

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021423\
 Data File : BM038737.D
 Acq On : 14 Feb 2023 19:25
 Operator : CG/JU
 Sample : 01542-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOILMSD

Quant Time: Feb 15 02:10:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 02:07:17 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo

02/15/2023
 Supervised By :Jagrut
 Upadhyay

02/17/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.899	152	42131	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	144757	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	91016	20.000	ng	0.00
64) Phenanthrene-d10	17.286	188	176903	20.000	ng	0.00
76) Chrysene-d12	21.462	240	157861	20.000	ng	0.00
86) Perylene-d12	23.839	264	225090	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	262235	121.928	ng	0.00
7) Phenol-d6	7.075	99	300516	122.511	ng	0.00
23) Nitrobenzene-d5	9.075	82	176138	69.114	ng	0.00
42) 2,4,6-Tribromophenol	16.033	330	139082	112.425	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	469242	65.636	ng	0.00
79) Terphenyl-d14	19.904	244	552493	61.761	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.311	88	39403	41.557	ng	97
3) Pyridine	3.728	79	96015	42.585	ng	93
4) n-Nitrosodimethylamine	3.640	42	45311	44.517	ng	89
6) Aniline	7.234	93	70871	23.162	ng	93
8) 2-Chlorophenol	7.463	128	123214	52.502	ng	96
9) Benzaldehyde	7.040	77	53379	49.372	ng	90
10) Phenol	7.104	94	131990	53.262	ng	91
11) bis(2-Chloroethyl)ether	7.328	93	98838	49.250	ng	97
12) 1,3-Dichlorobenzene	7.787	146	156157	52.078	ng	97
13) 1,4-Dichlorobenzene	7.934	146	154742	51.135	ng	99
14) 1,2-Dichlorobenzene	8.251	146	149473	51.559	ng	100
15) Benzyl Alcohol	8.152	79	83826m	46.429	ng	
16) 2,2'-oxybis(1-Chloropr...	8.428	45	84220	44.305	ng	98
17) 2-Methylphenol	8.357	107	88964	46.803	ng	95
18) Hexachloroethane	8.975	117	51213	52.403	ng	94
19) n-Nitroso-di-n-propyla...	8.716	70	68043	46.019	ng	95
20) 3+4-Methylphenols	8.687	107	120018	47.357	ng	95
22) Acetophenone	8.734	105	156946	45.463	ng	98
24) Nitrobenzene	9.116	77	112704	43.570	ng	93
25) Isophorone	9.640	82	193967	43.447	ng	99
26) 2-Nitrophenol	9.828	139	71376	49.587	ng	96
27) 2,4-Dimethylphenol	9.887	122	104614	50.373	ng	94
28) bis(2-Chloroethoxy)met...	10.128	93	123529	45.276	ng	98
29) 2,4-Dichlorophenol	10.363	162	132703	44.976	ng	98
30) 1,2,4-Trichlorobenzene	10.569	180	136060	43.352	ng	99
31) Naphthalene	10.757	128	355577	47.868	ng	98
32) Benzoic acid	10.040	122	78184m	46.507	ng	
33) 4-Chloroaniline	10.887	127	22266	6.840	ng	93
34) Hexachlorobutadiene	11.028	225	69121	43.964	ng	97
35) Caprolactam	11.681	113	29125	45.835	ng	95
36) 4-Chloro-3-methylphenol	12.010	107	96817	44.377	ng	95
37) 2-Methylnaphthalene	12.369	142	260767	43.440	ng	99
38) 1-Methylnaphthalene	12.586	142	247013	43.669	ng	98
40) 1,2,4,5-Tetrachloroben...	12.734	216	111236	46.960	ng	# 97
41) Hexachlorocyclopentadiene	12.704	237	145876	99.244	ng	97
43) 2,4,6-Trichlorophenol	12.981	196	89413	48.048	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021423\
 Data File : BM038737.D
 Acq On : 14 Feb 2023 19:25
 Operator : CG/JU
 Sample : 01542-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOILMSD

Manual Integrations
 APPROVED

Reviewed By :Christian
 Giraldo

02/15/2023
 Supervised By :Jagrut
 Upadhyay

Quant Time: Feb 15 02:10:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 02:07:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.057	196	94190	43.012	ng	95
46) 1,1'-Biphenyl	13.375	154	357100	49.530	ng	98
47) 2-Chloronaphthalene	13.422	162	286565	50.511	ng	98
48) 2-Nitroaniline	13.639	65	55024	43.203	ng	86
49) Acenaphthylene	14.263	152	437446	48.954	ng	98
50) Dimethylphthalate	14.004	163	340875	45.894	ng	100
51) 2,6-Dinitrotoluene	14.133	165	72615	48.102	ng	98
52) Acenaphthene	14.604	154	260243	48.775	ng	99
53) 3-Nitroaniline	14.463	138	28124	18.826	ng	97
54) 2,4-Dinitrophenol	14.675	184	88163	89.725	ng	92
55) Dibenzofuran	14.939	168	416159	45.294	ng	99
56) 4-Nitrophenol	14.780	139	127912	105.649	ng	92
57) 2,4-Dinitrotoluene	14.922	165	100058	45.024	ng	96
58) Fluorene	15.586	166	336387	46.271	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.169	232	72641	47.661	ng	99
60) Diethylphthalate	15.363	149	332737	47.288	ng	96
61) 4-Chlorophenyl-phenyle...	15.580	204	136515	44.263	ng	97
62) 4-Nitroaniline	15.627	138	69208m	42.877	ng	
63) Azobenzene	15.875	77	271685	50.186	ng	98
65) 4,6-Dinitro-2-methylph...	15.680	198	49198	44.178	ng	94
66) n-Nitrosodiphenylamine	15.798	169	279079	48.315	ng	99
67) 4-Bromophenyl-phenylether	16.474	248	82144	48.091	ng	96
68) Hexachlorobenzene	16.586	284	107270	51.386	ng	97
69) Atrazine	16.751	200	88131	52.643	ng	98
70) Pentachlorophenol	16.939	266	130866	85.996	ng	98
71) Phenanthrene	17.327	178	510481	48.599	ng	99
72) Anthracene	17.416	178	515395	47.963	ng	99
73) Carbazole	17.692	167	500703	49.961	ng	99
74) Di-n-butylphthalate	18.245	149	590759	52.175	ng	100
75) Fluoranthene	19.339	202	527631	47.842	ng	98
77) Benzidine	19.533	184	313441	64.915	ng	99
78) Pyrene	19.704	202	562019	46.242	ng	100
80) Butylbenzylphthalate	20.592	149	275059	45.563	ng	96
81) Benzo(a)anthracene	21.445	228	544380	48.751	ng	100
82) 3,3'-Dichlorobenzidine	21.386	252	106801	27.800	ng	96
83) Chrysene	21.498	228	512513	47.636	ng	99
84) Bis(2-ethylhexyl)phtha...	21.362	149	400352	45.551	ng	98
85) Di-n-octyl phthalate	22.280	149	719394	50.286	ng	100
87) Indeno(1,2,3-cd)pyrene	26.321	276	937579	52.882	ng	98
88) Benzo(b)fluoranthene	23.115	252	668687	49.599	ng	98
89) Benzo(k)fluoranthene	23.168	252	673409	49.188	ng	99
90) Benzo(a)pyrene	23.739	252	617667	46.328	ng	99
91) Dibenzo(a,h)anthracene	26.333	278	795583	53.336	ng	99
92) Benzo(g,h,i)perylene	27.080	276	762573	50.575	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021423\
Data File : BM038737.D
Acq On : 14 Feb 2023 19:25
Operator : CG/JU
Sample : 01542-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

SOILMSD

Manual Integrations

APPROVED

Reviewed By :Christian
Giraldo

02/15/2023

Supervised By :Jagrut
Upadhyay

02/17/2023

