Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072022\
Data File : BM035876.D
Acq On : 20 Jul 2022 11:20
Operator : CG/JU
Sample : N3214-03
Misc : MDL-MDL-SOIL 8ppm
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 07/21/2022
Supervised By :Jagrut Upadhyay 07/21/2022

Quant Time: Jul 20 11:54:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM071822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 18 17:08:15 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.898	152	258542	20.000	ng		0.00
21) Naphthalene-d8	10.704	136	1015246	20.000	ng		0.00
39) Acenaphthene-d10	14.527	164	574649	20.000	ng		0.00
64) Phenanthrene-d10	17.268	188	1082706	20.000	ng		0.00
76) Chrysene-d12	21.445	240	983851	20.000	ng		0.00
86) Perylene-d12	23.815	264	968356	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.452	112	1999275	119.883	ng		0.00
7) Phenol-d6	7.063	99	2631371	125.477	ng		0.00
23) Nitrobenzene-d5	9.063	82	1772086	93.354	ng		0.00
42) 2,4,6-Tribromophenol	16.016	330	775960	120.720	ng		0.00
45) 2-Fluorobiphenyl	13.163	172	3772741	92.801	ng		0.00
79) Terphenyl-d14	19.892	244	4590617	90.784	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	52185	7.571	ng		96
3) Pyridine	3.728	79	125836	6.869	ng		92
4) n-Nitrosodimethylamine	3.640	42	63375	8.278	ng	#	67
6) Aniline	7.222	93	203897	8.854	ng		95
8) 2-Chlorophenol	7.457	128	138656	8.046	ng		97
9) Benzaldehyde	7.034	77	120510m	10.229	ng		
10) Phenol	7.087	94	168066	7.958	ng		94
11) bis(2-Chloroethyl)ether	7.322	93	136744	8.024	ng		97
12) 1,3-Dichlorobenzene	7.781	146	151737	7.894	ng		99
13) 1,4-Dichlorobenzene	7.934	146	155898	7.966	ng		99
14) 1,2-Dichlorobenzene	8.245	146	148882	7.865	ng		100
15) Benzyl Alcohol	8.140	79	101551	7.349	ng		89
16) 2,2'-oxybis(1-Chloropr...	8.434	45	178143	8.029	ng		99
17) 2-Methylphenol	8.340	107	104483	7.620	ng		96
18) Hexachloroethane	8.975	117	54832	7.788	ng		95
19) n-Nitroso-di-n-propyla...	8.704	70	93685	7.706	ng		89
20) 3+4-Methylphenols	8.669	107	135557	7.315	ng		97
22) Acetophenone	8.722	105	204393	8.146	ng	#	94
24) Nitrobenzene	9.104	77	155828	8.740	ng		98
25) Isophorone	9.628	82	250164	8.424	ng	#	96
26) 2-Nitrophenol	9.816	139	51242	6.380	ng		95
27) 2,4-Dimethylphenol	9.875	122	111691	8.816	ng		98
28) bis(2-Chloroethoxy)met...	10.116	93	165325	7.999	ng		100
29) 2,4-Dichlorophenol	10.345	162	103007	7.333	ng		99
30) 1,2,4-Trichlorobenzene	10.563	180	124330	7.670	ng		99
31) Naphthalene	10.751	128	430991	8.355	ng		98
32) Benzoic acid	9.940	122	35517	3.707	ng		88
33) 4-Chloroaniline	10.863	127	170120	8.244	ng		96
34) Hexachlorobutadiene	11.034	225	71133	7.646	ng		97
35) Caprolactam	11.622	113	26622	6.197	ng		91
36) 4-Chloro-3-methylphenol	11.986	107	105701	7.339	ng		99
37) 2-Methylnaphthalene	12.363	142	270307	8.055	ng		98
38) 1-Methylnaphthalene	12.581	142	263556	8.069	ng		97
40) 1,2,4,5-Tetrachloroben...	12.728	216	128677	7.838	ng		99
41) Hexachlorocyclopentadiene	12.704	237	74431	8.411	ng		98
43) 2,4,6-Trichlorophenol	12.969	196	71710	6.608	ng		97

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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	13.033	196	78429	6.854	ng	95
46)	1,1'-Biphenyl	13.369	154	352691	8.068	ng	99
47)	2-Chloronaphthalene	13.410	162	266654	7.936	ng	98
48)	2-Nitroaniline	13.616	65	59328	6.408	ng	96
49)	Acenaphthylene	14.251	152	427731	8.268	ng	98
50)	Dimethylphthalate	13.992	163	283545	7.496	ng	99
51)	2,6-Dinitrotoluene	14.110	165	55504	7.018	ng	96
52)	Acenaphthene	14.592	154	246833	7.964	ng	99
53)	3-Nitroaniline	14.433	138	64884	6.814	ng	98
54)	2,4-Dinitrophenol	14.639	184	17871	4.585	ng	93
55)	Dibenzofuran	14.927	168	390349	7.861	ng	96
56)	4-Nitrophenol	14.733	139	45650	6.110	ng	94
57)	2,4-Dinitrotoluene	14.892	165	65707	6.348	ng	91
58)	Fluorene	15.574	166	302637	7.763	ng	99
59)	2,3,4,6-Tetrachlorophenol	15.151	232	58182	6.326	ng	98
60)	Diethylphthalate	15.351	149	273826	7.306	ng	100
61)	4-Chlorophenyl-phenyle...	15.574	204	144609	7.623	ng	95
62)	4-Nitroaniline	15.592	138	62171	6.376	ng	98
63)	Azobenzene	15.863	77	283474	7.366	ng	93
65)	4,6-Dinitro-2-methylph...	15.645	198	26237	4.826	ng	87
66)	n-Nitrosodiphenylamine	15.786	169	245648	7.727	ng	100
67)	4-Bromophenyl-phenylether	16.463	248	80731	7.417	ng	99
68)	Hexachlorobenzene	16.568	284	98620	7.805	ng	93
69)	Atrazine	16.733	200	68404	8.188	ng	97
70)	Pentachlorophenol	16.916	266	43184	6.159	ng	98
71)	Phenanthrene	17.310	178	459242	8.063	ng	99
72)	Anthracene	17.398	178	437157	7.896	ng	99
73)	Carbazole	17.668	167	410846	7.316	ng	99
74)	Di-n-butylphthalate	18.245	149	372220	6.510	ng	100
75)	Fluoranthene	19.321	202	462167	7.465	ng	98
77)	Benzidine	19.509	184	194117	11.238	ng	99
78)	Pyrene	19.680	202	498420	7.748	ng	99
80)	Butylbenzylphthalate	20.586	149	129373	5.634	ng	96
81)	Benzo(a)anthracene	21.427	228	469595	7.540	ng	99
82)	3,3'-Dichlorobenzidine	21.362	252	144871	9.930	ng	99
83)	Chrysene	21.480	228	453905	7.638	ng	99
84)	Bis(2-ethylhexyl)phtha...	21.368	149	190035	5.871	ng	99
85)	Di-n-octyl phthalate	22.286	149	292712	5.700	ng	99
87)	Indeno(1,2,3-cd)pyrene	26.285	276	497644	7.034	ng	97
88)	Benzo(b)fluoranthene	23.092	252	451930	7.840	ng	98
89)	Benzo(k)fluoranthene	23.139	252	464289m	7.783	ng	
90)	Benzo(a)pyrene	23.709	252	421814	8.597	ng	97
91)	Dibenzo(a,h)anthracene	26.303	278	445292	7.574	ng	99
92)	Benzo(g,h,i)perylene	27.038	276	446645	7.703	ng	98

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

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