Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021122\
Data File : BG052368.D
Acq On : 11 Feb 2022 11:54
Operator : CG/JU
Sample : M4068-01
Misc : LOD-MDL-SOIL 4ppm
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay

Quant Time: Feb 11 14:00:23 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 11 13:59:40 2022
Response via : Initial Calibration

02/14/2022
Supervised By :mohammad ahmed

02/15/2022

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.228	152	21073	20.000	ng		0.00
21) Naphthalene-d8	11.065	136	86021	20.000	ng		0.00
39) Acenaphthene-d10	14.872	164	63999	20.000	ng		0.00
64) Phenanthrene-d10	17.621	188	160687	20.000	ng		0.00
76) Chrysene-d12	21.939	240	183271	20.000	ng		0.00
86) Perylene-d12	25.410	264	180964	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.755	112	198979	164.567	ng		0.00
7) Phenol-d6	7.376	99	286082	153.348	ng		0.00
23) Nitrobenzene-d5	9.397	82	168815	85.292	ng		0.00
42) 2,4,6-Tribromophenol	16.358	330	153744	167.213	ng		0.00
45) 2-Fluorobiphenyl	13.491	172	413101	89.692	ng		0.00
79) Terphenyl-d14	20.217	244	883951	85.171	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.587	88	2299	4.129	ng	#	82
3) Pyridine	4.010	79	5672	3.513	ng	#	85
4) n-Nitrosodimethylamine	3.910	42	2974	3.567	ng	#	91
6) Aniline	7.535	93	8710	4.019	ng		95
8) 2-Chlorophenol	7.787	128	5221	3.925	ng		95
9) Benzaldehyde	7.352	77	6142	5.363	ng		90
10) Phenol	7.405	94	7360	3.971	ng		84
11) bis(2-Chloroethyl)ether	7.629	93	5516	3.893	ng	#	79
12) 1,3-Dichlorobenzene	8.116	146	6183m	4.080	ng		
13) 1,4-Dichlorobenzene	8.263	146	6097	3.946	ng		93
14) 1,2-Dichlorobenzene	8.586	146	6000m	3.938	ng		
15) Benzyl Alcohol	8.463	79	5418	3.499	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.756	45	7225	3.531	ng		93
17) 2-Methylphenol	8.674	107	4442	3.632	ng	#	85
18) Hexachloroethane	9.320	117	2242	4.174	ng		95
19) n-Nitroso-di-n-propyla...	9.027	70	5045	3.587	ng	#	87
20) 3+4-Methylphenols	8.997	107	6163	3.522	ng		82
22) Acetophenone	9.050	105	9357	4.116	ng	#	94
24) Nitrobenzene	9.444	77	7265	3.870	ng	#	79
25) Isophorone	9.967	82	13905	4.129	ng		98
26) 2-Nitrophenol	10.166	139	3199	4.020	ng	#	84
27) 2,4-Dimethylphenol	10.213	122	5417	4.598	ng		82
28) bis(2-Chloroethoxy)met...	10.442	93	7837	4.100	ng		92
29) 2,4-Dichlorophenol	10.713	162	5260	3.725	ng		87
30) 1,2,4-Trichlorobenzene	10.924	180	6604	4.005	ng		89
31) Naphthalene	11.118	128	17612	3.905	ng		98
32) Benzoic acid	10.313	122	1673m	2.418	ng		
33) 4-Chloroaniline	11.212	127	7373	3.916	ng	#	88
34) Hexachlorobutadiene	11.400	225	4780	4.292	ng		92
35) Caprolactam	11.958	113	1678	3.260	ng		94
36) 4-Chloro-3-methylphenol	12.340	107	6144	3.824	ng	#	82
37) 2-Methylnaphthalene	12.710	142	13404	4.002	ng		94
38) 1-Methylnaphthalene	12.933	142	12891	3.972	ng	#	96
40) 1,2,4,5-Tetrachloroben...	13.080	216	8547	4.060	ng		98
41) Hexachlorocyclopentadiene	13.062	237	1156	1.301	ng		93
43) 2,4,6-Trichlorophenol	13.315	196	4652	3.379	ng		89

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.391	196	5045	3.381	ng		96
46) 1,1'-Biphenyl	13.703	154	19205	4.092	ng		93
47) 2-Chloronaphthalene	13.756	162	14011	3.875	ng		98
48) 2-Nitroaniline	13.944	65	4811	3.738	ng		86
49) Acenaphthylene	14.596	152	25231	4.287	ng		94
50) Dimethylphthalate	14.308	163	18690	3.812	ng		97
51) 2,6-Dinitrotoluene	14.431	165	4053	3.831	ng	#	78
52) Acenaphthene	14.936	154	14161	3.674	ng		84
53) 3-Nitroaniline	14.766	138	4161	3.784	ng	#	98
54) 2,4-Dinitrophenol	14.977	184	333	0.581	ng	#	44
55) Dibenzofuran	15.265	168	24304	4.009	ng		93
56) 4-Nitrophenol	15.089	139	2543	3.079	ng	#	81
57) 2,4-Dinitrotoluene	15.224	165	5642	3.747	ng	#	80
58) Fluorene	15.917	166	19835	4.099	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.494	232	4422	3.103	ng	#	99
60) Diethylphthalate	15.665	149	20414	4.122	ng		100
61) 4-Chlorophenyl-phenyle...	15.900	204	10695	3.880	ng		97
62) 4-Nitroaniline	15.923	138	4621	3.992	ng	#	70
63) Azobenzene	16.193	77	19763	3.898	ng		96
65) 4,6-Dinitro-2-methylph...	16.000	198	2135	2.209	ng		72
66) n-Nitrosodiphenylamine	16.117	169	17254	3.897	ng		95
67) 4-Bromophenyl-phenylether	16.798	248	7436	3.805	ng		86
68) Hexachlorobenzene	16.934	284	8170	3.855	ng	#	86
69) Atrazine	17.051	200	7463	4.169	ng		94
70) Pentachlorophenol	17.280	266	2294	2.212	ng	#	82
71) Phenanthrene	17.662	178	34923	4.216	ng		96
72) Anthracene	17.756	178	34591	4.261	ng		95
73) Carbazole	18.020	167	31206	3.942	ng		96
74) Di-n-butylphthalate	18.561	149	35009	4.059	ng		99
75) Fluoranthene	19.665	202	45010	4.267	ng		99
77) Benzidine	19.836	184	20043	5.118	ng		98
78) Pyrene	20.029	202	47237	3.852	ng		95
80) Butylbenzylphthalate	20.899	149	16228	3.810	ng		93
81) Benzo(a)anthracene	21.915	228	48055	3.962	ng	#	96
82) 3,3'-Dichlorobenzidine	21.821	252	17678	4.175	ng		97
83) Chrysene	21.986	228	44057	3.834	ng		96
84) Bis(2-ethylhexyl)phtha...	21.798	149	23551	3.987	ng		99
85) Di-n-octyl phthalate	23.090	149	38081	3.845	ng	#	92
87) Indeno(1,2,3-cd)pyrene	29.405	276	48240	3.643	ng	#	97
88) Benzo(b)fluoranthene	24.294	252	44558	3.951	ng		98
89) Benzo(k)fluoranthene	24.371	252	47031	4.222	ng		99
90) Benzo(a)pyrene	25.246	252	45020	4.726	ng	#	93
91) Dibenzo(a,h)anthracene	29.475	278	42368	3.873	ng		96
92) Benzo(g,h,i)perylene	30.650	276	42335	3.943	ng		96

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

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