Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
Data File : BG045964.D
Acq On : 7 Jul 2020 18:00
Operator : CG/JU
Sample : L3216-01
Misc : LOD-MDL-SOIL-5PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT3-2020

Manual Integrations APPROVED
mohammad
7/9/2020 10:55:26 AM

Quant Time: Jul 07 18:53:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 07 18:09:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	117949	20.00	ng		0.00
21) Naphthalene-d8	10.80	136	466302	20.00	ng		0.00
39) Acenaphthene-d10	14.63	164	284055	20.00	ng		0.00
64) Phenanthrene-d10	17.37	188	567035	20.00	ng		0.00
76) Chrysene-d12	21.63	240	540373	20.00	ng		0.00
86) Perylene-d12	24.78	264	548582	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.59	112	1161868	159.74	ng		0.00
7) Phenol-d6	7.17	99	1614160	154.15	ng		0.00
23) Nitrobenzene-d5	9.16	82	1308435	161.51	ng		0.00
42) 2,4,6-Tribromophenol	16.11	330	459828	174.42	ng		0.00
45) 2-Fluorobiphenyl	13.26	172	2445288	134.28	ng		0.00
79) Terphenyl-d14	19.99	244	2890628	119.05	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.52	88	18704	5.574	ng		91
3) Pyridine	3.91	79	42746	4.213	ng	#	95
4) n-Nitrosodimethylamine	3.82	42	17954	5.233	ng	#	90
6) Aniline	7.33	93	66421	4.958	ng		94
8) 2-Chlorophenol	7.57	128	37585	4.800	ng		96
9) Benzaldehyde	7.14	77	45624	6.877	ng		96
10) Phenol	7.19	94	52028	4.953	ng		92
11) bis(2-Chloroethyl)ether	7.43	93	42527	4.896	ng		100
12) 1,3-Dichlorobenzene	7.90	146	42345	4.692	ng		99
13) 1,4-Dichlorobenzene	8.04	146	44168	4.975	ng		93
14) 1,2-Dichlorobenzene	8.37	146	39963	4.677	ng		98
15) Benzyl Alcohol	8.24	79	36929	4.498	ng		94
16) 2,2'-oxybis(1-Chloropropan	8.54	45	53359	4.708	ng		99
17) 2-Methylphenol	8.44	107	34250	4.345	ng		94
18) Hexachloroethane	9.09	117	16910	4.950	ng		95
19) n-Nitroso-di-n-propylamine	8.81	70	35635	4.844	ng		97
20) 3+4-Methylphenols	8.76	107	46087	4.290	ng		97
22) Acetophenone	8.82	105	68046	5.462	ng		99
24) Nitrobenzene	9.20	77	49607	5.548	ng		99
25) Isophorone	9.72	82	98785	4.995	ng		97
26) 2-Nitrophenol	9.92	139	13559	4.652	ng		94
27) 2,4-Dimethylphenol	9.98	122	36891	5.240	ng		98
28) bis(2-Chloroethoxy)methane	10.21	93	55698	5.015	ng		98
29) 2,4-Dichlorophenol	10.45	162	33502	4.597	ng		95
30) 1,2,4-Trichlorobenzene	10.67	180	39652	4.911	ng		95
31) Naphthalene	10.86	128	125230	5.010	ng		99
32) Benzoic acid	10.02	122	9783m	2.566	ng		
33) 4-Chloroaniline	10.95	127	52531	4.703	ng		93
34) Hexachlorobutadiene	11.16	225	21866	4.638	ng		95
35) Caprolactam	11.69	113	11906	4.303	ng		97
36) 4-Chloro-3-methylphenol	12.07	107	38278	4.612	ng		100
37) 2-Methylnaphthalene	12.46	142	90345	5.084	ng		97
38) 1-Methylnaphthalene	12.68	142	85922	5.124	ng		91
40) 1,2,4,5-Tetrachlorobenzene	12.82	216	42572	5.317	ng		98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.81	237	23432	4.932	ng		97
43) 2,4,6-Trichlorophenol	13.06	196	24509	4.526	ng		94
44) 2,4,5-Trichlorophenol	13.13	196	25896	4.229	ng	#	91
46) 1,1'-Biphenyl	13.46	154	121567	5.689	ng		93
47) 2-Chloronaphthalene	13.51	162	83366	4.945	ng		98
48) 2-Nitroaniline	13.69	65	18341	4.648	ng		96
49) Acenaphthylene	14.35	152	142711	5.246	ng		94
50) Dimethylphthalate	14.08	163	101052	4.740	ng		98
51) 2,6-Dinitrotoluene	14.19	165	15394	4.654	ng		96
52) Acenaphthene	14.69	154	84436	4.921	ng		96
53) 3-Nitroaniline	14.52	138	17106	4.173	ng	#	93
54) 2,4-Dinitrophenol	14.72	184	3363	2.882	ng	#	32
55) Dibenzofuran	15.03	168	130166	5.175	ng		96
56) 4-Nitrophenol	14.82	139	13509	3.890	ng		93
57) 2,4-Dinitrotoluene	14.97	165	17084	4.180	ng		97
58) Fluorene	15.67	166	105099	5.094	ng		94
59) 2,3,4,6-Tetrachlorophenol	15.25	232	21373m	4.521	ng		
60) Diethylphthalate	15.45	149	108807	4.867	ng		97
61) 4-Chlorophenyl-phenylether	15.67	204	48806	4.755	ng		96
62) 4-Nitroaniline	15.67	138	19100	4.335	ng		94
63) Azobenzene	15.97	77	123633	5.152	ng		97
65) 4,6-Dinitro-2-methylphenol	15.74	198	5773	3.476	ng		87
66) n-Nitrosodiphenylamine	15.88	169	88706	5.048	ng		96
67) 4-Bromophenyl-phenylether	16.57	248	30582	4.829	ng		93
68) Hexachlorobenzene	16.68	284	32149	5.059	ng		94
69) Atrazine	16.83	200	30230	5.819	ng		95
70) Pentachlorophenol	17.02	266	14104	3.992	ng		98
71) Phenanthrene	17.41	178	161027	5.372	ng		95
72) Anthracene	17.50	178	168902	5.552	ng		93
73) Carbazole	17.76	167	155375	5.095	ng		95
74) Di-n-butylphthalate	18.35	149	188898	5.126	ng		96
75) Fluoranthene	19.42	202	191564	5.528	ng		94
77) Benzidine	19.59	184	88885	5.753	ng		97
78) Pyrene	19.78	202	198048	5.369	ng		94
80) Butylbenzylphthalate	20.68	149	76815	4.407	ng		99
81) Benzo(a)anthracene	21.61	228	182090	5.125	ng		96
82) 3,3'-Dichlorobenzidine	21.52	252	65691	5.003	ng		95
83) Chrysene	21.67	228	173633	5.130	ng		96
84) Bis(2-ethylhexyl)phthalate	21.55	149	120035	4.744	ng		93
85) Di-n-octyl phthalate	22.75	149	199027	4.533	ng		98
87) Indeno(1,2,3-cd)pyrene	28.36	276	194842	4.855	ng	#	88
88) Benzo(b)fluoranthene	23.79	252	174005	4.997	ng		97
89) Benzo(k)fluoranthene	23.85	252	176357	5.356	ng		95
90) Benzo(a)pyrene	24.64	252	160848	4.912	ng		97
91) Dibenzo(a,h)anthracene	28.43	278	161943	5.003	ng		97
92) Benzo(g,h,i)perylene	29.45	276	162912	5.001	ng		94

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

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