

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN010623\
 Data File : BN023574.D
 Acq On : 06 Jan 2023 12:53
 Operator : CG/JU
 Sample : N5388-04
 Misc : SFAM-MDL-S-02-4PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT4-2022-08

Quant Time: Jan 06 13:44:28 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 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	198733	20.000	ng/u1	0.00
20) Naphthalene-d8	10.763	136	900863	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.598	164	585112	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.351	188	1279273	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	1264200	20.000	ng/u1	0.00
88) Perylene-d12	23.968	264	1256018	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	18368	3.977	ng/uL	0.00
4) Pyridine-d5	3.728	84	154026	11.116	ng/u1	0.00
7) Phenol-d5	7.105	99	277071	15.731	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.269	67	178416	16.512	ng/u1	0.00
11) 2-Chlorophenol-d4	7.469	132	227266	16.848	ng/u1	0.00
15) 4-Methylphenol-d8	8.657	113	224361	15.959	ng/u1	-0.01
21) Nitrobenzene-d5	9.116	128	109475	16.115	ng/u1	0.00
24) 2-Nitrophenol-d4	9.840	143	118158	16.431	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.381	165	218929	15.961	ng/u1	0.00
31) 4-Chloroaniline-d4	10.904	131	333809	15.472	ng/u1	0.00
46) Dimethylphthalate-d6	14.010	166	701526	16.118	ng/u1	0.00
49) Acenaphthylene-d8	14.292	160	788116	16.342	ng/u1	0.00
54) 4-Nitrophenol-d4	14.798	143	127531	14.393	ng/u1	0.00
60) Fluorene-d10	15.592	176	611382	16.439	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.710	200	107037	13.870	ng/u1	0.00
73) Anthracene-d10	17.445	188	968122	16.912	ng/u1	0.00
81) Pyrene-d10	19.745	212	1157970	16.016	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.804	264	1033921	16.646	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.334	88	5813	1.192	ng/uL#	85
5) Pyridine	3.752	79	45639	3.218	ng/u1#	86
6) Benzaldehyde	7.081	77	32294	4.734	ng/u1	99
8) Phenol	7.128	94	73515	4.100	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.363	93	61489	4.340	ng/u1	99
12) 2-Chlorophenol	7.505	128	58497	4.196	ng/u1	98
13) 2-Methylphenol	8.393	108	52750	3.910	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.481	45	82821	4.371	ng/u1	98
16) Acetophenone	8.775	105	92301	4.248	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.757	70	44516	4.069	ng/u1	99
18) 4-Methylphenol	8.722	108	61440	4.135	ng/u1	97
19) Hexachloroethane	9.028	117	23700	4.251	ng/u1	98
22) Nitrobenzene	9.157	77	71436	4.202	ng/u1	99
23) Isophorone	9.687	82	115434	3.754	ng/u1	100
25) 2-Nitrophenol	9.875	139	32603	4.079	ng/u1	99
26) 2,4-Dimethylphenol	9.934	107	62649	3.862	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.175	93	83455	4.184	ng/u1	99
29) 2,4-Dichlorophenol	10.404	162	57374	4.180	ng/u1	98
30) Naphthalene	10.810	128	207923	4.293	ng/u1	99
32) 4-Chloroaniline	10.928	127	87700	4.059	ng/u1	98
33) Hexachlorobutadiene	11.099	225	36757	4.330	ng/u1	99
34) Caprolactam	11.716	113	16251m	3.525	ng/u1	
35) 4-Chloro-3-methylphenol	12.051	107	57432	3.838	ng/u1	99
36) 2-Methylnaphthalene	12.422	142	139060	4.308	ng/u1	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN010623\
 Data File : BN023574.D
 Acq On : 06 Jan 2023 12:53
 Operator : CG/JU
 Sample : N5388-04
 Misc : SFAM-MDL-S-02-4PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT4-2022-08

Quant Time: Jan 06 13:44:28 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 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.646	142	109174	3.310	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.793	216	74622	4.312	ng/ul	98
40) Hexachlorocyclopentadiene	12.769	237	30928	2.836	ng/ul	99
41) 2,4,6-Trichlorophenol	13.034	196	41130	3.606	ng/ul	90
42) 2,4,5-Trichlorophenol	13.104	196	46369	3.717	ng/ul	88
43) 1,1'-Biphenyl	13.434	154	190627	4.223	ng/ul	96
44) 2-Chloronaphthalene	13.475	162	145011	4.141	ng/ul	98
45) 2-Nitroaniline	13.681	65	32163	3.330	ng/ul	94
47) Dimethylphthalate	14.057	163	179340	4.100	ng/ul	99
48) 2,6-Dinitrotoluene	14.181	165	27619	3.340	ng/ul	99
50) Acenaphthylene	14.322	152	227496	4.242	ng/ul	99
51) 3-Nitroaniline	14.504	138	30923	3.732	ng/ul	99
52) Acenaphthene	14.663	153	156734	4.146	ng/ul	98
53) 2,4-Dinitrophenol	14.710	184	23798	4.404	ng/ul	90
55) 4-Nitrophenol	14.810	109	27476	3.840	ng/ul	98
56) Dibenzofuran	14.998	168	225314	4.282	ng/ul	100
57) 2,4-Dinitrotoluene	14.963	165	43648	3.616	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.222	232	40118	3.753	ng/ul	96
59) Diethylphthalate	15.422	149	172002	3.926	ng/ul	99
61) Fluorene	15.645	166	180450	4.235	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.639	204	91199	4.396	ng/ul	95
63) 4-Nitroaniline	15.669	138	30766m	4.033	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.728	198	34564	4.538	ng/ul#	93
67) N-Nitrosodiphenylamine	15.857	169	151640	4.224	ng/ul	99
68) 4-Bromophenyl-phenylether	16.539	248	52093	4.063	ng/ul	98
69) Hexachlorobenzene	16.651	284	63667	4.237	ng/ul	97
70) Atrazine	16.810	200	72440	5.391	ng/ul	98
71) Pentachlorophenol	16.998	266	39178	4.085	ng/ul	92
72) Phenanthrene	17.392	178	289470	4.223	ng/ul	97
74) Anthracene	17.481	178	284211	4.166	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.398	216	56838	3.300	ng/uL	94
76) Pentachlorobenzene	14.916	250	57241	3.318	ng/uL	98
77) Carbazole	17.751	167	247199	3.991	ng/ul	98
78) Di-n-butylphthalate	18.316	149	274765	3.736	ng/ul	99
80) Fluoranthene	19.404	202	335164	3.963	ng/ul	100
82) Pyrene	19.769	202	360922	4.041	ng/ul	99
83) Butylbenzylphthalate	20.669	149	113592	3.212	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.457	252	118017	4.273	ng/ul	97
85) Benzo(a)anthracene	21.522	228	343798	4.015	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.445	149	169636	3.304	ng/ul	98
87) Chrysene	21.574	228	331151	4.124	ng/ul	98
89) Di-n-octyl phthalate	22.380	149	266316	3.072	ng/ul	100
90) Benzo(b)fluoranthene	23.221	252	341425	4.267	ng/ul	97
91) Benzo(k)fluoranthene	23.263	252	323088	4.083	ng/ul	98
93) Benzo(a)pyrene	23.857	252	300189	4.326	ng/ul#	94
94) Indeno(1,2,3-cd)pyrene	26.492	276	359293	4.190	ng/ul	98
95) Dibenzo(a,h)anthracene	26.509	278	300051	4.232	ng/ul	99
96) Benzo(g,h,i)perylene	27.262	276	275454	4.033	ng/ul	97

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

