

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011323\
 Data File : BN023645.D
 Acq On : 12 Jan 2023 15:16
 Operator : CG/JU
 Sample : N4239-06
 Misc : SFAM-MDL-MES-02-4PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-06

Quant Time: Jan 12 15:56:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 05 03:34:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/13/2023
 Supervised By :mohammad ahmed 01/13/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	216198	20.000	ng/u1	-0.01
20) Naphthalene-d8	10.757	136	965078	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.598	164	611278	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.345	188	1337216	20.000	ng/u1	0.00
79) Chrysene-d12	21.533	240	1312313	20.000	ng/u1	-0.01
88) Perylene-d12	23.962	264	1312352	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	20478	4.076	ng/uL	0.00
4) Pyridine-d5	3.728	84	186078	12.344	ng/u1	0.00
7) Phenol-d5	7.105	99	338917	17.688	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.269	67	216763	18.440	ng/u1	0.00
11) 2-Chlorophenol-d4	7.469	132	279942	19.076	ng/u1	0.00
15) 4-Methylphenol-d8	8.657	113	272792	17.837	ng/u1	-0.01
21) Nitrobenzene-d5	9.116	128	135597	18.633	ng/u1	0.00
24) 2-Nitrophenol-d4	9.840	143	142677	18.520	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.375	165	266508	18.137	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.898	131	394073	17.049	ng/u1	-0.01
46) Dimethylphthalate-d6	14.010	166	794142	17.464	ng/u1	0.00
49) Acenaphthylene-d8	14.292	160	928946	18.438	ng/u1	0.00
54) 4-Nitrophenol-d4	14.792	143	151522	16.368	ng/u1	-0.01
60) Fluorene-d10	15.586	176	714858	18.398	ng/u1	-0.01
65) 4,6-Dinitro-2-methylph...	15.710	200	122155	15.143	ng/u1	0.00
73) Anthracene-d10	17.445	188	1087027	18.166	ng/u1	0.00
81) Pyrene-d10	19.739	212	1344938	17.920	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.804	264	1250759	19.272	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.334	88	6647	1.253	ng/uL	94
5) Pyridine	3.752	79	57912	3.753	ng/u1#	83
6) Benzaldehyde	7.075	77	42042	5.665	ng/u1	98
8) Phenol	7.128	94	81294	4.168	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.363	93	66502	4.315	ng/u1	99
12) 2-Chlorophenol	7.505	128	64548	4.256	ng/u1	99
13) 2-Methylphenol	8.393	108	56905	3.877	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.475	45	91554	4.442	ng/u1	98
16) Acetophenone	8.775	105	102074	4.318	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.757	70	48959	4.114	ng/u1	97
18) 4-Methylphenol	8.722	108	66470	4.112	ng/u1	91
19) Hexachloroethane	9.028	117	25979	4.283	ng/u1	97
22) Nitrobenzene	9.157	77	78345	4.301	ng/u1	99
23) Isophorone	9.681	82	128251	3.893	ng/u1	99
25) 2-Nitrophenol	9.869	139	35676	4.166	ng/u1	98
26) 2,4-Dimethylphenol	9.928	107	64290	3.699	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.169	93	88375	4.136	ng/u1	99
29) 2,4-Dichlorophenol	10.404	162	61531	4.185	ng/u1	97
30) Naphthalene	10.810	128	224694	4.331	ng/u1	99
32) 4-Chloroaniline	10.922	127	93082	4.021	ng/u1	97
33) Hexachlorobutadiene	11.093	225	39196	4.310	ng/u1	99
34) Caprolactam	11.716	113	18437m	3.734	ng/u1	
35) 4-Chloro-3-methylphenol	12.045	107	63432	3.957	ng/u1	97
36) 2-Methylnaphthalene	12.422	142	148203	4.285	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.640	142	138453	3.918	ng/u1	99
39) 1,2,4,5-Tetrachloroben...	12.787	216	76683	4.242	ng/u1	97
40) Hexachlorocyclopentadiene	12.763	237	44282	3.886	ng/u1	96
41) 2,4,6-Trichlorophenol	13.028	196	44302	3.718	ng/u1	91
42) 2,4,5-Trichlorophenol	13.098	196	51527	3.954	ng/u1	91
43) 1,1'-Biphenyl	13.428	154	202015	4.284	ng/u1	99
44) 2-Chloronaphthalene	13.469	162	156231	4.270	ng/u1	97
45) 2-Nitroaniline	13.681	65	36196	3.587	ng/u1	97
47) Dimethylphthalate	14.051	163	188618	4.128	ng/u1	99
48) 2,6-Dinitrotoluene	14.175	165	28954	3.352	ng/u1	89
50) Acenaphthylene	14.316	152	242027	4.320	ng/u1	99
51) 3-Nitroaniline	14.504	138	33032	3.816	ng/u1	97
52) Acenaphthene	14.657	153	169610	4.294	ng/u1	96
53) 2,4-Dinitrophenol	14.710	184	21365	3.784	ng/u1	99
55) 4-Nitrophenol	14.804	109	29994	4.012	ng/u1	98
56) Dibenzofuran	14.992	168	239931	4.364	ng/u1	99
57) 2,4-Dinitrotoluene	14.963	165	46252	3.668	ng/u1	100
58) 2,3,4,6-Tetrachlorophenol	15.222	232	43156	3.864	ng/u1	94
59) Diethylphthalate	15.416	149	179346	3.918	ng/u1	99
61) Fluorene	15.645	166	192745	4.330	ng/u1	99
62) 4-Chlorophenyl-phenyle...	15.639	204	93994	4.337	ng/u1	95
63) 4-Nitroaniline	15.663	138	34267m	4.300	ng/u1	
66) 4,6-Dinitro-2-methylph...	15.722	198	33117	4.160	ng/u1#	86
67) N-Nitrosodiphenylamine	15.851	169	157782	4.204	ng/u1	99
68) 4-Bromophenyl-phenylether	16.533	248	54117	4.037	ng/u1	98
69) Hexachlorobenzene	16.645	284	67068	4.270	ng/u1	96
70) Atrazine	16.804	200	57415	4.088	ng/u1	99
71) Pentachlorophenol	16.992	266	39735	3.964	ng/u1	93
72) Phenanthrene	17.386	178	306805	4.282	ng/u1	97
74) Anthracene	17.480	178	298579	4.187	ng/u1	97
75) 1,2,3,4-Tetrachloroben...	13.392	216	69420	3.856	ng/uL	99
76) Pentachlorobenzene	14.910	250	69348	3.846	ng/uL	99
77) Carbazole	17.751	167	268390	4.145	ng/u1	99
78) Di-n-butylphthalate	18.316	149	285362	3.712	ng/u1	99
80) Fluoranthene	19.404	202	352555	4.016	ng/u1	99
82) Pyrene	19.769	202	386486	4.168	ng/u1	99
83) Butylbenzylphthalate	20.669	149	132299	3.604	ng/u1	98
84) 3,3'-Dichlorobenzidine	21.451	252	98868	3.449	ng/u1	98
85) Benzo(a)anthracene	21.516	228	365546	4.112	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.445	149	203665	3.821	ng/u1	96
87) Chrysene	21.574	228	355076	4.260	ng/u1	98
89) Di-n-octyl phthalate	22.374	149	295990	3.268	ng/u1	100
90) Benzo(b)fluoranthene	23.215	252	364145m	4.356	ng/u1	
91) Benzo(k)fluoranthene	23.263	252	358923	4.341	ng/u1	98
93) Benzo(a)pyrene	23.851	252	317048	4.373	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.480	276	392678	4.383	ng/u1	98
95) Dibenzo(a,h)anthracene	26.498	278	323070	4.361	ng/u1	99
96) Benzo(g,h,i)perylene	27.262	276	300072	4.205	ng/u1	96

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

