Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072022\
Data File : BM035877.D
Acq On : 20 Jul 2022 12:14
Operator : CG/JU
Sample : N3214-03
Misc : MDL-MDL-SOIL 4ppm
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 20 13:12:38 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

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.892	152	316604	20.000	ng		0.00
21) Naphthalene-d8	10.698	136	1324455	20.000	ng		-0.01
39) Acenaphthene-d10	14.527	164	789954	20.000	ng		0.00
64) Phenanthrene-d10	17.268	188	1539099	20.000	ng		0.00
76) Chrysene-d12	21.444	240	1170226	20.000	ng		0.00
86) Perylene-d12	23.821	264	1043295	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.451	112	2362141	115.666	ng		0.00
7) Phenol-d6	7.057	99	3157553	122.955	ng		0.00
23) Nitrobenzene-d5	9.063	82	2236640	90.319	ng		0.00
42) 2,4,6-Tribromophenol	16.015	330	1060896	120.064	ng		0.00
45) 2-Fluorobiphenyl	13.163	172	5065889	90.647	ng		0.00
79) Terphenyl-d14	19.892	244	5865437	97.521	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	30597	3.625	ng		96
3) Pyridine	3.728	79	80235	3.577	ng		91
4) n-Nitrosodimethylamine	3.640	42	36140	3.855	ng	#	67
6) Aniline	7.222	93	123021	4.362	ng		96
8) 2-Chlorophenol	7.451	128	80614	3.820	ng		98
9) Benzaldehyde	7.034	77	77993m	5.406	ng		
10) Phenol	7.081	94	100878	3.900	ng		97
11) bis(2-Chloroethyl)ether	7.322	93	85263	4.086	ng		94
12) 1,3-Dichlorobenzene	7.781	146	88514	3.760	ng		95
13) 1,4-Dichlorobenzene	7.928	146	92197	3.847	ng		99
14) 1,2-Dichlorobenzene	8.245	146	90249	3.893	ng		99
15) Benzyl Alcohol	8.134	79	61646	3.643	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.422	45	111887	4.118	ng		96
17) 2-Methylphenol	8.339	107	62418	3.717	ng		94
18) Hexachloroethane	8.975	117	31995	3.711	ng		95
19) n-Nitroso-di-n-propyla...	8.704	70	59754	4.013	ng		88
20) 3+4-Methylphenols	8.663	107	81910	3.609	ng		94
22) Acetophenone	8.722	105	125009	3.819	ng	#	92
24) Nitrobenzene	9.104	77	99611	4.283	ng		97
25) Isophorone	9.628	82	158134	4.082	ng		97
26) 2-Nitrophenol	9.810	139	30421	2.903	ng		96
27) 2,4-Dimethylphenol	9.875	122	69346	4.196	ng		97
28) bis(2-Chloroethoxy)met...	10.116	93	105478	3.912	ng		96
29) 2,4-Dichlorophenol	10.345	162	60092	3.279	ng		99
30) 1,2,4-Trichlorobenzene	10.563	180	77938	3.685	ng		96
31) Naphthalene	10.751	128	270913	4.026	ng		98
33) 4-Chloroaniline	10.863	127	107119	3.979	ng		95
34) Hexachlorobutadiene	11.033	225	43444	3.579	ng		98
35) Caprolactam	11.616	113	16536	2.951	ng	#	84
36) 4-Chloro-3-methylphenol	11.980	107	67312	3.582	ng		99
37) 2-Methylnaphthalene	12.363	142	174015	3.975	ng		99
38) 1-Methylnaphthalene	12.580	142	170271	3.996	ng		98
40) 1,2,4,5-Tetrachloroben...	12.722	216	83297	3.691	ng		99
41) Hexachlorocyclopentadiene	12.704	237	47236	3.883	ng		98
43) 2,4,6-Trichlorophenol	12.963	196	45558	3.054	ng		95
44) 2,4,5-Trichlorophenol	13.033	196	49119	3.123	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.369	154	235355	3.917	ng		98
47) 2-Chloronaphthalene	13.410	162	171350	3.710	ng		97
48) 2-Nitroaniline	13.616	65	36751	2.888	ng		93
49) Acenaphthylene	14.251	152	274720	3.863	ng		100
50) Dimethylphthalate	13.992	163	191472	3.682	ng		98
51) 2,6-Dinitrotoluene	14.110	165	35683	3.282	ng		98
52) Acenaphthene	14.592	154	162541	3.815	ng		99
53) 3-Nitroaniline	14.433	138	38644	2.952	ng		95
55) Dibenzofuran	14.927	168	259245	3.798	ng		98
56) 4-Nitrophenol	14.733	139	25216	2.455	ng		94
57) 2,4-Dinitrotoluene	14.886	165	41540	2.919	ng		89
58) Fluorene	15.574	166	201066	3.752	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.151	232	38260	3.026	ng		99
60) Diethylphthalate	15.351	149	186131	3.613	ng		100
61) 4-Chlorophenyl-phenyle...	15.574	204	96502	3.701	ng		95
62) 4-Nitroaniline	15.592	138	36520	2.725	ng		95
63) Azobenzene	15.862	77	182770	3.455	ng		93
66) n-Nitrosodiphenylamine	15.786	169	161032	3.563	ng		99
67) 4-Bromophenyl-phenylether	16.462	248	54739	3.538	ng		96
68) Hexachlorobenzene	16.568	284	66218	3.687	ng		92
69) Atrazine	16.733	200	45128	3.800	ng		99
70) Pentachlorophenol	16.915	266	24262	2.434	ng		98
71) Phenanthrene	17.309	178	306157	3.781	ng		100
72) Anthracene	17.404	178	288146	3.661	ng		99
73) Carbazole	17.674	167	262065	3.283	ng		99
74) Di-n-butylphthalate	18.245	149	242838	2.988	ng		99
75) Fluoranthene	19.321	202	289262	3.287	ng		98
77) Benzidine	19.509	184	101278	4.929	ng		98
78) Pyrene	19.686	202	303977	3.973	ng		98
80) Butylbenzylphthalate	20.592	149	70026	2.564	ng		96
81) Benzo(a)anthracene	21.433	228	263210	3.553	ng		99
82) 3,3'-Dichlorobenzidine	21.368	252	70940	4.088	ng		99
83) Chrysene	21.486	228	261345	3.697	ng		99
84) Bis(2-ethylhexyl)phtha...	21.374	149	98454	2.557	ng		99
85) Di-n-octyl phthalate	22.291	149	139017	2.276	ng		99
87) Indeno(1,2,3-cd)pyrene	26.291	276	237558	3.116	ng		98
88) Benzo(b)fluoranthene	23.097	252	232572	3.745	ng	#	96
89) Benzo(k)fluoranthene	23.144	252	231435	3.601	ng	#	97
90) Benzo(a)pyrene	23.715	252	213010	4.030	ng		98
91) Dibenzo(a,h)anthracene	26.315	278	210253	3.319	ng		97
92) Benzo(g,h,i)perylene	27.044	276	212563	3.403	ng		99

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

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