

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031022\
 Data File : BN018902.D
 Acq On : 10 Mar 2022 14:05
 Operator : CG/JU
 Sample : N1331-06
 Misc : SFAM-MDL-ME-SOIL-02
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Mar 10 14:38:16 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	7.904	152	144263	20.000	ng/u1	0.00
20) Naphthalene-d8	10.710	136	670216	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.539	164	472274	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.275	188	1035159	20.000	ng/u1	0.00
79) Chrysene-d12	21.451	240	1164032	20.000	ng/u1	0.00
88) Perylene-d12	23.845	264	1228881	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	20289	5.625	ng/uL	0.00
4) Pyridine-d5	3.687	84	237059	21.479	ng/u1	0.00
7) Phenol-d5	7.057	99	324019	23.006	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.222	67	211416	24.921	ng/u1	0.00
11) 2-Chlorophenol-d4	7.428	132	248058	24.576	ng/u1	0.00
15) 4-Methylphenol-d8	8.604	113	267597	23.366	ng/u1	0.00
21) Nitrobenzene-d5	9.057	128	126232	24.520	ng/u1	0.00
24) 2-Nitrophenol-d4	9.787	143	140736	24.882	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.328	165	258857	23.925	ng/u1	0.00
31) 4-Chloroaniline-d4	10.840	131	387748	23.800	ng/u1	0.00
46) Dimethylphthalate-d6	13.939	166	894243	25.009	ng/u1	0.00
49) Acenaphthylene-d8	14.228	160	1112416	24.993	ng/u1	0.00
54) 4-Nitrophenol-d4	14.716	143	163956	22.641	ng/u1	0.00
60) Fluorene-d10	15.528	176	783160	25.197	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.633	200	139009	21.669	ng/u1	0.00
73) Anthracene-d10	17.375	188	1285622	25.966	ng/u1	0.00
81) Pyrene-d10	19.663	212	1544883	24.525	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.692	264	1644808	25.682	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.311	88	4081	1.042	ng/uL#	93
5) Pyridine	3.711	79	44649	3.923	ng/u1#	63
6) Benzaldehyde	7.028	77	33520	4.673	ng/u1	98
8) Phenol	7.081	94	64009	4.344	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.316	93	51461	4.527	ng/u1	99
12) 2-Chlorophenol	7.463	128	48072	4.491	ng/u1	96
13) 2-Methylphenol	8.340	108	44271	4.024	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.440	45	77674	4.787	ng/u1	99
16) Acetophenone	8.722	105	81296	4.581	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.704	70	39244	4.339	ng/u1	97
18) 4-Methylphenol	8.669	108	53229	4.326	ng/u1	99
19) Hexachloroethane	8.993	117	18533	4.438	ng/u1	94
22) Nitrobenzene	9.104	77	62576	4.684	ng/u1	97
23) Isophorone	9.628	82	103818	4.066	ng/u1	99
25) 2-Nitrophenol	9.816	139	28589	4.548	ng/u1	97
26) 2,4-Dimethylphenol	9.875	107	60551	4.435	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.110	93	74597	4.628	ng/u1	99
29) 2,4-Dichlorophenol	10.351	162	51235	4.654	ng/u1	94
30) Naphthalene	10.757	128	179430	4.858	ng/u1	98
32) 4-Chloroaniline	10.863	127	76840	4.546	ng/u1	97
33) Hexachlorobutadiene	11.057	225	32812	4.744	ng/u1	98
34) Caprolactam	11.616	113	14484m	3.618	ng/u1	
35) 4-Chloro-3-methylphenol	11.981	107	53543	4.153	ng/u1	96
36) 2-Methylnaphthalene	12.369	142	125171	4.820	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.587	142	109440	4.081	ng/ul#	97
39) 1,2,4,5-Tetrachloroben...	12.740	216	68926	4.773	ng/ul	99
40) Hexachlorocyclopentadiene	12.722	237	38832	4.577	ng/ul	99
41) 2,4,6-Trichlorophenol	12.969	196	35728	3.828	ng/ul	94
42) 2,4,5-Trichlorophenol	13.039	196	41297	4.005	ng/ul	97
43) 1,1'-Biphenyl	13.375	154	175549	4.729	ng/ul	96
44) 2-Chloronaphthalene	13.416	162	135246	4.731	ng/ul	99
45) 2-Nitroaniline	13.610	65	30356	3.563	ng/ul	97
47) Dimethylphthalate	13.986	163	173329	4.728	ng/ul	99
48) 2,6-Dinitrotoluene	14.104	165	25950	3.694	ng/ul	96
50) Acenaphthylene	14.257	152	224880	4.831	ng/ul	99
51) 3-Nitroaniline	14.428	138	28626	4.207	ng/ul	87
52) Acenaphthene	14.598	153	147934	4.855	ng/ul	96
53) 2,4-Dinitrophenol	14.634	184	24209m	5.390	ng/ul	
55) 4-Nitrophenol	14.728	109	27226	4.366	ng/ul	91
56) Dibenzofuran	14.934	168	215580	4.898	ng/ul	99
57) 2,4-Dinitrotoluene	14.886	165	43234	4.089	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.157	232	34954	4.122	ng/ul#	99
59) Diethylphthalate	15.351	149	165231	4.528	ng/ul	98
61) Fluorene	15.581	166	179346	5.175	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.575	204	87073	5.101	ng/ul	97
63) 4-Nitroaniline	15.586	138	31015	4.895	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.651	198	28383	4.342	ng/ul#	93
67) N-Nitrosodiphenylamine	15.781	169	149594	4.846	ng/ul	98
68) 4-Bromophenyl-phenylether	16.463	248	50425	4.726	ng/ul	99
69) Hexachlorobenzene	16.586	284	59334	4.850	ng/ul	93
70) Atrazine	16.728	200	46695	4.037	ng/ul	98
71) Pentachlorophenol	16.928	266	33003	4.329	ng/ul	96
72) Phenanthrene	17.316	178	291500	4.943	ng/ul	99
74) Anthracene	17.410	178	292088	4.967	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.339	216	60169	3.759	ng/ul	99
76) Pentachlorobenzene	14.857	250	64539	4.456	ng/ul	92
77) Carbazole	17.675	167	254647	4.796	ng/ul	99
78) Di-n-butylphthalate	18.239	149	243069	4.073	ng/ul	99
80) Fluoranthene	19.327	202	349882	4.692	ng/ul	99
82) Pyrene	19.692	202	378183	4.965	ng/ul	99
83) Butylbenzylphthalate	20.586	149	100358	3.461	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.368	252	118212	4.686	ng/ul	99
85) Benzo(a)anthracene	21.433	228	373139	4.744	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.368	149	175144	4.013	ng/ul	99
87) Chrysene	21.486	228	381406	5.008	ng/ul	100
89) Di-n-octyl phthalate	22.286	149	276382	3.589	ng/ul	100
90) Benzo(b)fluoranthene	23.110	252	403732	4.857	ng/ul	97
91) Benzo(k)fluoranthene	23.162	252	374075	4.849	ng/ul	97
93) Benzo(a)pyrene	23.739	252	390898	4.858	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.321	276	417014	4.678	ng/ul	99
95) Dibenzo(a,h)anthracene	26.339	278	352592	4.462	ng/ul	98
96) Benzo(g,h,i)perylene	27.080	276	351192	4.428	ng/ul	99

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

