Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072121\
Data File : BM031043.D
Acq On : 21 Jul 2021 13:50
Operator : CG/JU
Sample : M2940-03
Misc : MDL-MDL-SOIL 8ppm
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2021

Manual Integrations APPROVED
mohammad
7/22/2021 1:29:58 PM

Quant Time: Jul 21 14:28:19 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM072021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 21 11:41:39 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.634	152	70541	20.00	ng		0.00
21) Naphthalene-d8	10.404	136	305468	20.00	ng		0.00
39) Acenaphthene-d10	14.268	164	238819	20.00	ng		0.00
64) Phenanthrene-d10	17.015	188	608294	20.00	ng		0.00
76) Chrysene-d12	21.203	240	798297	20.00	ng		0.00
86) Perylene-d12	23.380	264	843079	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.257	112	499352	127.12	ng		0.00
7) Phenol-d6	6.822	99	725612	127.42	ng		0.00
23) Nitrobenzene-d5	8.786	82	543826	89.39	ng		0.00
42) 2,4,6-Tribromophenol	15.762	330	416086	133.42	ng		0.00
45) 2-Fluorobiphenyl	12.886	172	1325542	82.82	ng		0.00
79) Terphenyl-d14	19.656	244	3266713	80.96	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.246	88	13590	8.61	ng		97
3) Pyridine	3.628	79	31424	7.04	ng	#	94
4) n-Nitrosodimethylamine	3.546	42	20843	8.21	ng	#	84
6) Aniline	6.975	93	53202	8.70	ng		97
8) 2-Chlorophenol	7.204	128	35922	7.77	ng		96
9) Benzaldehyde	6.792	77	35398	10.43	ng		95
10) Phenol	6.845	94	43196	7.83	ng		91
11) bis(2-Chloroethyl)ether	7.081	93	31953	7.82	ng		96
12) 1,3-Dichlorobenzene	7.528	146	38077	7.57	ng	#	94
13) 1,4-Dichlorobenzene	7.669	146	38670	7.56	ng		94
14) 1,2-Dichlorobenzene	7.981	146	38080	7.62	ng		98
15) Benzyl Alcohol	7.875	79	38140	7.96	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.163	45	42161	8.25	ng		98
17) 2-Methylphenol	8.075	107	29604	7.67	ng	#	83
18) Hexachloroethane	8.698	117	16029	8.12	ng		92
19) n-Nitroso-di-n-propyla...	8.439	70	30623	7.61	ng		98
20) 3+4-Methylphenols	8.398	107	41066	7.52	ng		96
22) Acetophenone	8.451	105	61589	8.14	ng	#	91
24) Nitrobenzene	8.828	77	50415	8.21	ng		97
25) Isophorone	9.345	82	79500	7.31	ng		97
26) 2-Nitrophenol	9.528	139	18933	7.32	ng	#	86
27) 2,4-Dimethylphenol	9.592	122	36277	8.90	ng		92
28) bis(2-Chloroethoxy)met...	9.833	93	45901	8.37	ng		95
29) 2,4-Dichlorophenol	10.051	162	35953	7.46	ng		95
30) 1,2,4-Trichlorobenzene	10.269	180	40341	7.62	ng		94
31) Naphthalene	10.451	128	123990	7.89	ng		98
32) Benzoic acid	9.669	122	17319	4.99	ng		87
33) 4-Chloroaniline	10.569	127	52786	7.78	ng	#	93
34) Hexachlorobutadiene	10.733	225	26728	7.86	ng		93
35) Caprolactam	11.339	113	12970	8.00	ng		94
36) 4-Chloro-3-methylphenol	11.692	107	41358	7.52	ng		96
37) 2-Methylnaphthalene	12.069	142	95745	7.90	ng	#	94
38) 1-Methylnaphthalene	12.292	142	88749m	7.69	ng		
40) 1,2,4,5-Tetrachloroben...	12.439	216	51473	7.74	ng	#	98
41) Hexachlorocyclopentadiene	12.421	237	31487	8.51	ng		97
43) 2,4,6-Trichlorophenol	12.686	196	31846	6.81	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.751	196	35870	6.93	ng	#	91
46) 1,1'-Biphenyl	13.098	154	133644	7.89	ng		99
47) 2-Chloronaphthalene	13.133	162	101689	7.67	ng	#	92
48) 2-Nitroaniline	13.345	65	28803	6.81	ng		92
49) Acenaphthylene	13.986	152	161923	7.64	ng		100
50) Dimethylphthalate	13.733	163	134177	7.49	ng		100
51) 2,6-Dinitrotoluene	13.851	165	26534	6.61	ng	#	71
52) Acenaphthene	14.333	154	102058	7.65	ng		97
53) 3-Nitroaniline	14.174	138	27833	6.87	ng		97
54) 2,4-Dinitrophenol	14.380	184	14319	6.05	ng		90
55) Dibenzofuran	14.668	168	172780	7.90	ng		92
56) 4-Nitrophenol	14.486	139	24721	6.90	ng	#	75
57) 2,4-Dinitrotoluene	14.639	165	38081	6.82	ng	#	78
58) Fluorene	15.315	166	148582	8.05	ng		98
59) 2,3,4,6-Tetrachlorophenol	14.892	232	34315	7.12	ng	#	92
60) Diethylphthalate	15.110	149	158876	8.27	ng		99
61) 4-Chlorophenyl-phenyle...	15.321	204	75307	8.24	ng	#	85
62) 4-Nitroaniline	15.345	138	31880	7.13	ng		89
63) Azobenzene	15.615	77	147634	7.72	ng		93
65) 4,6-Dinitro-2-methylph...	15.398	198	21459	5.62	ng		82
66) n-Nitrosodiphenylamine	15.539	169	122001	6.82	ng		99
67) 4-Bromophenyl-phenylether	16.215	248	48383	7.69	ng		93
68) Hexachlorobenzene	16.315	284	54178	7.64	ng	#	89
69) Atrazine	16.492	200	50347	7.67	ng		100
70) Pentachlorophenol	16.662	266	30673	6.62	ng		94
71) Phenanthrene	17.056	178	265075	7.87	ng		99
72) Anthracene	17.145	178	268799	8.09	ng		99
73) Carbazole	17.415	167	235541	7.16	ng		98
74) Di-n-butylphthalate	17.998	149	333651	8.64	ng		99
75) Fluoranthene	19.074	202	335046	7.95	ng		99
77) Benzidine	19.268	184	165142	8.38	ng		100
78) Pyrene	19.439	202	352871	7.08	ng		98
80) Butylbenzylphthalate	20.356	149	160605	7.55	ng		94
81) Benzo(a)anthracene	21.186	228	383959	7.26	ng		99
82) 3,3'-Dichlorobenzidine	21.127	252	140180	9.67	ng		99
83) Chrysene	21.239	228	359877	7.00	ng		99
84) Bis(2-ethylhexyl)phtha...	21.133	149	321300	9.74	ng	#	94
85) Di-n-octyl phthalate	22.003	149	440996	7.81	ng		96
87) Indeno(1,2,3-cd)pyrene	25.544	276	428640	7.11	ng		99
88) Benzo(b)fluoranthene	22.727	252	406284	7.27	ng		98
89) Benzo(k)fluoranthene	22.774	252	381651	7.30	ng		99
90) Benzo(a)pyrene	23.285	252	395446	7.86	ng		98
91) Dibenzo(a,h)anthracene	25.556	278	366031	7.02	ng		99
92) Benzo(g,h,i)perylene	26.203	276	359829	7.24	ng		98

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

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