

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031022\
 Data File : BN018900.D
 Acq On : 10 Mar 2022 12:45
 Operator : CG/JU
 Sample : N1331-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT1-2022-02

Quant Time: Mar 10 13:18:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN030822.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 08 14:15:20 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/10/2022
 Supervised By :mohammad ahmed 03/16/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	143075	20.000	ng/u1	0.00
20) Naphthalene-d8	10.710	136	668971	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.534	164	464127	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.275	188	1021508	20.000	ng/u1	0.00
79) Chrysene-d12	21.451	240	1138344	20.000	ng/u1	0.00
88) Perylene-d12	23.845	264	1194333	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.270	96	19606	5.481	ng/uL	0.00
4) Pyridine-d5	3.687	84	240820	22.001	ng/u1	0.00
7) Phenol-d5	7.058	99	320217	22.924	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.222	67	209996	24.959	ng/u1	0.00
11) 2-Chlorophenol-d4	7.428	132	245030	24.477	ng/u1	0.00
15) 4-Methylphenol-d8	8.605	113	266486	23.462	ng/u1	0.00
21) Nitrobenzene-d5	9.057	128	122087	23.759	ng/u1	0.00
24) 2-Nitrophenol-d4	9.787	143	138007	24.444	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.322	165	254899	23.603	ng/u1	0.00
31) 4-Chloroaniline-d4	10.840	131	381861	23.482	ng/u1	0.00
46) Dimethylphthalate-d6	13.940	166	868332	24.710	ng/u1	0.00
49) Acenaphthylene-d8	14.228	160	1098629	25.117	ng/u1	0.00
54) 4-Nitrophenol-d4	14.716	143	160613	22.569	ng/u1	0.00
60) Fluorene-d10	15.528	176	769419	25.190	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.634	200	138029	21.803	ng/u1	0.00
73) Anthracene-d10	17.375	188	1245651	25.495	ng/u1	0.00
81) Pyrene-d10	19.663	212	1517630	24.636	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.692	264	1611080	25.883	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.311	88	3996	1.029	ng/uL#	92
5) Pyridine	3.711	79	42460	3.761	ng/u1#	67
6) Benzaldehyde	7.034	77	34197m	4.807	ng/u1	
8) Phenol	7.081	94	63354	4.335	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.316	93	51982	4.611	ng/u1	100
12) 2-Chlorophenol	7.463	128	48101	4.531	ng/u1	99
13) 2-Methylphenol	8.340	108	43191	3.959	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.434	45	76929	4.780	ng/u1	99
16) Acetophenone	8.722	105	79637	4.524	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.705	70	38990	4.346	ng/u1	98
18) 4-Methylphenol	8.663	108	52341	4.290	ng/u1	99
19) Hexachloroethane	8.993	117	18684	4.511	ng/u1	97
22) Nitrobenzene	9.099	77	60467	4.534	ng/u1	99
23) Isophorone	9.628	82	102853	4.036	ng/u1	99
25) 2-Nitrophenol	9.816	139	28496	4.542	ng/u1	95
26) 2,4-Dimethylphenol	9.875	107	60863	4.466	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.110	93	72199	4.488	ng/u1	100
29) 2,4-Dichlorophenol	10.352	162	50387	4.586	ng/u1	96
30) Naphthalene	10.757	128	175660	4.765	ng/u1	99
32) 4-Chloroaniline	10.863	127	76741	4.548	ng/u1	97
33) Hexachlorobutadiene	11.057	225	32464	4.703	ng/u1	99
34) Caprolactam	11.616	113	13402m	3.354	ng/u1	
35) 4-Chloro-3-methylphenol	11.981	107	53715	4.174	ng/u1	97
36) 2-Methylnaphthalene	12.369	142	123768	4.775	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.587	142	108220	4.043	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.740	216	66413	4.680	ng/ul	97
40) Hexachlorocyclopentadiene	12.722	237	38646	4.635	ng/ul	96
41) 2,4,6-Trichlorophenol	12.969	196	34240	3.733	ng/ul	94
42) 2,4,5-Trichlorophenol	13.040	196	42424	4.187	ng/ul	98
43) 1,1'-Biphenyl	13.375	154	178358	4.889	ng/ul	97
44) 2-Chloronaphthalene	13.416	162	133094	4.738	ng/ul	97
45) 2-Nitroaniline	13.610	65	29427	3.515	ng/ul	95
47) Dimethylphthalate	13.987	163	173834	4.825	ng/ul	99
48) 2,6-Dinitrotoluene	14.104	165	25478	3.690	ng/ul	98
50) Acenaphthylene	14.257	152	223739	4.891	ng/ul	98
51) 3-Nitroaniline	14.428	138	28465	4.256	ng/ul	94
52) Acenaphthene	14.598	153	146980	4.908	ng/ul	98
53) 2,4-Dinitrophenol	14.634	184	22913m	5.191	ng/ul	
55) 4-Nitrophenol	14.728	109	26889	4.388	ng/ul	96
56) Dibenzofuran	14.934	168	216532	5.006	ng/ul	99
57) 2,4-Dinitrotoluene	14.887	165	42532	4.093	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.157	232	33862	4.063	ng/ul	97
59) Diethylphthalate	15.345	149	159222	4.440	ng/ul	99
61) Fluorene	15.581	166	175649	5.158	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.575	204	89443	5.332	ng/ul	95
63) 4-Nitroaniline	15.587	138	31451	5.050	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.651	198	28552	4.426	ng/ul#	84
67) N-Nitrosodiphenylamine	15.781	169	144615	4.748	ng/ul	100
68) 4-Bromophenyl-phenylether	16.463	248	49045	4.658	ng/ul	97
69) Hexachlorobenzene	16.586	284	58962	4.884	ng/ul	94
70) Atrazine	16.728	200	45426	3.980	ng/ul	97
71) Pentachlorophenol	16.928	266	32062	4.262	ng/ul	98
72) Phenanthrene	17.316	178	292316	5.023	ng/ul	100
74) Anthracene	17.410	178	289136	4.982	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.340	216	58072	3.676	ng/uL	99
76) Pentachlorobenzene	14.857	250	62526	4.375	ng/uL	95
77) Carbazole	17.669	167	249420	4.760	ng/ul	99
78) Di-n-butylphthalate	18.239	149	236346	4.014	ng/ul	99
80) Fluoranthene	19.328	202	344281	4.721	ng/ul	100
82) Pyrene	19.692	202	370536	4.974	ng/ul	96
83) Butylbenzylphthalate	20.586	149	96759	3.412	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.369	252	112718	4.569	ng/ul	92
85) Benzo(a)anthracene	21.433	228	377178	4.904	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.369	149	166186	3.894	ng/ul	99
87) Chrysene	21.486	228	371706	4.991	ng/ul	99
89) Di-n-octyl phthalate	22.286	149	270868	3.619	ng/ul	100
90) Benzo(b)fluoranthene	23.110	252	377596	4.674	ng/ul	96
91) Benzo(k)fluoranthene	23.157	252	389221	5.191	ng/ul	99
93) Benzo(a)pyrene	23.739	252	402069	5.141	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	26.321	276	415340	4.794	ng/ul	95
95) Dibenzo(a,h)anthracene	26.333	278	350302	4.561	ng/ul	99
96) Benzo(g,h,i)perylene	27.080	276	347339	4.506	ng/ul	99

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

