

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN010623\
 Data File : BN023576.D
 Acq On : 06 Jan 2023 14:12
 Operator : CG/JU
 Sample : N5388-06
 Misc : SFAM-MDL-MES-02-4PPM
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jan 06 15:14:53 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	208450	20.000	ng/u1	0.00
20) Naphthalene-d8	10.763	136	951368	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.598	164	619659	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.351	188	1352516	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	1324211	20.000	ng/u1	0.00
88) Perylene-d12	23.963	264	1346850	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	18856	3.893	ng/uL	0.00
4) Pyridine-d5	3.728	84	165278	11.372	ng/u1	0.00
7) Phenol-d5	7.105	99	289836	15.689	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.275	67	186543	16.459	ng/u1	0.00
11) 2-Chlorophenol-d4	7.475	132	234396	16.566	ng/u1	0.00
15) 4-Methylphenol-d8	8.664	113	234179	15.881	ng/u1	0.00
21) Nitrobenzene-d5	9.116	128	115750	16.135	ng/u1	0.00
24) 2-Nitrophenol-d4	9.846	143	124807	16.434	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.381	165	233572	16.124	ng/u1	0.00
31) 4-Chloroaniline-d4	10.905	131	353784	15.527	ng/u1	0.00
46) Dimethylphthalate-d6	14.010	166	746567	16.196	ng/u1	0.00
49) Acenaphthylene-d8	14.293	160	837394	16.396	ng/u1	0.00
54) 4-Nitrophenol-d4	14.798	143	137336	14.635	ng/u1	0.00
60) Fluorene-d10	15.593	176	663563	16.847	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.710	200	117257	14.371	ng/u1	0.00
73) Anthracene-d10	17.445	188	1010760	16.700	ng/u1	0.00
81) Pyrene-d10	19.739	212	1239548	16.367	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.804	264	1135556	17.049	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.334	88	5336	1.043	ng/uL	91
5) Pyridine	3.752	79	47088	3.165	ng/u1#	82
6) Benzaldehyde	7.081	77	33825	4.728	ng/u1	98
8) Phenol	7.134	94	76926	4.091	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.369	93	63512	4.274	ng/u1	98
12) 2-Chlorophenol	7.505	128	61995	4.240	ng/u1	98
13) 2-Methylphenol	8.393	108	55443	3.918	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.487	45	86233	4.339	ng/u1	97
16) Acetophenone	8.775	105	96907	4.252	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.763	70	47514	4.141	ng/u1	99
18) 4-Methylphenol	8.722	108	63089	4.048	ng/u1	99
19) Hexachloroethane	9.034	117	25265	4.320	ng/u1	94
22) Nitrobenzene	9.158	77	75135	4.185	ng/u1	97
23) Isophorone	9.687	82	123982	3.818	ng/u1	100
25) 2-Nitrophenol	9.875	139	34414	4.077	ng/u1	99
26) 2,4-Dimethylphenol	9.934	107	66516	3.883	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.175	93	86703	4.116	ng/u1	97
29) 2,4-Dichlorophenol	10.410	162	59705	4.119	ng/u1	98
30) Naphthalene	10.816	128	219519	4.292	ng/u1	99
32) 4-Chloroaniline	10.928	127	92302	4.045	ng/u1	98
33) Hexachlorobutadiene	11.099	225	39215	4.374	ng/u1	95
34) Caprolactam	11.716	113	17173m	3.528	ng/u1	
35) 4-Chloro-3-methylphenol	12.052	107	61271	3.877	ng/u1	97
36) 2-Methylnaphthalene	12.422	142	144909	4.250	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.646	142	116348	3.340	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.793	216	77173	4.211	ng/ul	99
40) Hexachlorocyclopentadiene	12.769	237	32450	2.809	ng/ul	95
41) 2,4,6-Trichlorophenol	13.034	196	45460	3.763	ng/ul	93
42) 2,4,5-Trichlorophenol	13.104	196	51121	3.869	ng/ul	92
43) 1,1'-Biphenyl	13.434	154	200624	4.197	ng/ul	98
44) 2-Chloronaphthalene	13.475	162	156606	4.222	ng/ul	99
45) 2-Nitroaniline	13.681	65	34855	3.408	ng/ul	94
47) Dimethylphthalate	14.057	163	190948	4.122	ng/ul	100
48) 2,6-Dinitrotoluene	14.181	165	28570	3.263	ng/ul	93
50) Acenaphthylene	14.322	152	239996	4.226	ng/ul	98
51) 3-Nitroaniline	14.504	138	33340	3.799	ng/ul	92
52) Acenaphthene	14.663	153	168544	4.210	ng/ul	99
53) 2,4-Dinitrophenol	14.710	184	26007	4.544	ng/ul	94
55) 4-Nitrophenol	14.810	109	29366	3.875	ng/ul	98
56) Dibenzofuran	14.998	168	239041	4.289	ng/ul	99
57) 2,4-Dinitrotoluene	14.963	165	45329	3.546	ng/ul#	86
58) 2,3,4,6-Tetrachlorophenol	15.222	232	41850	3.697	ng/ul	97
59) Diethylphthalate	15.422	149	185705	4.002	ng/ul	99
61) Fluorene	15.645	166	198233	4.393	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.640	204	97215	4.425	ng/ul	98
63) 4-Nitroaniline	15.669	138	32803	4.060	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.728	198	38300	4.757	ng/ul#	95
67) N-Nitrosodiphenylamine	15.857	169	162439	4.280	ng/ul	99
68) 4-Bromophenyl-phenylether	16.540	248	57064	4.209	ng/ul	96
69) Hexachlorobenzene	16.651	284	68683	4.323	ng/ul	98
70) Atrazine	16.810	200	78717	5.541	ng/ul	99
71) Pentachlorophenol	16.998	266	41335	4.077	ng/ul	96
72) Phenanthrene	17.392	178	314860	4.345	ng/ul	99
74) Anthracene	17.481	178	303350	4.206	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.399	216	60009	3.296	ng/uL	93
76) Pentachlorobenzene	14.916	250	58694	3.218	ng/uL	96
77) Carbazole	17.751	167	271667	4.148	ng/ul	99
78) Di-n-butylphthalate	18.316	149	295712	3.803	ng/ul	99
80) Fluoranthene	19.404	202	356750	4.027	ng/ul	100
82) Pyrene	19.769	202	398576	4.260	ng/ul	99
83) Butylbenzylphthalate	20.669	149	124707	3.367	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.457	252	129971	4.493	ng/ul	99
85) Benzo(a)anthracene	21.522	228	373486	4.164	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.445	149	190527	3.543	ng/ul	97
87) Chrysene	21.575	228	357011	4.245	ng/ul	95
89) Di-n-octyl phthalate	22.380	149	296104	3.185	ng/ul	100
90) Benzo(b)fluoranthene	23.222	252	388235	4.525	ng/ul	98
91) Benzo(k)fluoranthene	23.269	252	345922	4.077	ng/ul	97
93) Benzo(a)pyrene	23.851	252	336952	4.529	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	26.492	276	393446	4.279	ng/ul	99
95) Dibenzo(a,h)anthracene	26.504	278	336750	4.429	ng/ul	98
96) Benzo(g,h,i)perylene	27.268	276	302586	4.132	ng/ul	98

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

