

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091922\
 Data File : BP011732.D
 Acq On : 19 Sep 2022 12:42
 Operator : CG/JU
 Sample : N3980-03
 Misc : MDL-MDL-SOIL-8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Quant Time: Sep 19 13:47:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 13:46:28 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 09/20/2022
 Supervised By :Jagrut Upadhyay 09/22/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	402433	20.000	ng	0.00
21) Naphthalene-d8	10.751	136	1595062	20.000	ng	0.00
39) Acenaphthene-d10	14.581	164	873183	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	1670965	20.000	ng	# 0.00
76) Chrysene-d12	21.416	240	1491241	20.000	ng	# 0.00
86) Perylene-d12	23.874	264	1406724	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	2239394	101.288	ng	0.00
7) Phenol-d6	7.099	99	2892411	98.142	ng	0.00
23) Nitrobenzene-d5	9.104	82	1861335	69.208	ng	0.00
42) 2,4,6-Tribromophenol	16.075	330	616617	90.380	ng	0.00
45) 2-Fluorobiphenyl	13.210	172	3924370	69.862	ng	0.00
79) Terphenyl-d14	19.886	244	4857941	70.840	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.375	88	73734	7.573	ng	# 88
3) Pyridine	3.793	79	173578	6.184	ng	# 79
4) n-Nitrosodimethylamine	3.693	42	78753	7.318	ng	# 55
6) Aniline	7.263	93	269022	7.410	ng	92
8) 2-Chlorophenol	7.499	128	184455	7.036	ng	96
9) Benzaldehyde	7.081	77	164260	8.707	ng	92
10) Phenol	7.122	94	238651	7.199	ng	87
11) bis(2-Chloroethyl)ether	7.363	93	189028	7.158	ng	93
12) 1,3-Dichlorobenzene	7.828	146	205930	7.083	ng	95
13) 1,4-Dichlorobenzene	7.975	146	209526	7.087	ng	98
14) 1,2-Dichlorobenzene	8.293	146	203301	7.213	ng	95
15) Benzyl Alcohol	8.181	79	141138	6.708	ng	# 90
16) 2,2'-oxybis(1-Chloropr...	8.469	45	265541	7.528	ng	95
17) 2-Methylphenol	8.381	107	141992	6.597	ng	# 92
18) Hexachloroethane	9.028	117	71741	7.015	ng	91
19) n-Nitroso-di-n-propyla...	8.752	70	124637	6.532	ng	88
20) 3+4-Methylphenols	8.710	107	184618	6.246	ng	93
22) Acetophenone	8.769	105	270860	7.244	ng	# 90
24) Nitrobenzene	9.152	77	204857	7.321	ng	93
25) Isophorone	9.681	82	317779	6.679	ng	# 97
26) 2-Nitrophenol	9.863	139	60426	5.264	ng	# 85
27) 2,4-Dimethylphenol	9.922	122	147629	7.422	ng	89
28) bis(2-Chloroethoxy)met...	10.163	93	232831	7.653	ng	97
29) 2,4-Dichlorophenol	10.399	162	134953	6.125	ng	98
30) 1,2,4-Trichlorobenzene	10.616	180	166149	6.811	ng	96
31) Naphthalene	10.804	128	578456	6.988	ng	99
32) Benzoic acid	9.981	122	44750	3.006	ng	# 84
33) 4-Chloroaniline	10.916	127	216016	6.652	ng	# 91
34) Hexachlorobutadiene	11.093	225	86528	6.439	ng	98
35) Caprolactam	11.687	113	32910	4.609	ng	# 80
36) 4-Chloro-3-methylphenol	12.034	107	141850	5.986	ng	95
37) 2-Methylnaphthalene	12.410	142	367977	6.643	ng	97
38) 1-Methylnaphthalene	12.628	142	350664	6.475	ng	100
40) 1,2,4,5-Tetrachloroben...	12.775	216	163724	7.104	ng	97
41) Hexachlorocyclopentadiene	12.757	237	87223	7.583	ng	100
43) 2,4,6-Trichlorophenol	13.016	196	88483	5.644	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091922\
 Data File : BP011732.D
 Acq On : 19 Sep 2022 12:42
 Operator : CG/JU
 Sample : N3980-03
 Misc : MDL-MDL-SOIL-8ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Quant Time: Sep 19 13:47:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 13:46:28 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/20/2022
 Supervised By : Jagrut Upadhyay 09/22/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.087	196	102707	5.860	ng	98
46) 1,1'-Biphenyl	13.416	154	481236	7.576	ng	99
47) 2-Chloronaphthalene	13.457	162	353452	7.072	ng	99
48) 2-Nitroaniline	13.663	65	77328	5.517	ng	91
49) Acenaphthylene	14.304	152	509284	6.586	ng	99
50) Dimethylphthalate	14.040	163	401459	6.590	ng	99
51) 2,6-Dinitrotoluene	14.157	165	68579	5.552	ng	95
52) Acenaphthene	14.645	154	344176m	6.691	ng	
53) 3-Nitroaniline	14.487	138	74207	5.209	ng	# 97
54) 2,4-Dinitrophenol	14.687	184	21987	3.654	ng	93
55) Dibenzofuran	14.981	168	519951	7.019	ng	98
56) 4-Nitrophenol	14.787	139	53204	4.433	ng	# 82
57) 2,4-Dinitrotoluene	14.939	165	79189	4.949	ng	93
58) Fluorene	15.634	166	409905	6.822	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.204	232	76074m	5.283	ng	
60) Diethylphthalate	15.404	149	385224	6.352	ng	98
61) 4-Chlorophenyl-phenyle...	15.628	204	188364	6.782	ng	97
62) 4-Nitroaniline	15.645	138	68641	4.794	ng	86
63) Azobenzene	15.922	77	371842	6.380	ng	92
65) 4,6-Dinitro-2-methylph...	15.704	198	31239	3.823	ng	93
66) n-Nitrosodiphenylamine	15.839	169	331735	6.672	ng	98
67) 4-Bromophenyl-phenylether	16.522	248	95938	6.133	ng	94
68) Hexachlorobenzene	16.634	284	109888	6.523	ng	# 89
69) Atrazine	16.792	200	95667	6.304	ng	95
70) Pentachlorophenol	16.986	266	48342	4.523	ng	98
71) Phenanthrene	17.381	178	619881	6.818	ng	98
72) Anthracene	17.469	178	577055	6.711	ng	99
73) Carbazole	17.739	167	537171	6.621	ng	100
74) Di-n-butylphthalate	18.292	149	559862	5.726	ng	99
75) Fluoranthene	19.339	202	629085	6.415	ng	95
77) Benzidine	19.522	184	269412	7.597	ng	98
78) Pyrene	19.692	202	661626	6.578	ng	98
80) Butylbenzylphthalate	20.563	149	215782	5.120	ng	98
81) Benzo(a)anthracene	21.398	228	627143	6.525	ng	97
82) 3,3'-Dichlorobenzidine	21.333	252	196361	6.726	ng	# 98
83) Chrysene	21.457	228	606994	6.610	ng	99
84) Bis(2-ethylhexyl)phtha...	21.322	149	316881	5.226	ng	# 97
85) Di-n-octyl phthalate	22.269	149	484277	4.654	ng	97
87) Indeno(1,2,3-cd)pyrene	26.439	276	626779	6.185	ng	# 88
88) Benzo(b)fluoranthene	23.116	252	601045	6.908	ng	# 96
89) Benzo(k)fluoranthene	23.168	252	587708	6.703	ng	# 97
90) Benzo(a)pyrene	23.763	252	485537	6.755	ng	# 96
91) Dibenzo(a,h)anthracene	26.462	278	556785	6.616	ng	# 93
92) Benzo(g,h,i)perylene	27.227	276	549302	6.695	ng	# 93

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

