

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
 Data File : BG020974.D
 Acq On : 19 Feb 2016 16:18
 Operator : SJ/UM
 Sample : H1468-01MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMS

Manual Integrations
 APPROVED

UMANGI
 2/22/2016 10:55:24 AM

Quant Time: Feb 19 17:37:58 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	20543	20.00	ng	0.00
21) Naphthalene-d8	11.08	136	102975	20.00	ng	-0.01
38) Acenaphthene-d10	14.87	164	64647	20.00	ng	-0.01
63) Phenanthrene-d10	17.61	188	135116	20.00	ng	-0.01
75) Chrysene-d12	21.89	240	127144	20.00	ng	-0.02
86) Perylene-d12	25.25	264	118559	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.79	112	166874	136.80	ng	0.00
7) Phenol-d6	7.41	99	230382	129.21	ng	0.00
23) Nitrobenzene-d5	9.43	82	139333	88.97	ng	-0.01
41) 2,4,6-Tribromophenol	16.35	330	102519	161.26	ng	0.00
44) 2-Fluorobiphenyl	13.50	172	390959	84.95	ng	-0.01
78) Terphenyl-d14	20.18	244	518558	95.15	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.64	88	14374	32.41	ng	# 89
3) Pyridine	4.05	79	64042	48.81	ng	97
4) n-Nitrosodimethylamine	3.95	42	14624	42.61	ng	97
6) Aniline	7.58	93	40397	18.17	ng	99
8) 2-Chlorophenol	7.82	128	65207	42.79	ng	96
9) Benzaldehyde	7.39	77	7713m	8.64	ng	
10) Phenol	7.43	94	79363	42.06	ng	98
11) bis(2-Chloroethyl)ether	7.67	93	60312	40.02	ng	96
12) 1,3-Dichlorobenzene	8.15	146	63695	39.53	ng	99
13) 1,4-Dichlorobenzene	8.29	146	64356	39.40	ng	97
14) 1,2-Dichlorobenzene	8.62	146	64592	40.64	ng	98
15) Benzyl Alcohol	8.49	79	49371	43.93	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.79	45	59471	37.83	ng	99
17) 2-Methylphenol	8.69	107	60695	44.65	ng	99
18) Hexachloroethane	9.35	117	22382	39.85	ng	98
19) n-Nitroso-di-n-propylamine	9.06	70	47250	41.07	ng	99
20) 3+4-Methylphenols	9.02	107	83711	44.19	ng	97
22) Acetophenone	9.09	105	97633	39.33	ng	# 99
24) Nitrobenzene	9.48	77	66429	40.69	ng	98
25) Isophorone	9.99	82	138161	41.85	ng	99
26) 2-Nitrophenol	10.19	139	37091	43.17	ng	97
27) 2,4-Dimethylphenol	10.24	122	72690	44.15	ng	95
28) bis(2-Chloroethoxy)methane	10.47	93	88942	43.72	ng	98
29) 2,4-Dichlorophenol	10.73	162	70948	48.08	ng	98
30) 1,2,4-Trichlorobenzene	10.94	180	62657	42.16	ng	99
31) Naphthalene	11.14	128	265755	49.89	ng	98
32) Benzoic acid	10.36	122	47722	36.14	ng	98
33) 4-Chloroaniline	11.24	127	9639	4.21	ng	99
34) Hexachlorobutadiene	11.41	225	30787	40.64	ng	99
35) Caprolactam	12.01	113	26181m	46.31	ng	
36) 4-Chloro-3-methylphenol	12.34	107	84848	50.19	ng	100
37) 2-Methylnaphthalene	12.72	142	179770	48.10	ng	98
39) 1,2,4,5-Tetrachlorobenzene	13.08	216	73447	38.73	ng	98
40) Hexachlorocyclopentadiene	13.06	237	64176	76.92	ng	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.31	196	59075	46.37	nq	99
43) 2,4,5-Trichlorophenol	13.39	196	65446	48.86	nq	99
45) 1,1'-Biphenyl	13.71	154	229187	40.19	nq	99
46) 2-Chloronaphthalene	13.76	162	171746	42.06	nq	97
47) 2-Nitroaniline	13.96	65	46840	47.90	nq	98
48) Acenaphthylene	14.60	152	309286	43.56	nq	99
49) Dimethylphthalate	14.32	163	235709	46.63	nq	99
50) 2,6-Dinitrotoluene	14.44	165	52936	48.87	nq	97
51) Acenaphthene	14.94	154	211304	49.09	nq	99
52) 3-Nitroaniline	14.77	138	16323	12.97	nq	98
53) 2,4-Dinitrophenol	14.97	184	45646	97.33	nq	91
54) Dibenzofuran	15.27	168	292099	51.30	nq	99
55) 4-Nitrophenol	15.07	139	92543	97.35	nq	96
56) 2,4-Dinitrotoluene	15.22	165	73633	52.59	nq	99
57) Fluorene	15.91	166	252300	48.12	nq	99
58) 2,3,4,6-Tetrachlorophenol	15.49	232	55637	54.51	nq	100
59) Diethylphthalate	15.67	149	251448	48.39	nq	99
60) 4-Chlorophenyl-phenylether	15.90	204	107242	46.05	nq	94
61) 4-Nitroaniline	15.93	138	45414	35.94	nq	96
62) Azobenzene	16.19	77	200463	49.06	nq	99
64) 4,6-Dinitro-2-methylphenol	15.98	198	31914	46.65	nq	95
65) n-Nitrosodiphenylamine	16.11	169	183451	42.02	nq	99
66) 4-Bromophenyl-phenylether	16.79	248	66407	46.54	nq	99
67) Hexachlorobenzene	16.91	284	72194	47.54	nq	100
68) Atrazine	17.05	200	20475	15.46	nq	98
69) Pentachlorophenol	17.25	266	84432	96.99	nq	96
70) Phenanthrene	17.65	178	377693	49.10	nq	99
71) Anthracene	17.74	178	366253	46.91	nq	99
72) Carbazole	18.00	167	302869	43.23	nq	100
73) Di-n-butylphthalate	18.55	149	415808	46.28	nq	100
74) Fluoranthene	19.64	202	391468	47.11	nq	99
77) Pyrene	20.00	202	401730	47.90	nq	99
79) Butylbenzylphthalate	20.87	149	190414	47.42	nq	99
80) Benzo(a)anthracene	21.86	228	366221	48.25	nq	98
82) Chrysene	21.93	228	328789	46.06	nq	99
83) Bis(2-ethylhexyl)phthalate	21.75	149	275960	46.35	nq	99
84) Di-n-octyl phthalate	23.01	149	474210	48.53	nq	99
85) Indeno(1,2,3-cd)pyrene	29.11	276	396476	48.30	nq	97
87) Benzo(b)fluoranthene	24.18	252	356212	49.09	nq	99
88) Benzo(k)fluoranthene	24.25	252	345339	48.58	nq	99
89) Benzo(a)pyrene	25.10	252	343078	49.63	nq	99
90) Dibenzo(a,h)anthracene	29.18	278	326839	48.62	nq	98
91) Benzo(g,h,i)perylene	30.33	276	325180	48.73	nq	97

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

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