Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102720\
Data File : BG047093.D
Acq On : 27 Oct 2020 13:43
Operator : CG/JU
Sample : L4214-02
Misc : LOQ-SOIL-5ppm
ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations APPROVED
mohammad
10/28/2020 8:06:00 AM

Quant Time: Oct 27 14:17:51 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	8.055	152	38406	20.00	ng		0.00
21) Naphthalene-d8	10.870	136	145746	20.00	ng		0.00
39) Acenaphthene-d10	14.689	164	112294	20.00	ng		0.00
64) Phenanthrene-d10	17.432	188	284851	20.00	ng		# 0.00
76) Chrysene-d12	21.698	240	326314	20.00	ng		# 0.00
86) Perylene-d12	24.924	264	320655	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.611	112	317923	146.74	ng		0.00
7) Phenol-d6	7.209	99	441697	140.98	ng		0.00
23) Nitrobenzene-d5	9.219	82	323966	106.45	ng		0.00
42) 2,4,6-Tribromophenol	16.175	330	272607	151.45	ng		0.00
45) 2-Fluorobiphenyl	13.308	172	842182	106.03	ng		0.00
79) Terphenyl-d14	20.035	244	1751259	104.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.502	88	5973	6.10	ng		94
3) Pyridine	3.901	79	12095	4.55	ng		99
4) n-Nitrosodimethylamine	3.813	42	7114	5.05	ng	#	69
6) Aniline	7.374	93	19611	5.30	ng		93
8) 2-Chlorophenol	7.620	128	11544	5.01	ng		94
9) Benzaldehyde	7.192	77	12269	6.99	ng		95
10) Phenol	7.233	94	15744	5.32	ng	#	61
11) bis(2-Chloroethyl)ether	7.468	93	11649	5.00	ng		91
12) 1,3-Dichlorobenzene	7.944	146	14948	5.09	ng		96
13) 1,4-Dichlorobenzene	8.090	146	14667	4.95	ng		90
14) 1,2-Dichlorobenzene	8.414	146	13721	4.88	ng		90
15) Benzyl Alcohol	8.290	79	11765	4.82	ng	#	72
16) 2,2'-oxybis(1-Chloropr...	8.572	45	16766	4.55	ng		90
17) 2-Methylphenol	8.490	107	9860	4.85	ng	#	80
18) Hexachloroethane	9.142	117	5618	5.06	ng	#	82
19) n-Nitroso-di-n-propyla...	8.854	70	11053	5.18	ng	#	92
20) 3+4-Methylphenols	8.819	107	13083	4.77	ng		91
22) Acetophenone	8.872	105	20493	5.22	ng	#	92
24) Nitrobenzene	9.260	77	16948	5.36	ng	#	86
25) Isophorone	9.783	82	29477	5.42	ng	#	92
26) 2-Nitrophenol	9.976	139	6401	4.67	ng	#	86
27) 2,4-Dimethylphenol	10.029	122	10945	5.84	ng		90
28) bis(2-Chloroethoxy)met...	10.264	93	17027	5.07	ng		97
29) 2,4-Dichlorophenol	10.517	162	12759	4.95	ng		100
30) 1,2,4-Trichlorobenzene	10.729	180	16179	5.09	ng		93
31) Naphthalene	10.911	128	40896	5.36	ng	#	93
33) 4-Chloroaniline	11.028	127	16160	4.87	ng	#	88
34) Hexachlorobutadiene	11.210	225	12097	5.08	ng	#	81
35) Caprolactam	11.769	113	3972	4.63	ng		95
36) 4-Chloro-3-methylphenol	12.133	107	14129	5.28	ng	#	80
37) 2-Methylnaphthalene	12.521	142	31246	5.28	ng	#	81
38) 1-Methylnaphthalene	12.738	142	29684m	5.29	ng		
40) 1,2,4,5-Tetrachloroben...	12.885	216	22059	5.38	ng		97
41) Hexachlorocyclopentadiene	12.867	237	10789	4.81	ng		95
43) 2,4,6-Trichlorophenol	13.114	196	12093	4.52	ng	#	89
44) 2,4,5-Trichlorophenol	13.196	196	12966	4.77	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.519	154	44884	5.28	ng		97
47) 2-Chloronaphthalene	13.566	162	34568	4.94	ng		93
48) 2-Nitroaniline	13.766	65	9012	3.95	ng	#	81
49) Acenaphthylene	14.407	152	51513	5.07	ng		98
50) Dimethylphthalate	14.130	163	47372	5.12	ng		98
51) 2,6-Dinitrotoluene	14.254	165	9349	4.85	ng	#	77
52) Acenaphthene	14.747	154	33592	5.07	ng		97
53) 3-Nitroaniline	14.577	138	8528	4.45	ng		93
54) 2,4-Dinitrophenol	14.800	184	3435	2.70	ng	#	84
55) Dibenzofuran	15.082	168	57328	5.38	ng		96
56) 4-Nitrophenol	14.883	139	6971	4.65	ng		90
57) 2,4-Dinitrotoluene	15.041	165	13335	4.81	ng	#	84
58) Fluorene	15.729	166	46079	5.36	ng		93
59) 2,3,4,6-Tetrachlorophenol	15.306	232	14127m	4.90	ng		
60) Diethylphthalate	15.494	149	46885	5.09	ng		98
61) 4-Chlorophenyl-phenyle...	15.723	204	26772	5.22	ng		98
62) 4-Nitroaniline	15.740	138	8489m	4.12	ng		
63) Azobenzene	16.016	77	44834	5.47	ng		88
65) 4,6-Dinitro-2-methylph...	15.805	198	7791	4.45	ng		92
66) n-Nitrosodiphenylamine	15.934	169	41241	5.05	ng		98
67) 4-Bromophenyl-phenylether	16.616	248	18241	4.87	ng		98
68) Hexachlorobenzene	16.733	284	19839	5.02	ng		95
69) Atrazine	16.874	200	16471	4.90	ng		88
70) Pentachlorophenol	17.080	266	7968	3.46	ng	#	88
71) Phenanthrene	17.474	178	81210	5.34	ng		92
72) Anthracene	17.562	178	82451	5.53	ng		95
73) Carbazole	17.832	167	68560	5.17	ng		97
74) Di-n-butylphthalate	18.384	149	83111	5.07	ng	#	98
75) Fluoranthene	19.477	202	104217	5.33	ng		92
77) Benzidine	19.659	184	42404	5.69	ng	#	92
78) Pyrene	19.841	202	106978	5.14	ng		95
80) Butylbenzylphthalate	20.717	149	34813	4.37	ng		93
81) Benzo(a)anthracene	21.680	228	111711	5.23	ng		94
82) 3,3'-Dichlorobenzidine	21.592	252	41982	5.41	ng	#	94
83) Chrysene	21.745	228	108779	5.34	ng		96
84) Bis(2-ethylhexyl)phtha...	21.575	149	51021	4.54	ng	#	99
85) Di-n-octyl phthalate	22.791	149	88847	4.70	ng	#	98
87) Indeno(1,2,3-cd)pyrene	28.596	276	109296	4.67	ng	#	83
88) Benzo(b)fluoranthene	23.895	252	103532	4.94	ng	#	96
89) Benzo(k)fluoranthene	23.966	252	107846	5.30	ng	#	89
90) Benzo(a)pyrene	24.771	252	92844	4.74	ng	#	93
91) Dibenzo(a,h)anthracene	28.672	278	93371	4.91	ng	#	94
92) Benzo(g,h,i)perylene	29.747	276	97598	5.16	ng	#	93

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

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