

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031623\
 Data File : BM039021.D
 Acq On : 16 Mar 2023 18:13
 Operator : CG/JU
 Sample : 01627-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

Quant Time: Mar 17 06:17:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 06:13:01 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/17/2023
 Supervised By : Jagrut Upadhyay 03/17/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	324072	20.000	ng	0.00
21) Naphthalene-d8	10.792	136	1303163	20.000	ng	0.00
39) Acenaphthene-d10	14.616	164	754455	20.000	ng	0.00
64) Phenanthrene-d10	17.362	188	1493343	20.000	ng	0.00
76) Chrysene-d12	21.539	240	1235775	20.000	ng	0.00
86) Perylene-d12	23.980	264	1252468	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	2225635	104.341	ng	0.00
7) Phenol-d6	7.134	99	2904283	104.824	ng	0.00
23) Nitrobenzene-d5	9.145	82	2032811	76.624	ng	0.00
42) 2,4,6-Tribromophenol	16.104	330	853946	97.842	ng	0.00
45) 2-Fluorobiphenyl	13.245	172	4090893	70.588	ng	0.00
79) Terphenyl-d14	19.980	244	5231773	77.404	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.399	88	35364	3.727	ng	98
3) Pyridine	3.816	79	69353m	2.635	ng	
4) n-Nitrosodimethylamine	3.716	42	37205	3.474	ng	# 94
6) Aniline	7.304	93	122383	3.364	ng	96
8) 2-Chlorophenol	7.534	128	78896	3.474	ng	94
9) Benzaldehyde	7.110	77	82118m	6.228	ng	
10) Phenol	7.157	94	105052	3.570	ng	90
11) bis(2-Chloroethyl)ether	7.398	93	82857	3.464	ng	97
12) 1,3-Dichlorobenzene	7.863	146	86581	3.588	ng	98
13) 1,4-Dichlorobenzene	8.010	146	88528	3.607	ng	97
14) 1,2-Dichlorobenzene	8.334	146	85173	3.603	ng	99
15) Benzyl Alcohol	8.216	79	68012	3.425	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.510	45	119178	3.945	ng	99
17) 2-Methylphenol	8.416	107	61770	3.056	ng	99
18) Hexachloroethane	9.063	117	31724	3.503	ng	93
19) n-Nitroso-di-n-propyla...	8.786	70	62892	3.604	ng	98
20) 3+4-Methylphenols	8.745	107	79280	2.938	ng	98
22) Acetophenone	8.804	105	127350	3.483	ng	# 98
24) Nitrobenzene	9.186	77	104688	3.754	ng	99
25) Isophorone	9.710	82	159709	3.271	ng	97
26) 2-Nitrophenol	9.898	139	31042	2.817	ng	94
27) 2,4-Dimethylphenol	9.957	122	65810	3.094	ng	98
28) bis(2-Chloroethoxy)met...	10.198	93	107399	3.424	ng	99
29) 2,4-Dichlorophenol	10.433	162	57650	2.859	ng	98
30) 1,2,4-Trichlorobenzene	10.651	180	72007	3.267	ng	99
31) Naphthalene	10.839	128	249445	3.357	ng	99
33) 4-Chloroaniline	10.951	127	95657	3.021	ng	99
34) Hexachlorobutadiene	11.128	225	39279	3.108	ng	97
35) Caprolactam	11.716	113	16911m	2.755	ng	
36) 4-Chloro-3-methylphenol	12.063	107	62558	2.913	ng	93
37) 2-Methylnaphthalene	12.445	142	159042	3.193	ng	100
38) 1-Methylnaphthalene	12.663	142	148588	3.184	ng	98
40) 1,2,4,5-Tetrachloroben...	12.810	216	76869	3.134	ng	99
41) Hexachlorocyclopentadiene	12.792	237	43568	3.236	ng	98
43) 2,4,6-Trichlorophenol	13.051	196	40955	2.579	ng	97
44) 2,4,5-Trichlorophenol	13.116	196	46456	2.499	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031623\
 Data File : BM039021.D
 Acq On : 16 Mar 2023 18:13
 Operator : CG/JU
 Sample : 01627-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

Quant Time: Mar 17 06:17:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 17 06:13:01 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 03/17/2023
 Supervised By :Jagrut Upadhyay 03/17/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.451	154	221462	3.465	ng	99
47) 2-Chloronaphthalene	13.492	162	159689	3.313	ng	97
48) 2-Nitroaniline	13.698	65	37192	2.687	ng	94
49) Acenaphthylene	14.339	152	226135	2.946	ng	98
50) Dimethylphthalate	14.074	163	184944	3.186	ng	99
51) 2,6-Dinitrotoluene	14.186	165	28883	2.447	ng	# 66
52) Acenaphthene	14.680	154	150135	3.182	ng	99
53) 3-Nitroaniline	14.516	138	32714	2.391	ng	86
55) Dibenzofuran	15.010	168	238657	3.233	ng	99
56) 4-Nitrophenol	14.816	139	24076	2.088	ng	88
57) 2,4-Dinitrotoluene	14.974	165	33487	2.215	ng	# 81
58) Fluorene	15.663	166	182439	3.155	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.233	232	40572	2.830	ng	97
60) Diethylphthalate	15.433	149	172947	3.062	ng	99
61) 4-Chlorophenyl-phenyle...	15.657	204	88180	3.104	ng	96
62) 4-Nitroaniline	15.674	138	29602	2.168	ng	89
63) Azobenzene	15.951	77	173990	2.911	ng	99
66) n-Nitrosodiphenylamine	15.868	169	145746	2.895	ng	99
67) 4-Bromophenyl-phenylether	16.551	248	48329	2.996	ng	93
68) Hexachlorobenzene	16.662	284	57028	3.163	ng	98
69) Atrazine	16.815	200	41765	3.037	ng	97
71) Phenanthrene	17.404	178	282563	3.224	ng	98
72) Anthracene	17.492	178	252112	2.884	ng	99
73) Carbazole	17.762	167	232410	2.913	ng	98
74) Di-n-butylphthalate	18.327	149	238434	2.691	ng	99
75) Fluoranthene	19.415	202	269932	2.917	ng	98
77) Benzidine	19.603	184	105705	4.104	ng	99
78) Pyrene	19.780	202	290193	3.127	ng	98
80) Butylbenzylphthalate	20.674	149	89383	2.593	ng	95
81) Benzo(a)anthracene	21.527	228	272667	3.064	ng	99
82) 3,3'-Dichlorobenzidine	21.456	252	81722	2.988	ng	99
83) Chrysene	21.580	228	274806	3.175	ng	99
84) Bis(2-ethylhexyl)phtha...	21.450	149	128984	2.550	ng	97
85) Di-n-octyl phthalate	22.391	149	193411	2.214	ng	# 95
87) Indeno(1,2,3-cd)pyrene	26.509	276	265153	2.782	ng	96
88) Benzo(b)fluoranthene	23.233	252	252247	3.152	ng	98
89) Benzo(k)fluoranthene	23.280	252	258206	3.101	ng	98
90) Benzo(a)pyrene	23.868	252	203601	2.644	ng	# 97
91) Dibenzo(a,h)anthracene	26.527	278	229087	2.838	ng	96
92) Benzo(g,h,i)perylene	27.291	276	222851	2.822	ng	97

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

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Manual Integrations

Reviewed By :Christian Giraldo 03/17/2023
Supervised By :Jaqrut Upadhyay 03/17/2023

