

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032122\
 Data File : BM034294.D
 Acq On : 21 Mar 2022 18:53
 Operator : CG/JU
 Sample : M4068-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

Quant Time: Mar 22 04:10:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 16 02:38:26 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/22/2022
 Supervised By : Jagrut Upadhyay 03/22/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.943	152	162795	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	646854	20.000	ng	-0.01
39) Acenaphthene-d10	14.583	164	438142	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	940041	20.000	ng	0.00
76) Chrysene-d12	21.495	240	976897	20.000	ng	0.00
86) Perylene-d12	23.906	264	980496	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	1044189	115.067	ng	0.00
7) Phenol-d6	7.101	99	1509236	116.160	ng	0.00
23) Nitrobenzene-d5	9.107	82	1169786	88.046	ng	0.00
42) 2,4,6-Tribromophenol	16.066	330	735236	124.498	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	2751562	85.816	ng	0.00
79) Terphenyl-d14	19.942	244	4567255	81.238	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.355	88	16313	3.973	ng	95
3) Pyridine	3.772	79	32935m	2.964	ng	
4) n-Nitrosodimethylamine	3.672	42	17599	3.336	ng	# 90
6) Aniline	7.266	93	58152	3.917	ng	100
8) 2-Chlorophenol	7.501	128	37931	3.574	ng	92
9) Benzaldehyde	7.072	77	38744m	5.535	ng	
10) Phenol	7.125	94	46242	3.579	ng	91
11) bis(2-Chloroethyl)ether	7.360	93	40373	3.806	ng	98
12) 1,3-Dichlorobenzene	7.831	146	44599	3.704	ng	97
13) 1,4-Dichlorobenzene	7.978	146	44758	3.631	ng	98
14) 1,2-Dichlorobenzene	8.301	146	43678	3.635	ng	96
15) Benzyl Alcohol	8.184	79	31650	3.061	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.484	45	55343	3.802	ng	98
17) 2-Methylphenol	8.384	107	30683	3.390	ng	97
18) Hexachloroethane	9.031	117	16944	3.727	ng	94
19) n-Nitroso-di-n-propyla...	8.754	70	32563	3.465	ng	98
20) 3+4-Methylphenols	8.713	107	37861	3.025	ng	100
22) Acetophenone	8.766	105	62339	3.755	ng	95
24) Nitrobenzene	9.148	77	47127	3.799	ng	98
25) Isophorone	9.678	82	86300	3.882	ng	99
26) 2-Nitrophenol	9.866	139	16131	2.932	ng	98
27) 2,4-Dimethylphenol	9.925	122	33823	3.927	ng	95
28) bis(2-Chloroethoxy)met...	10.160	93	50915	3.577	ng	96
29) 2,4-Dichlorophenol	10.401	162	30343	3.032	ng	98
30) 1,2,4-Trichlorobenzene	10.619	180	42628	3.747	ng	96
31) Naphthalene	10.807	128	128675	3.818	ng	100
32) Benzoic acid	9.984	122	7646	1.073	ng	# 70
33) 4-Chloroaniline	10.919	127	41455	3.118	ng	99
34) Hexachlorobutadiene	11.101	225	25982	3.606	ng	95
35) Caprolactam	11.666	113	11074m	3.183	ng	
36) 4-Chloro-3-methylphenol	12.036	107	35246	3.073	ng	100
37) 2-Methylnaphthalene	12.419	142	88048	3.662	ng	99
38) 1-Methylnaphthalene	12.636	142	89414	3.801	ng	98
40) 1,2,4,5-Tetrachloroben...	12.783	216	49341	3.732	ng	98
41) Hexachlorocyclopentadiene	12.772	237	28238	3.688	ng	99
43) 2,4,6-Trichlorophenol	13.019	196	26525	2.906	ng	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.089	196	28459	2.904	ng	97
46) 1,1'-Biphenyl	13.419	154	127802	3.825	ng	99
47) 2-Chloronaphthalene	13.460	162	93222	3.635	ng	97
48) 2-Nitroaniline	13.660	65	21409	2.731	ng	97
49) Acenaphthylene	14.307	152	148745	3.722	ng	99
50) Dimethylphthalate	14.036	163	122953	3.687	ng	100
51) 2,6-Dinitrotoluene	14.148	165	23498	3.435	ng	94
52) Acenaphthene	14.648	154	95912	3.563	ng	97
53) 3-Nitroaniline	14.483	138	17331	2.526	ng	# 88
54) 2,4-Dinitrophenol	14.683	184	5795	1.512	ng	96
55) Dibenzofuran	14.977	168	148716	3.707	ng	100
56) 4-Nitrophenol	14.789	139	10318m	1.855	ng	
57) 2,4-Dinitrotoluene	14.936	165	28278	3.059	ng	97
58) Fluorene	15.624	166	120384	3.696	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.207	232	28763	3.255	ng	99
60) Diethylphthalate	15.395	149	126160	3.688	ng	99
61) 4-Chlorophenyl-phenyle...	15.619	204	59499	3.578	ng	95
62) 4-Nitroaniline	15.642	138	15645m	2.370	ng	
63) Azobenzene	15.913	77	114246	3.463	ng	99
65) 4,6-Dinitro-2-methylph...	15.695	198	12153	1.988	ng	85
66) n-Nitrosodiphenylamine	15.830	169	100448	3.363	ng	98
67) 4-Bromophenyl-phenylether	16.513	248	36920	3.416	ng	98
68) Hexachlorobenzene	16.636	284	44638	3.703	ng	98
69) Atrazine	16.777	200	36516	3.710	ng	99
70) Pentachlorophenol	16.971	266	21205	2.751	ng	97
71) Phenanthrene	17.366	178	194185	3.689	ng	98
72) Anthracene	17.454	178	181351	3.539	ng	99
73) Carbazole	17.724	167	144286	3.019	ng	96
74) Di-n-butylphthalate	18.289	149	192879	3.247	ng	99
75) Fluoranthene	19.377	202	220750	3.741	ng	99
77) Benzidine	19.571	184	53518m	3.738	ng	
78) Pyrene	19.736	202	231483	3.363	ng	98
80) Butylbenzylphthalate	20.630	149	84987	2.920	ng	98
81) Benzo(a)anthracene	21.477	228	225522	3.658	ng	99
82) 3,3'-Dichlorobenzidine	21.412	252	60136	2.920	ng	97
83) Chrysene	21.530	228	221117	3.512	ng	99
84) Bis(2-ethylhexyl)phtha...	21.406	149	128902	2.999	ng	98
85) Di-n-octyl phthalate	22.336	149	214330	3.141	ng	99
87) Indeno(1,2,3-cd)pyrene	26.418	276	174220	2.762	ng	99
88) Benzo(b)fluoranthene	23.171	252	201554	3.438	ng	100
89) Benzo(k)fluoranthene	23.218	252	225648	3.633	ng	99
90) Benzo(a)pyrene	23.800	252	184857	3.719	ng	100
91) Dibenzo(a,h)anthracene	26.441	278	145554	2.846	ng	98
92) Benzo(g,h,i)perylene	27.194	276	169573	3.203	ng	96

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

Manual Integrations

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