Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102820\
Data File : BG047106.D
Acq On : 28 Oct 2020 13:25
Operator : CG/JU
Sample : L4214-03
Misc : MDL-MDL-SOIL 4PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2020

Manual Integrations APPROVED
mohammad
10/29/2020 10:43:48 AM

Quant Time: Oct 28 14:03:24 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 12:53:38 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.056	152	44016	20.00	ng	#	0.00
21) Naphthalene-d8	10.865	136	170738	20.00	ng	#	0.00
39) Acenaphthene-d10	14.684	164	119891	20.00	ng		0.00
64) Phenanthrene-d10	17.427	188	309473	20.00	ng	#	0.00
76) Chrysene-d12	21.699	240	404107	20.00	ng	#	0.00
86) Perylene-d12	24.930	264	399991	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.612	112	336789	135.64	ng		0.00
7) Phenol-d6	7.210	99	471895	131.42	ng		0.00
23) Nitrobenzene-d5	9.219	82	337796	94.74	ng		0.00
42) 2,4,6-Tribromophenol	16.170	330	255694	133.06	ng		0.00
45) 2-Fluorobiphenyl	13.309	172	831905	98.10	ng		0.00
79) Terphenyl-d14	20.036	244	1881320	90.52	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.497	88	4730	4.22	ng	#	88
3) Pyridine	3.902	79	10941	3.59	ng	#	86
4) n-Nitrosodimethylamine	3.814	42	5162	3.20	ng	#	77
6) Aniline	7.374	93	17044	4.02	ng	#	88
8) 2-Chlorophenol	7.615	128	9405	3.56	ng		88
9) Benzaldehyde	7.192	77	10448	5.19	ng		93
10) Phenol	7.233	94	12950	3.82	ng	#	69
11) bis(2-Chloroethyl)ether	7.468	93	9909	3.71	ng		95
12) 1,3-Dichlorobenzene	7.944	146	11926	3.55	ng	#	89
13) 1,4-Dichlorobenzene	8.091	146	12326	3.63	ng		98
14) 1,2-Dichlorobenzene	8.414	146	10952m	3.40	ng		
15) Benzyl Alcohol	8.297	79	8656	3.09	ng		87
16) 2,2'-oxybis(1-Chloropr...	8.585	45	14957	3.54	ng		88
17) 2-Methylphenol	8.491	107	8503	3.65	ng	#	83
18) Hexachloroethane	9.137	117	4045	3.18	ng		99
19) n-Nitroso-di-n-propyla...	8.855	70	8045	3.29	ng	#	92
20) 3+4-Methylphenols	8.820	107	10481	3.33	ng		90
22) Acetophenone	8.879	105	16032	3.49	ng	#	87
24) Nitrobenzene	9.261	77	12407	3.35	ng	#	85
25) Isophorone	9.783	82	22149	3.47	ng	#	88
26) 2-Nitrophenol	9.977	139	5348	3.33	ng	#	77
27) 2,4-Dimethylphenol	10.024	122	8544	3.89	ng		91
28) bis(2-Chloroethoxy)met...	10.265	93	12838	3.26	ng	#	96
29) 2,4-Dichlorophenol	10.512	162	9976	3.30	ng		84
30) 1,2,4-Trichlorobenzene	10.723	180	12156	3.27	ng	#	92
31) Naphthalene	10.917	128	32756	3.67	ng		98
33) 4-Chloroaniline	11.023	127	11156	2.87	ng	#	87
34) Hexachlorobutadiene	11.205	225	9609	3.44	ng		93
35) Caprolactam	11.769	113	3598	3.58	ng	#	76
36) 4-Chloro-3-methylphenol	12.139	107	10039	3.20	ng	#	81
37) 2-Methylnaphthalene	12.521	142	24768m	3.57	ng		
38) 1-Methylnaphthalene	12.739	142	22555m	3.43	ng		
40) 1,2,4,5-Tetrachloroben...	12.886	216	16731	3.82	ng		98
41) Hexachlorocyclopentadiene	12.862	237	7285	3.04	ng		89
43) 2,4,6-Trichlorophenol	13.121	196	8778	3.08	ng		98
44) 2,4,5-Trichlorophenol	13.191	196	9479	3.27	ng	#	87

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.520	154	33636	3.71	ng		91
47) 2-Chloronaphthalene	13.567	162	26112	3.49	ng		99
48) 2-Nitroaniline	13.761	65	6616	2.72	ng	#	72
49) Acenaphthylene	14.407	152	37574	3.46	ng		93
50) Dimethylphthalate	14.131	163	32542	3.30	ng	#	99
51) 2,6-Dinitrotoluene	14.249	165	6843	3.32	ng	#	71
52) Acenaphthene	14.748	154	24203	3.42	ng		95
53) 3-Nitroaniline	14.584	138	6392	3.12	ng	#	89
55) Dibenzofuran	15.083	168	42698	3.76	ng		93
56) 4-Nitrophenol	14.889	139	3686	2.30	ng		87
57) 2,4-Dinitrotoluene	15.036	165	9566	3.23	ng	#	82
58) Fluorene	15.729	166	33259	3.63	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.306	232	9859	3.20	ng		99
60) Diethylphthalate	15.488	149	34856	3.54	ng		94
61) 4-Chlorophenyl-phenyle...	15.724	204	19421	3.55	ng	#	94
62) 4-Nitroaniline	15.747	138	6183	2.81	ng	#	77
63) Azobenzene	16.017	77	33099	3.78	ng		89
65) 4,6-Dinitro-2-methylph...	15.812	198	5300	2.78	ng		87
66) n-Nitrosodiphenylamine	15.935	169	30739	3.46	ng		96
67) 4-Bromophenyl-phenylether	16.617	248	12931	3.18	ng	#	87
68) Hexachlorobenzene	16.734	284	14369	3.35	ng		98
69) Atrazine	16.875	200	11984	3.28	ng		95
70) Pentachlorophenol	17.087	266	5909	2.36	ng		96
71) Phenanthrene	17.474	178	59079m	3.57	ng		
72) Anthracene	17.563	178	58064	3.58	ng		96
73) Carbazole	17.833	167	50323	3.49	ng		97
74) Di-n-butylphthalate	18.385	149	68523	3.85	ng	#	95
75) Fluoranthene	19.478	202	84534	3.98	ng		94
77) Benzidine	19.654	184	31532	3.41	ng		97
78) Pyrene	19.842	202	85974	3.34	ng		96
80) Butylbenzylphthalate	20.718	149	29199	2.96	ng		89
81) Benzo(a)anthracene	21.675	228	95078	3.59	ng		98
82) 3,3'-Dichlorobenzidine	21.593	252	32564	3.39	ng	#	99
83) Chrysene	21.740	228	90378	3.59	ng		96
84) Bis(2-ethylhexyl)phtha...	21.575	149	45147	3.24	ng		99
85) Di-n-octyl phthalate	22.792	149	75627	3.23	ng		97
87) Indeno(1,2,3-cd)pyrene	28.608	276	100274	3.43	ng	#	78
88) Benzo(b)fluoranthene	23.896	252	88821	3.40	ng		98
89) Benzo(k)fluoranthene	23.967	252	89115	3.51	ng	#	96
90) Benzo(a)pyrene	24.778	252	80371	3.29	ng	#	94
91) Dibenzo(a,h)anthracene	28.667	278	81483	3.44	ng	#	93
92) Benzo(g,h,i)perylene	29.760	276	80482	3.41	ng	#	85

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

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