

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031224\
 Data File : BN030370.D
 Acq On : 12 Mar 2024 11:57
 Operator : MA/JU
 Sample : P1601-06
 Misc : SFAM-MDL-ME SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MED-SOIL-QT1-2024-02

Quant Time: Mar 12 12:40:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN030824.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 08 13:57:34 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/13/2024
 Supervised By :mohammad ahmed 03/14/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	107930	20.000	ng/u1	0.00
20) Naphthalene-d8	10.587	136	453306	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.451	164	279604	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.210	188	604623	20.000	ng/u1	0.00
79) Chrysene-d12	21.433	240	481336	20.000	ng/u1	0.00
88) Perylene-d12	23.786	264	450747	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.270	96	15853m	4.957	ng/uL	0.00
4) Pyridine-d5	3.676	84	171878	22.513	ng/u1	0.00
7) Phenol-d5	6.964	99	194283	20.288	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.140	67	106916	19.663	ng/u1	0.00
11) 2-Chlorophenol-d4	7.322	132	165015	21.512	ng/u1	0.00
15) 4-Methylphenol-d8	8.505	113	158320	20.976	ng/u1	0.00
21) Nitrobenzene-d5	8.963	128	81836	21.636	ng/u1	0.00
24) 2-Nitrophenol-d4	9.681	143	90529	22.829	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.210	165	152923	21.623	ng/u1	0.00
31) 4-Chloroaniline-d4	10.740	131	218105	20.778	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	507146	22.496	ng/u1	0.00
49) Acenaphthylene-d8	14.140	160	564326	22.097	ng/u1	0.00
54) 4-Nitrophenol-d4	14.657	143	77662	19.430	ng/u1	0.00
60) Fluorene-d10	15.451	176	423259	22.887	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.581	200	73935	19.578	ng/u1	0.00
73) Anthracene-d10	17.310	188	590609	20.117	ng/u1	0.00
81) Pyrene-d10	19.622	212	709139	23.199	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.633	264	544698	23.071	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.311	88	3851m	1.254	ng/uL	
5) Pyridine	3.699	79	36792	4.737	ng/u1#	70
6) Benzaldehyde	6.946	77	26998	6.049	ng/u1	99
8) Phenol	6.987	94	43056	4.519	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.234	93	34660	4.551	ng/u1	97
12) 2-Chlorophenol	7.352	128	38251	4.846	ng/u1	96
13) 2-Methylphenol	8.240	108	31756	4.445	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.322	45	28936	4.179	ng/u1#	95
16) Acetophenone	8.628	105	59865	4.935	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.611	70	28264	4.870	ng/u1#	98
18) 4-Methylphenol	8.569	108	34884	4.621	ng/u1	90
19) Hexachloroethane	8.858	117	17206	4.692	ng/u1	95
22) Nitrobenzene	9.005	77	44925	4.603	ng/u1	98
23) Isophorone	9.528	82	78449	4.649	ng/u1	98
25) 2-Nitrophenol	9.710	139	19994	4.680	ng/u1	98
26) 2,4-Dimethylphenol	9.775	107	28554	3.238	ng/u1	94
27) Bis(2-Chloroethoxy)met...	10.022	93	44238	4.470	ng/u1	99
29) 2,4-Dichlorophenol	10.234	162	34667	4.880	ng/u1	98
30) Naphthalene	10.640	128	126489	4.888	ng/u1	99
32) 4-Chloroaniline	10.763	127	49107	4.810	ng/u1	97
33) Hexachlorobutadiene	10.910	225	24006	4.845	ng/u1	96
34) Caprolactam	11.575	113	10793m	5.103	ng/u1	
35) 4-Chloro-3-methylphenol	11.887	107	37866	4.711	ng/u1	99
36) 2-Methylnaphthalene	12.257	142	84178	4.995	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.481	142	86468	5.190	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.628	216	40775	4.618	ng/ul	100
40) Hexachlorocyclopentadiene	12.593	237	27568	4.168	ng/ul	93
41) 2,4,6-Trichlorophenol	12.875	196	25336	4.523	ng/ul	93
42) 2,4,5-Trichlorophenol	12.946	196	29118	4.757	ng/ul	97
43) 1,1'-Biphenyl	13.281	154	111668	4.732	ng/ul	98
44) 2-Chloronaphthalene	13.316	162	88148	4.810	ng/ul	100
45) 2-Nitroaniline	13.540	65	22125	4.187	ng/ul	97
47) Dimethylphthalate	13.922	163	116873	5.101	ng/ul	98
48) 2,6-Dinitrotoluene	14.046	165	20431	4.618	ng/ul	99
50) Acenaphthylene	14.169	152	146512	4.931	ng/ul	99
51) 3-Nitroaniline	14.375	138	18038	4.160	ng/ul	92
52) Acenaphthene	14.510	153	95941	4.873	ng/ul	97
53) 2,4-Dinitrophenol	14.581	184	14977	6.024	ng/ul	92
55) 4-Nitrophenol	14.675	109	23845	5.262	ng/ul	98
56) Dibenzofuran	14.851	168	129815	4.944	ng/ul	100
57) 2,4-Dinitrotoluene	14.834	165	30567	4.841	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.081	232	23472	4.764	ng/ul	92
59) Diethylphthalate	15.293	149	123506	5.043	ng/ul	99
61) Fluorene	15.504	166	108194	4.991	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.504	204	52593	5.068	ng/ul	96
63) 4-Nitroaniline	15.540	138	17506	4.361	ng/ul	86
66) 4,6-Dinitro-2-methylph...	15.593	198	21020	5.158	ng/ul#	89
67) N-Nitrosodiphenylamine	15.722	169	90026	4.719	ng/ul	99
68) 4-Bromophenyl-phenylether	16.404	248	31525	4.867	ng/ul	92
69) Hexachlorobenzene	16.504	284	32860	4.632	ng/ul	96
70) Atrazine	16.687	200	37650	5.735	ng/ul	96
71) Pentachlorophenol	16.857	266	24774	5.161	ng/ul	89
72) Phenanthrene	17.251	178	170274	4.829	ng/ul	99
74) Anthracene	17.345	178	161378	4.499	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.234	216	40235	4.458	ng/uL	97
76) Pentachlorobenzene	14.763	250	43249	5.138	ng/uL	95
77) Carbazole	17.622	167	136083	4.272	ng/ul	99
78) Di-n-butylphthalate	18.204	149	201558	4.554	ng/ul	99
80) Fluoranthene	19.286	202	182696	4.878	ng/ul	96
82) Pyrene	19.651	202	194675	5.057	ng/ul	97
83) Butylbenzylphthalate	20.581	149	81053	4.395	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.363	252	48274	4.615	ng/ul	99
85) Benzo(a)anthracene	21.416	228	174282	4.825	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.369	149	125045	4.479	ng/ul	99
87) Chrysene	21.469	228	165263	4.933	ng/ul	97
89) Di-n-octyl phthalate	22.292	149	190394	4.512	ng/ul	100
90) Benzo(b)fluoranthene	23.069	252	151552	5.099	ng/ul	98
91) Benzo(k)fluoranthene	23.122	252	146536	4.774	ng/ul	97
93) Benzo(a)pyrene	23.680	252	137342	4.883	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.210	276	149337	4.464	ng/ul#	92
95) Dibenzo(a,h)anthracene	26.227	278	123426	4.526	ng/ul	97
96) Benzo(g,h,i)perylene	26.945	276	120809	4.459	ng/ul	95

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

