		85
52) Acenaphthene	14.663	154	20768	3.176	ng		95
53) 3-Nitroaniline	14.521	138	4553	2.580	ng		99
54) 2,4-Dinitrophenol	14.727	184	2283	6.411	ng		91
55) Dibenzofuran	14.998	168	35431	3.241	ng		96
56) 4-Nitrophenol	14.833	139	3231m	2.223	ng		
57) 2,4-Dinitrotoluene	14.974	165	6254	2.598	ng	#	91
58) Fluorene	15.645	166	27169	3.064	ng		95
59) 2,3,4,6-Tetrachlorophenol	15.221	232	7601	3.008	ng	#	95
60) Diethylphthalate	15.410	149	25936	3.138	ng		98
61) 4-Chlorophenyl-phenyle...	15.639	204	15021	3.227	ng		98
62) 4-Nitroaniline	15.680	138	3930	5.201	ng		95
63) Azobenzene	15.927	77	26555	3.033	ng		97
65) 4,6-Dinitro-2-methylph...	15.733	198	3937	2.333	ng		98
66) n-Nitrosodiphenylamine	15.851	169	23565	3.020	ng		99
67) 4-Bromophenyl-phenylether	16.527	248	8988	3.117	ng		91
68) Hexachlorobenzene	16.645	284	11339	3.644	ng		92
69) Atrazine	16.798	200	8132	3.124	ng		96
70) Pentachlorophenol	16.992	266	5404	2.439	ng		94
71) Phenanthrene	17.380	178	47043	3.241	ng		97
72) Anthracene	17.474	178	44524	3.014	ng		100
73) Carbazole	17.751	167	37311	2.868	ng		98
74) Di-n-butylphthalate	18.298	149	40379	2.825	ng		98
75) Fluoranthene	19.392	202	53309	3.056	ng		98
77) Benzidine	19.586	184	21321	3.077	ng		96
78) Pyrene	19.756	202	57699	2.725	ng		99
80) Butylbenzylphthalate	20.644	149	18651	2.547	ng		98
81) Benzo(a)anthracene	21.497	228	70176	3.257	ng		99
82) 3,3'-Dichlorobenzidine	21.433	252	23558	3.404	ng	#	99
83) Chrysene	21.550	228	68842	3.267	ng		97
84) Bis(2-ethylhexyl)phtha...	21.409	149	26878	2.533	ng	#	93
85) Di-n-octyl phthalate	22.338	149	48824	2.588	ng	#	96
87) Indeno(1,2,3-cd)pyrene	26.432	276	94245	3.181	ng		97
88) Benzo(b)fluoranthene	23.185	252	76701m	3.176	ng		
89) Benzo(k)fluoranthene	23.238	252	76752	3.071	ng		99
90) Benzo(a)pyrene	23.815	252	69028	2.883	ng		98
91) Dibenzo(a,h)anthracene	26.444	278	82670	3.352	ng		93
92) Benzo(g,h,i)perylene	27.209	276	87398	3.460	ng		98

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

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