Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102720\
Data File : BG047091.D
Acq On : 27 Oct 2020 12:23
Operator : CG/JU
Sample : L4214-02
Misc : LOQ-SOIL-5ppm
ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations APPROVED
mohammad
10/28/2020 8:05:54 AM

Quant Time: Oct 27 13:05:58 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	35814	20.00	ng		0.00
21) Naphthalene-d8	10.865	136	131861	20.00	ng		0.00
39) Acenaphthene-d10	14.684	164	96998	20.00	ng		0.00
64) Phenanthrene-d10	17.427	188	250629	20.00	ng	#	0.00
76) Chrysene-d12	21.699	240	301957	20.00	ng	#	0.00
86) Perylene-d12	24.924	264	308904	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.612	112	328015	162.36	ng		0.00
7) Phenol-d6	7.210	99	452790	154.98	ng		0.00
23) Nitrobenzene-d5	9.219	82	334806	121.59	ng		0.00
42) 2,4,6-Tribromophenol	16.170	330	266268	171.26	ng		0.00
45) 2-Fluorobiphenyl	13.309	172	840420	122.50	ng		0.00
79) Terphenyl-d14	20.036	244	1808222	116.44	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.503	88	6234	6.83	ng	#	77
3) Pyridine	3.908	79	13263	5.35	ng		95
4) n-Nitrosodimethylamine	3.814	42	7157	5.45	ng	#	67
6) Aniline	7.374	93	20430	5.92	ng	#	90
8) 2-Chlorophenol	7.615	128	12006	5.59	ng		92
9) Benzaldehyde	7.192	77	13986	8.54	ng		90
10) Phenol	7.233	94	14878	5.39	ng	#	55
11) bis(2-Chloroethyl)ether	7.468	93	12549	5.78	ng		95
12) 1,3-Dichlorobenzene	7.944	146	15226	5.56	ng	#	80
13) 1,4-Dichlorobenzene	8.091	146	14714m	5.32	ng		
14) 1,2-Dichlorobenzene	8.414	146	14732	5.62	ng	#	86
15) Benzyl Alcohol	8.291	79	11797	5.18	ng	#	77
16) 2,2'-oxybis(1-Chloropr...	8.579	45	17305	5.04	ng		99
17) 2-Methylphenol	8.491	107	10614	5.60	ng	#	90
18) Hexachloroethane	9.143	117	6106	5.90	ng		93
19) n-Nitroso-di-n-propyla...	8.855	70	11723	5.89	ng		94
20) 3+4-Methylphenols	8.814	107	12697	4.96	ng		85
22) Acetophenone	8.879	105	20765	5.85	ng	#	89
24) Nitrobenzene	9.255	77	17333	6.06	ng	#	84
25) Isophorone	9.783	82	30228	6.14	ng	#	87
26) 2-Nitrophenol	9.971	139	6515	5.25	ng	#	83
27) 2,4-Dimethylphenol	10.024	122	11261	6.65	ng		91
28) bis(2-Chloroethoxy)met...	10.265	93	16490	5.42	ng		97
29) 2,4-Dichlorophenol	10.506	162	12408	5.32	ng		97
30) 1,2,4-Trichlorobenzene	10.729	180	16088	5.60	ng		97
31) Naphthalene	10.917	128	42217	6.12	ng	#	92
33) 4-Chloroaniline	11.017	127	15010	5.00	ng	#	93
34) Hexachlorobutadiene	11.199	225	12739	5.91	ng		92
35) Caprolactam	11.763	113	3996	5.14	ng	#	79
36) 4-Chloro-3-methylphenol	12.134	107	12630	5.22	ng	#	83
37) 2-Methylnaphthalene	12.515	142	31592m	5.90	ng		
38) 1-Methylnaphthalene	12.733	142	30320m	5.97	ng		
40) 1,2,4,5-Tetrachloroben...	12.886	216	20662	5.83	ng		99
41) Hexachlorocyclopentadiene	12.862	237	10442	5.39	ng		96
43) 2,4,6-Trichlorophenol	13.121	196	11875m	5.14	ng		
44) 2,4,5-Trichlorophenol	13.197	196	13186	5.62	ng		91

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.520	154	44394	6.05	ng		95
47) 2-Chloronaphthalene	13.567	162	35251	5.83	ng		95
48) 2-Nitroaniline	13.761	65	10244	5.20	ng	#	82
49) Acenaphthylene	14.407	152	53234	6.07	ng		98
50) Dimethylphthalate	14.125	163	46418	5.81	ng	#	97
51) 2,6-Dinitrotoluene	14.249	165	9221	5.53	ng	#	61
52) Acenaphthene	14.748	154	32884	5.74	ng		93
53) 3-Nitroaniline	14.590	138	7760	4.69	ng	#	97
54) 2,4-Dinitrophenol	14.789	184	3560	3.24	ng	#	80
55) Dibenzofuran	15.083	168	55369	6.02	ng		98
56) 4-Nitrophenol	14.889	139	5397	4.17	ng	#	77
57) 2,4-Dinitrotoluene	15.042	165	12471	5.21	ng	#	92
58) Fluorene	15.729	166	45672	6.15	ng		90
59) 2,3,4,6-Tetrachlorophenol	15.306	232	12570	5.04	ng	#	93
60) Diethylphthalate	15.494	149	47098	5.91	ng		94
61) 4-Chlorophenyl-phenyle...	15.724	204	26187	5.91	ng		96
62) 4-Nitroaniline	15.741	138	8332m	4.69	ng		
63) Azobenzene	16.011	77	43424	6.14	ng		88
65) 4,6-Dinitro-2-methylph...	15.800	198	8067	5.23	ng		94
66) n-Nitrosodiphenylamine	15.935	169	42312	5.88	ng		97
67) 4-Bromophenyl-phenylether	16.617	248	17663	5.36	ng		98
68) Hexachlorobenzene	16.734	284	19328	5.56	ng	#	92
69) Atrazine	16.875	200	16524	5.58	ng		98
70) Pentachlorophenol	17.081	266	7217	3.56	ng		97
71) Phenanthrene	17.474	178	77452	5.79	ng		96
72) Anthracene	17.563	178	79707	6.08	ng		94
73) Carbazole	17.833	167	68108	5.84	ng		97
74) Di-n-butylphthalate	18.385	149	85528	5.93	ng	#	97
75) Fluoranthene	19.478	202	108398	6.30	ng		92
77) Benzidine	19.654	184	42007	6.09	ng	#	93
78) Pyrene	19.842	202	110917	5.76	ng		96
80) Butylbenzylphthalate	20.718	149	38074	5.16	ng		95
81) Benzo(a)anthracene	21.675	228	113778	5.75	ng		98
82) 3,3'-Dichlorobenzidine	21.593	252	42032	5.86	ng	#	92
83) Chrysene	21.740	228	114949	6.10	ng		96
84) Bis(2-ethylhexyl)phtha...	21.575	149	57365	5.52	ng		91
85) Di-n-octyl phthalate	22.792	149	95021	5.44	ng	#	96
87) Indeno(1,2,3-cd)pyrene	28.608	276	123571	5.48	ng	#	53
88) Benzo(b)fluoranthene	23.902	252	112113	5.55	ng	#	92
89) Benzo(k)fluoranthene	23.961	252	110012	5.61	ng	#	96
90) Benzo(a)pyrene	24.772	252	99904	5.30	ng	#	98
91) Dibenzo(a,h)anthracene	28.661	278	98822	5.39	ng	#	95
92) Benzo(g,h,i)perylene	29.754	276	99457	5.46	ng		93

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

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