Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032023\
Data File : BM039039.D
Acq On : 20 Mar 2023 11:38
Operator : CG/JU
Sample : 01627-03
Misc : MDL-MDL-SOIL 4ppm
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 21 04:04:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 17 05:25:34 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/21/2023
Supervised By :Jagrut Upadhyay 03/21/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.975	152	355305	20.000	ng		0.00
21) Naphthalene-d8	10.786	136	1466860	20.000	ng		0.00
39) Acenaphthene-d10	14.610	164	916518	20.000	ng		0.00
64) Phenanthrene-d10	17.357	188	1935634	20.000	ng		0.00
76) Chrysene-d12	21.533	240	1789904	20.000	ng		0.00
86) Perylene-d12	23.968	264	1834696	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.522	112	2579866	110.316	ng		0.00
7) Phenol-d6	7.134	99	3411049	112.293	ng		0.00
23) Nitrobenzene-d5	9.139	82	2481794	83.108	ng		0.00
42) 2,4,6-Tribromophenol	16.098	330	1249848	117.881	ng		0.00
45) 2-Fluorobiphenyl	13.239	172	5366790	76.228	ng		0.00
79) Terphenyl-d14	19.980	244	8130476	83.050	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.393	88	40023	3.847	ng		98
3) Pyridine	3.810	79	80706	2.797	ng		94
4) n-Nitrosodimethylamine	3.710	42	43412	3.697	ng	#	91
6) Aniline	7.298	93	146358	3.670	ng		98
8) 2-Chlorophenol	7.534	128	95754	3.846	ng		99
9) Benzaldehyde	7.110	77	92877m	6.425	ng		
10) Phenol	7.157	94	123119	3.817	ng		97
11) bis(2-Chloroethyl)ether	7.393	93	102553	3.910	ng		99
12) 1,3-Dichlorobenzene	7.863	146	103297	3.904	ng		99
13) 1,4-Dichlorobenzene	8.010	146	105714	3.928	ng		100
14) 1,2-Dichlorobenzene	8.328	146	104156	4.018	ng		100
15) Benzyl Alcohol	8.210	79	83935	3.855	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.498	45	144290	4.356	ng		99
17) 2-Methylphenol	8.416	107	76250	3.441	ng		99
18) Hexachloroethane	9.057	117	40086	4.037	ng		97
19) n-Nitroso-di-n-propyla...	8.781	70	80813	4.224	ng		97
20) 3+4-Methylphenols	8.739	107	97697	3.302	ng		97
22) Acetophenone	8.798	105	158820	3.859	ng	#	97
24) Nitrobenzene	9.181	77	128006	4.078	ng		96
25) Isophorone	9.710	82	215073	3.914	ng		100
26) 2-Nitrophenol	9.898	139	40506	5.731	ng		99
27) 2,4-Dimethylphenol	9.951	122	83858	3.502	ng		100
28) bis(2-Chloroethoxy)met...	10.192	93	139471	3.950	ng		100
29) 2,4-Dichlorophenol	10.428	162	74720	3.291	ng		95
30) 1,2,4-Trichlorobenzene	10.645	180	91193	3.676	ng		96
31) Naphthalene	10.833	128	309414	3.699	ng		100
32) Benzoic acid	10.010	122	27118	7.092	ng		99
33) 4-Chloroaniline	10.945	127	124037	3.480	ng		99
34) Hexachlorobutadiene	11.122	225	49413	3.473	ng		96
35) Caprolactam	11.710	113	24020m	3.477	ng		
36) 4-Chloro-3-methylphenol	12.063	107	85779	3.549	ng		98
37) 2-Methylnaphthalene	12.445	142	205123	3.659	ng		97
38) 1-Methylnaphthalene	12.663	142	195132	3.714	ng		98
40) 1,2,4,5-Tetrachloroben...	12.810	216	98846	3.317	ng		99
41) Hexachlorocyclopentadiene	12.786	237	54836	3.353	ng		99
43) 2,4,6-Trichlorophenol	13.045	196	56679	2.938	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.116	196	64193	2.842	ng		99
46) 1,1'-Biphenyl	13.451	154	295647	3.808	ng		99
47) 2-Chloronaphthalene	13.492	162	210914	3.602	ng		99
48) 2-Nitroaniline	13.692	65	53170	4.921	ng		95
49) Acenaphthylene	14.333	152	315912	3.387	ng		98
50) Dimethylphthalate	14.069	163	266422	3.778	ng		98
51) 2,6-Dinitrotoluene	14.186	165	45575	4.353	ng	#	84
52) Acenaphthene	14.674	154	202090	3.526	ng		98
53) 3-Nitroaniline	14.516	138	49001	4.188	ng		93
54) 2,4-Dinitrophenol	14.716	184	17115	6.976	ng		90
55) Dibenzofuran	15.010	168	321181	3.581	ng		99
56) 4-Nitrophenol	14.810	139	39349	2.809	ng		92
57) 2,4-Dinitrotoluene	14.969	165	56282	4.695	ng		87
58) Fluorene	15.657	166	257248	3.662	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.233	232	57200	3.284	ng		95
60) Diethylphthalate	15.427	149	261087	3.805	ng		99
61) 4-Chlorophenyl-phenyle...	15.651	204	123890	3.589	ng		96
62) 4-Nitroaniline	15.668	138	47641	4.222	ng		90
63) Azobenzene	15.945	77	258701	3.563	ng		98
65) 4,6-Dinitro-2-methylph...	15.727	198	25588	6.887	ng		91
66) n-Nitrosodiphenylamine	15.863	169	213202	3.267	ng		99
67) 4-Bromophenyl-phenylether	16.545	248	69200	3.310	ng		93
68) Hexachlorobenzene	16.657	284	81398	3.483	ng	#	86
69) Atrazine	16.815	200	67756	3.801	ng		97
70) Pentachlorophenol	17.004	266	40506	2.356	ng		95
71) Phenanthrene	17.398	178	410338	3.612	ng		99
72) Anthracene	17.486	178	382072	3.372	ng		99
73) Carbazole	17.757	167	354893	3.432	ng		98
74) Di-n-butylphthalate	18.327	149	398904	4.843	ng		99
75) Fluoranthene	19.409	202	428880	3.576	ng		99
77) Benzidine	19.598	184	182378	8.892	ng		99
78) Pyrene	19.774	202	453916	3.376	ng		99
80) Butylbenzylphthalate	20.668	149	163824	5.984	ng		93
81) Benzo(a)anthracene	21.515	228	454438	3.526	ng		99
82) 3,3'-Dichlorobenzidine	21.450	252	153081	3.864	ng		98
83) Chrysene	21.574	228	442250	3.528	ng		99
84) Bis(2-ethylhexyl)phtha...	21.445	149	255476	5.416	ng		98
85) Di-n-octyl phthalate	22.386	149	397576	6.466	ng		97
87) Indeno(1,2,3-cd)pyrene	26.497	276	445213	3.189	ng		97
88) Benzo(b)fluoranthene	23.221	252	421621	3.597	ng		98
89) Benzo(k)fluoranthene	23.274	252	433089	3.550	ng		98
90) Benzo(a)pyrene	23.856	252	348715	3.091	ng		99
91) Dibenzo(a,h)anthracene	26.515	278	376839	3.187	ng		98
92) Benzo(g,h,i)perylene	27.274	276	360447	3.116	ng		97

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

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