

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030623\
 Data File : BN024130.D
 Acq On : 06 Mar 2023 11:48
 Operator : CG/JU
 Sample : 01378-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT1-2023-01

Quant Time: Mar 07 04:29:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN030323.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 07 04:27:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/07/2023
 Supervised By :Jagrut Upadhyay 03/07/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.052	152	251756	20.000	ng/u1	0.00
20) Naphthalene-d8	10.875	136	1098336	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.698	164	655542	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.439	188	1372606	20.000	ng/u1	0.00
79) Chrysene-d12	21.633	240	1280074	20.000	ng/u1	0.00
88) Perylene-d12	24.168	264	1337159	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	30376	4.707	ng/uL	-0.01
4) Pyridine-d5	3.828	84	301000	16.855	ng/u1	0.00
7) Phenol-d5	7.193	99	436524	19.330	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.375	67	288004	19.916	ng/u1	0.00
11) 2-Chlorophenol-d4	7.575	132	339596	19.582	ng/u1	0.00
15) 4-Methylphenol-d8	8.752	113	330018	18.383	ng/u1	-0.01
21) Nitrobenzene-d5	9.222	128	140172	19.663	ng/u1	0.00
24) 2-Nitrophenol-d4	9.951	143	150103	19.309	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.487	165	314517	18.749	ng/u1	0.00
31) 4-Chloroaniline-d4	11.004	131	464728	18.569	ng/u1	0.00
46) Dimethylphthalate-d6	14.098	166	971375	19.200	ng/u1	0.00
49) Acenaphthylene-d8	14.387	160	1134457	19.264	ng/u1	0.00
54) 4-Nitrophenol-d4	14.869	143	156645	16.204	ng/u1	0.00
60) Fluorene-d10	15.686	176	823003	19.356	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.792	200	106712	14.430	ng/u1	0.00
73) Anthracene-d10	17.539	188	1207758	18.657	ng/u1	0.00
81) Pyrene-d10	19.833	212	1435115	19.183	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.992	264	1363780	20.517	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.440	88	9578	1.371	ng/uL	97
5) Pyridine	3.852	79	78650	4.254	ng/u1#	86
6) Benzaldehyde	7.181	77	57340	5.226	ng/u1	98
8) Phenol	7.222	94	113383	4.843	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.469	93	91878	4.843	ng/u1	96
12) 2-Chlorophenol	7.610	128	85237	4.734	ng/u1	98
13) 2-Methylphenol	8.493	108	79226	4.501	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.587	45	148320	4.928	ng/u1	99
16) Acetophenone	8.881	105	149447	5.363	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.863	70	65929	4.818	ng/u1#	96
18) 4-Methylphenol	8.816	108	92422	4.770	ng/u1	98
19) Hexachloroethane	9.146	117	32250	4.561	ng/u1	94
22) Nitrobenzene	9.263	77	96805	5.016	ng/u1	97
23) Isophorone	9.793	82	201437	4.776	ng/u1	99
25) 2-Nitrophenol	9.981	139	43397	4.860	ng/u1	98
26) 2,4-Dimethylphenol	10.034	107	80921	3.976	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.275	93	127989	4.887	ng/u1	98
29) 2,4-Dichlorophenol	10.510	162	83598	4.938	ng/u1	96
30) Naphthalene	10.928	128	306671	5.074	ng/u1	100
32) 4-Chloroaniline	11.028	127	123941	4.911	ng/u1	98
33) Hexachlorobutadiene	11.216	225	50164	4.862	ng/u1	91
34) Caprolactam	11.804	113	28126m	4.871	ng/u1	
35) 4-Chloro-3-methylphenol	12.140	107	86323	4.628	ng/u1	99
36) 2-Methylnaphthalene	12.528	142	200953	5.050	ng/u1	98

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37) 1-Methylnaphthalene	12.745	142	158255	3.968	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.893	216	102898	5.216	ng/ul	94
40) Hexachlorocyclopentadiene	12.875	237	45891	4.317	ng/ul	98
41) 2,4,6-Trichlorophenol	13.128	196	58342	4.515	ng/ul	98
42) 2,4,5-Trichlorophenol	13.193	196	65517	4.708	ng/ul	100
43) 1,1'-Biphenyl	13.534	154	272143	5.212	ng/ul	99
44) 2-Chloronaphthalene	13.575	162	212484	5.223	ng/ul	99
45) 2-Nitroaniline	13.769	65	29992	3.384	ng/ul	94
47) Dimethylphthalate	14.145	163	260385	5.106	ng/ul	99
48) 2,6-Dinitrotoluene	14.263	165	23318	3.107	ng/ul	90
50) Acenaphthylene	14.416	152	331717	5.227	ng/ul	100
51) 3-Nitroaniline	14.592	138	32045	3.512	ng/ul#	92
52) Acenaphthene	14.757	153	229889	5.311	ng/ul	98
53) 2,4-Dinitrophenol	14.792	184	23837	4.587	ng/ul	95
55) 4-Nitrophenol	14.881	109	34394	4.670	ng/ul	95
56) Dibenzofuran	15.092	168	316206	5.200	ng/ul	100
57) 2,4-Dinitrotoluene	15.045	165	44221	3.737	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.310	232	56413	4.715	ng/ul	99
59) Diethylphthalate	15.510	149	256903	5.054	ng/ul	99
61) Fluorene	15.739	166	261490	5.488	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.734	204	122989	5.399	ng/ul	98
63) 4-Nitroaniline	15.745	138	35225m	3.992	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.804	198	33160	4.433	ng/ul#	90
67) N-Nitrosodiphenylamine	15.945	169	204117	5.022	ng/ul	98
68) 4-Bromophenyl-phenylether	16.628	248	70329	5.154	ng/ul	99
69) Hexachlorobenzene	16.745	284	85089	5.125	ng/ul	97
70) Atrazine	16.892	200	59836	4.349	ng/ul	99
71) Pentachlorophenol	17.086	266	45721	4.452	ng/ul	99
72) Phenanthrene	17.486	178	403050	5.301	ng/ul	99
74) Anthracene	17.575	178	385881	5.033	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.498	216	80754	4.037	ng/uL	94
76) Pentachlorobenzene	15.010	250	75870	3.892	ng/uL	96
77) Carbazole	17.839	167	354023	5.156	ng/ul	99
78) Di-n-butylphthalate	18.410	149	389386	4.765	ng/ul	100
80) Fluoranthene	19.492	202	442236	5.085	ng/ul	100
82) Pyrene	19.857	202	476289	5.191	ng/ul	99
83) Butylbenzylphthalate	20.757	149	96988	4.151	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.545	252	90005	3.648	ng/ul	90
85) Benzo(a)anthracene	21.616	228	444941	4.987	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.539	149	163237	4.209	ng/ul	98
87) Chrysene	21.674	228	439987	5.152	ng/ul	96
89) Di-n-octyl phthalate	22.516	149	264645	3.701	ng/ul	100
90) Benzo(b)fluoranthene	23.386	252	429023	5.096	ng/ul	99
91) Benzo(k)fluoranthene	23.439	252	442622	5.316	ng/ul	99
93) Benzo(a)pyrene	24.045	252	393060	5.272	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	26.815	276	466485m	4.969	ng/ul	
95) Dibenzo(a,h)anthracene	26.839	278	394340m	5.158	ng/ul	
96) Benzo(g,h,i)perylene	27.633	276	379738m	4.902	ng/ul	

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

