

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102020\
 Data File : BP003679.D
 Acq On : 20 Oct 2020 15:39
 Operator : CG/JU
 Sample : L4214-02
 Misc : LOQ-SOIL 10PPM
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 10/21/2020 12:51:05 PM

Quant Time: Oct 20 16:07:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP101920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 20 12:55:54 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.522	152	117907	20.00	ng	0.00
21) Naphthalene-d8	11.369	136	446548	20.00	ng	# 0.00
39) Acenaphthene-d10	15.122	164	303231	20.00	ng	0.00
64) Phenanthrene-d10	17.839	188	677548	20.00	ng	0.00
76) Chrysene-d12	21.845	240	695763	20.00	ng	# 0.00
86) Perylene-d12	24.416	264	651634	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.022	112	830114	117.73	ng	0.00
7) Phenol-d6	7.669	99	1119267	112.35	ng	0.00
23) Nitrobenzene-d5	9.693	82	892302	84.53	ng	0.00
42) 2,4,6-Tribromophenol	16.593	330	508419	107.47	ng	0.00
45) 2-Fluorobiphenyl	13.751	172	2013356	85.84	ng	0.00
79) Terphenyl-d14	20.304	244	3190339	80.65	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.687	88	29764	9.88	ng	# 85
3) Pyridine	4.128	79	81406	9.55	ng	# 92
4) n-Nitrosodimethylamine	4.023	42	34739	9.56	ng	# 62
6) Aniline	7.822	93	116036	10.49	ng	# 86
8) 2-Chlorophenol	8.087	128	69381	9.88	ng	# 79
9) Benzaldehyde	7.622	77	68483	13.03	ng	# 77
10) Phenol	7.699	94	93815	9.89	ng	77
11) bis(2-Chloroethyl)ether	7.905	93	73111	9.71	ng	90
12) 1,3-Dichlorobenzene	8.422	146	84839	9.37	ng	# 91
13) 1,4-Dichlorobenzene	8.563	146	86020	9.41	ng	# 94
14) 1,2-Dichlorobenzene	8.899	146	83253	9.61	ng	# 92
15) Benzyl Alcohol	8.752	79	70723	9.29	ng	# 85
16) 2,2'-oxybis(1-Chloropr...	9.052	45	70027	9.39	ng	99
17) 2-Methylphenol	8.969	107	61061	9.72	ng	# 88
18) Hexachloroethane	9.652	117	32734	9.29	ng	93
19) n-Nitroso-di-n-propyla...	9.322	70	57626	9.47	ng	# 85
20) 3+4-Methylphenols	9.299	107	82885	9.80	ng	91
22) Acetophenone	9.340	105	119042	9.11	ng	# 87
24) Nitrobenzene	9.734	77	95106	9.36	ng	# 76
25) Isophorone	10.258	82	154982	9.11	ng	# 87
26) 2-Nitrophenol	10.463	139	32453	8.55	ng	# 69
27) 2,4-Dimethylphenol	10.516	122	62112	10.42	ng	# 83
28) bis(2-Chloroethoxy)met...	10.728	93	95287	8.78	ng	# 98
29) 2,4-Dichlorophenol	11.010	162	66229	8.47	ng	94
30) 1,2,4-Trichlorobenzene	11.234	180	86044	8.59	ng	99
31) Naphthalene	11.416	128	217101	9.02	ng	99
32) Benzoic acid	10.599	122	17934m	5.07	ng	
33) 4-Chloroaniline	11.499	127	89655	9.04	ng	# 84
34) Hexachlorobutadiene	11.734	225	63980	8.46	ng	98
35) Caprolactam	12.199	113	18543	8.10	ng	# 69
36) 4-Chloro-3-methylphenol	12.599	107	74274	8.76	ng	85
37) 2-Methylnaphthalene	12.987	142	157630	9.02	ng	# 93
38) 1-Methylnaphthalene	13.199	142	148901m	9.02	ng	
40) 1,2,4,5-Tetrachloroben...	13.357	216	106305	8.85	ng	98
41) Hexachlorocyclopentadiene	13.351	237	68510	9.85	ng	99
43) 2,4,6-Trichlorophenol	13.575	196	56439	7.90	ng	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	13.651	196	62159	8.37	ng	#	94
46) 1,1'-Biphenyl	13.957	154	209475	8.86	ng		98
47) 2-Chloronaphthalene	14.010	162	164603	8.32	ng		98
48) 2-Nitroaniline	14.181	65	43064	7.37	ng	#	58
49) Acenaphthylene	14.846	152	244406	8.66	ng		100
50) Dimethylphthalate	14.540	163	206705	8.30	ng		98
51) 2,6-Dinitrotoluene	14.651	165	43867	8.66	ng	#	60
52) Acenaphthene	15.187	154	156438	8.21	ng		94
53) 3-Nitroaniline	14.987	138	39152	7.87	ng	#	65
54) 2,4-Dinitrophenol	15.187	184	13439	5.79	ng	#	1
55) Dibenzofuran	15.510	168	254875	8.85	ng		99
56) 4-Nitrophenol	15.287	139	28623	7.69	ng	#	38
57) 2,4-Dinitrotoluene	15.440	165	55199	8.05	ng	#	73
58) Fluorene	16.151	166	203383	8.75	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.740	232	56600	7.95	ng		94
60) Diethylphthalate	15.881	149	201838	8.27	ng		99
61) 4-Chlorophenyl-phenyle...	16.128	204	119328	8.49	ng		95
62) 4-Nitroaniline	16.134	138	39740	7.20	ng	#	51
63) Azobenzene	16.416	77	196532	8.57	ng		85
65) 4,6-Dinitro-2-methylph...	16.204	198	26676	7.47	ng		89
66) n-Nitrosodiphenylamine	16.334	169	173448	8.60	ng		100
67) 4-Bromophenyl-phenylether	17.016	248	74831	8.25	ng		98
68) Hexachlorobenzene	17.181	284	85551	8.19	ng		96
69) Atrazine	17.251	200	62504	7.95	ng		95
70) Pentachlorophenol	17.504	266	34088	6.61	ng		99
71) Phenanthrene	17.881	178	324180	8.61	ng		99
72) Anthracene	17.963	178	323334	8.89	ng		98
73) Carbazole	18.210	167	274655	8.49	ng		100
74) Di-n-butylphthalate	18.716	149	303490	7.68	ng	#	98
75) Fluoranthene	19.792	202	390438	8.44	ng		97
77) Benzidine	19.928	184	173944	10.43	ng		99
78) Pyrene	20.139	202	398565	8.55	ng		99
80) Butylbenzylphthalate	20.939	149	124113	7.27	ng	#	79
81) Benzo(a)anthracene	21.828	228	392105	8.45	ng		98
82) 3,3'-Dichlorobenzidine	21.733	252	145494	8.96	ng		95
83) Chrysene	21.886	228	382819	8.70	ng		99
84) Bis(2-ethylhexyl)phtha...	21.692	149	181106	7.41	ng	#	97
85) Di-n-octyl phthalate	22.651	149	294860	7.43	ng	#	92
87) Indeno(1,2,3-cd)pyrene	27.092	276	387268	8.28	ng	#	92
88) Benzo(b)fluoranthene	23.627	252	382863	8.42	ng	#	97
89) Benzo(k)fluoranthene	23.674	252	380202	8.76	ng	#	97
90) Benzo(a)pyrene	24.304	252	326431	8.05	ng	#	95
91) Dibenzo(a,h)anthracene	27.092	278	323991	8.29	ng	#	93
92) Benzo(g,h,i)perylene	27.915	276	310272	8.56	ng	#	91

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

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