

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102720\
 Data File : BG047092.D
 Acq On : 27 Oct 2020 13:02
 Operator : CG/JU
 Sample : L4214-02
 Misc : LOQ-SOIL-10ppm
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 10/28/2020 8:05:57 AM

Quant Time: Oct 27 14:17:14 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	34877	20.00	ng	0.00
21) Naphthalene-d8	10.870	136	141724	20.00	ng	# 0.00
39) Acenaphthene-d10	14.683	164	100136	20.00	ng	0.00
64) Phenanthrene-d10	17.427	188	253048	20.00	ng	# 0.00
76) Chrysene-d12	21.699	240	316895	20.00	ng	# 0.00
86) Perylene-d12	24.930	264	326680	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.612	112	283954	144.32	ng	0.00
7) Phenol-d6	7.210	99	385866	135.62	ng	0.00
23) Nitrobenzene-d5	9.219	82	318992	107.79	ng	0.00
42) 2,4,6-Tribromophenol	16.170	330	216289	134.76	ng	0.00
45) 2-Fluorobiphenyl	13.309	172	795138	112.27	ng	0.00
79) Terphenyl-d14	20.036	244	1631553	100.11	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.497	88	11743	13.21	ng	# 89
3) Pyridine	3.896	79	30672	12.71	ng	95
4) n-Nitrosodimethylamine	3.814	42	15623	12.22	ng	# 65
6) Aniline	7.374	93	42585	12.66	ng	97
8) 2-Chlorophenol	7.615	128	25159	12.03	ng	90
9) Benzaldehyde	7.186	77	26886	16.87	ng	85
10) Phenol	7.233	94	31426	11.69	ng	80
11) bis(2-Chloroethyl)ether	7.468	93	26577	12.57	ng	96
12) 1,3-Dichlorobenzene	7.944	146	32585	12.22	ng	# 93
13) 1,4-Dichlorobenzene	8.091	146	33191	12.33	ng	93
14) 1,2-Dichlorobenzene	8.408	146	30897	12.11	ng	94
15) Benzyl Alcohol	8.285	79	25686	11.58	ng	# 78
16) 2,2'-oxybis(1-Chloropr...	8.573	45	39623	11.84	ng	92
17) 2-Methylphenol	8.491	107	22175	12.01	ng	# 88
18) Hexachloroethane	9.137	117	11671	11.58	ng	83
19) n-Nitroso-di-n-propyla...	8.855	70	21822	11.26	ng	# 79
20) 3+4-Methylphenols	8.820	107	30115	12.09	ng	94
22) Acetophenone	8.873	105	43438	11.38	ng	# 89
24) Nitrobenzene	9.260	77	34346	11.18	ng	# 88
25) Isophorone	9.777	82	59700	11.28	ng	# 90
26) 2-Nitrophenol	9.977	139	14896	11.17	ng	# 90
27) 2,4-Dimethylphenol	10.024	122	22948	12.60	ng	97
28) bis(2-Chloroethoxy)met...	10.259	93	34527	10.56	ng	# 95
29) 2,4-Dichlorophenol	10.506	162	27763	11.07	ng	98
30) 1,2,4-Trichlorobenzene	10.729	180	34643	11.21	ng	98
31) Naphthalene	10.917	128	88077	11.88	ng	97
32) Benzoic acid	10.101	122	7763m	5.39	ng	
33) 4-Chloroaniline	11.017	127	32723	10.15	ng	# 90
34) Hexachlorobutadiene	11.199	225	24835	10.72	ng	97
35) Caprolactam	11.757	113	8647	10.36	ng	# 90
36) 4-Chloro-3-methylphenol	12.133	107	27847	10.70	ng	90
37) 2-Methylnaphthalene	12.521	142	64697	11.24	ng	# 96
38) 1-Methylnaphthalene	12.733	142	59994	11.00	ng	# 98
40) 1,2,4,5-Tetrachloroben...	12.880	216	43639	11.93	ng	# 97
41) Hexachlorocyclopentadiene	12.868	237	25824	12.92	ng	90
43) 2,4,6-Trichlorophenol	13.115	196	25328	10.62	ng	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.191	196	26552	10.96	ng	# 93
46) 1,1'-Biphenyl	13.520	154	89351	11.79	ng	95
47) 2-Chloronaphthalene	13.561	162	69162	11.08	ng	97
48) 2-Nitroaniline	13.761	65	20154	9.91	ng	84
49) Acenaphthylene	14.407	152	102665	11.33	ng	98
50) Dimethylphthalate	14.131	163	92590	11.23	ng	97
51) 2,6-Dinitrotoluene	14.249	165	19287	11.21	ng	# 71
52) Acenaphthene	14.748	154	66021	11.16	ng	95
53) 3-Nitroaniline	14.584	138	17749	10.38	ng	# 75
54) 2,4-Dinitrophenol	14.789	184	9371	8.25	ng	# 70
55) Dibenzofuran	15.083	168	111435	11.74	ng	97
56) 4-Nitrophenol	14.883	139	13016	9.73	ng	# 73
57) 2,4-Dinitrotoluene	15.036	165	27515	11.13	ng	# 83
58) Fluorene	15.729	166	87268	11.39	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.306	232	29758	11.57	ng	# 97
60) Diethylphthalate	15.488	149	94229	11.46	ng	93
61) 4-Chlorophenyl-phenyle...	15.723	204	54120	11.84	ng	98
62) 4-Nitroaniline	15.741	138	20471	11.15	ng	# 64
63) Azobenzene	16.017	77	88888	12.17	ng	90
65) 4,6-Dinitro-2-methylph...	15.806	198	16720	10.74	ng	88
66) n-Nitrosodiphenylamine	15.935	169	82846	11.41	ng	98
67) 4-Bromophenyl-phenylether	16.616	248	36140	10.86	ng	99
68) Hexachlorobenzene	16.734	284	37155	10.58	ng	91
69) Atrazine	16.875	200	34117	11.42	ng	89
70) Pentachlorophenol	17.081	266	21398	10.45	ng	98
71) Phenanthrene	17.468	178	155052	11.47	ng	98
72) Anthracene	17.562	178	157648	11.90	ng	95
73) Carbazole	17.827	167	138520	11.76	ng	97
74) Di-n-butylphthalate	18.385	149	177779	12.21	ng	# 98
75) Fluoranthene	19.478	202	216298	12.45	ng	97
77) Benzidine	19.654	184	104820	14.48	ng	97
78) Pyrene	19.836	202	225497	11.16	ng	97
80) Butylbenzylphthalate	20.718	149	79255	10.24	ng	95
81) Benzo(a)anthracene	21.675	228	234477	11.29	ng	97
82) 3,3'-Dichlorobenzidine	21.593	252	90912	12.07	ng	91
83) Chrysene	21.740	228	229721	11.62	ng	97
84) Bis(2-ethylhexyl)phtha...	21.575	149	116789	10.70	ng	# 94
85) Di-n-octyl phthalate	22.792	149	197915	10.79	ng	96
87) Indeno(1,2,3-cd)pyrene	28.602	276	254325	10.66	ng	# 86
88) Benzo(b)fluoranthene	23.896	252	236575	11.08	ng	# 94
89) Benzo(k)fluoranthene	23.967	252	230568	11.12	ng	# 95
90) Benzo(a)pyrene	24.772	252	206947	10.37	ng	# 97
91) Dibenzo(a,h)anthracene	28.673	278	214517	11.07	ng	# 91
92) Benzo(g,h,i)perylene	29.754	276	212933	11.06	ng	# 92

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

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