Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102720\
Data File : BG047096.D
Acq On : 27 Oct 2020 15:44
Operator : CG/JU
Sample : L4214-02
Misc : LOQ-SOIL-10 PPM
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2020

Manual Integrations APPROVED
mohammad
10/28/2020 8:06:10 AM

Quant Time: Oct 27 16:18:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 27 12:36:22 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.056	152	35376	20.00	ng		0.00
21) Naphthalene-d8	10.864	136	144071	20.00	ng		# 0.00
39) Acenaphthene-d10	14.684	164	104370	20.00	ng		0.00
64) Phenanthrene-d10	17.427	188	261675	20.00	ng		# 0.00
76) Chrysene-d12	21.699	240	343605	20.00	ng		# 0.00
86) Perylene-d12	24.930	264	344851	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.612	112	235532	118.02	ng		0.00
7) Phenol-d6	7.204	99	319314	110.65	ng		0.00
23) Nitrobenzene-d5	9.219	82	261864	87.04	ng		0.00
42) 2,4,6-Tribromophenol	16.170	330	177829	106.30	ng		0.00
45) 2-Fluorobiphenyl	13.309	172	646763	87.61	ng		0.00
79) Terphenyl-d14	20.036	244	1381829	78.20	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.497	88	9665	10.72	ng	#	92
3) Pyridine	3.902	79	24541	10.03	ng	#	90
4) n-Nitrosodimethylamine	3.814	42	12172	9.39	ng	#	69
6) Aniline	7.374	93	35921	10.53	ng		92
8) 2-Chlorophenol	7.621	128	21254	10.02	ng		90
9) Benzaldehyde	7.192	77	22045	13.63	ng	#	84
10) Phenol	7.233	94	26368	9.67	ng	#	72
11) bis(2-Chloroethyl)ether	7.468	93	22838	10.65	ng		93
12) 1,3-Dichlorobenzene	7.944	146	27415	10.14	ng	#	93
13) 1,4-Dichlorobenzene	8.091	146	25868	9.48	ng		96
14) 1,2-Dichlorobenzene	8.409	146	26611	10.28	ng		95
15) Benzyl Alcohol	8.291	79	21051	9.36	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.579	45	31561	9.30	ng		93
17) 2-Methylphenol	8.485	107	18362	9.80	ng	#	92
18) Hexachloroethane	9.149	117	9505	9.30	ng		84
19) n-Nitroso-di-n-propyla...	8.849	70	18980	9.66	ng		95
20) 3+4-Methylphenols	8.814	107	23860	9.44	ng		90
22) Acetophenone	8.873	105	36666	9.45	ng	#	90
24) Nitrobenzene	9.260	77	29629	9.49	ng	#	82
25) Isophorone	9.777	82	49529	9.20	ng	#	95
26) 2-Nitrophenol	9.971	139	11707	8.64	ng	#	78
27) 2,4-Dimethylphenol	10.024	122	20579	11.12	ng		95
28) bis(2-Chloroethoxy)met...	10.259	93	30130	9.07	ng	#	88
29) 2,4-Dichlorophenol	10.506	162	23266	9.13	ng		85
30) 1,2,4-Trichlorobenzene	10.729	180	28239	8.99	ng		89
31) Naphthalene	10.917	128	69968	9.29	ng		96
32) Benzoic acid	10.095	122	7565m	5.17	ng		
33) 4-Chloroaniline	11.017	127	28898	8.82	ng	#	90
34) Hexachlorobutadiene	11.199	225	20486	8.70	ng		92
35) Caprolactam	11.763	113	7292	8.59	ng	#	86
36) 4-Chloro-3-methylphenol	12.134	107	22946	8.67	ng	#	88
37) 2-Methylnaphthalene	12.515	142	53721	9.18	ng		96
38) 1-Methylnaphthalene	12.739	142	49221	8.88	ng		93
40) 1,2,4,5-Tetrachloroben...	12.886	216	35886	9.41	ng		97
41) Hexachlorocyclopentadiene	12.862	237	20131	9.66	ng		89
43) 2,4,6-Trichlorophenol	13.121	196	20598	8.29	ng		96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.191	196	22237	8.80	ng	#	91
46) 1,1'-Biphenyl	13.520	154	72332	9.16	ng		90
47) 2-Chloronaphthalene	13.567	162	58282	8.96	ng		97
48) 2-Nitroaniline	13.761	65	16565	7.81	ng	#	69
49) Acenaphthylene	14.407	152	85283	9.03	ng	#	93
50) Dimethylphthalate	14.131	163	75881	8.83	ng		99
51) 2,6-Dinitrotoluene	14.249	165	15917	8.88	ng	#	82
52) Acenaphthene	14.748	154	53483	8.68	ng		96
53) 3-Nitroaniline	14.584	138	14199	7.97	ng	#	90
54) 2,4-Dinitrophenol	14.795	184	7120	6.02	ng		90
55) Dibenzofuran	15.083	168	92637	9.36	ng		99
56) 4-Nitrophenol	14.883	139	10761	7.72	ng	#	58
57) 2,4-Dinitrotoluene	15.036	165	21525	8.36	ng	#	64
58) Fluorene	15.729	166	72283	9.05	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.306	232	22668m	8.45	ng		
60) Diethylphthalate	15.494	149	78736	9.19	ng		97
61) 4-Chlorophenyl-phenyle...	15.723	204	41921	8.80	ng		91
62) 4-Nitroaniline	15.741	138	14869	7.77	ng	#	76
63) Azobenzene	16.017	77	72523	9.53	ng		93
65) 4,6-Dinitro-2-methylph...	15.806	198	12760	7.93	ng		88
66) n-Nitrosodiphenylamine	15.935	169	67991	9.06	ng		95
67) 4-Bromophenyl-phenylether	16.617	248	29273	8.50	ng		94
68) Hexachlorobenzene	16.734	284	32683	9.00	ng		93
69) Atrazine	16.875	200	28060	9.08	ng		95
70) Pentachlorophenol	17.081	266	14440	6.82	ng		92
71) Phenanthrene	17.474	178	128572	9.20	ng		97
72) Anthracene	17.562	178	130429	9.52	ng		95
73) Carbazole	17.827	167	116456	9.56	ng		94
74) Di-n-butylphthalate	18.385	149	148521	9.87	ng		97
75) Fluoranthene	19.478	202	180315	10.04	ng		94
77) Benzidine	19.654	184	87140	11.10	ng		94
78) Pyrene	19.842	202	183891	8.39	ng		95
80) Butylbenzylphthalate	20.718	149	68082	8.11	ng		91
81) Benzo(a)anthracene	21.675	228	203715	9.05	ng		95
82) 3,3'-Dichlorobenzidine	21.593	252	74741	9.16	ng	#	98
83) Chrysene	21.740	228	194268	9.06	ng		96
84) Bis(2-ethylhexyl)phtha...	21.575	149	99060	8.37	ng		91
85) Di-n-octyl phthalate	22.792	149	170297	8.56	ng		96
87) Indeno(1,2,3-cd)pyrene	28.602	276	214876	8.53	ng	#	85
88) Benzo(b)fluoranthene	23.896	252	195387	8.67	ng	#	97
89) Benzo(k)fluoranthene	23.967	252	196814	8.99	ng	#	95
90) Benzo(a)pyrene	24.778	252	180984	8.59	ng		96
91) Dibenzo(a,h)anthracene	28.679	278	173444	8.48	ng	#	90
92) Benzo(g,h,i)perylene	29.754	276	182712	8.99	ng	#	92

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

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