

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011624\
 Data File : BN029250.D
 Acq On : 16 Jan 2024 15:43
 Operator : MA/JU
 Sample : 04696-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT4-2023-07

Quant Time: Jan 16 17:50:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN011524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 16 03:57:40 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/17/2024
 Supervised By :mohammad ahmed 01/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	112455	20.000	ng/u1	0.00
20) Naphthalene-d8	10.745	136	507386	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.581	164	348431	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.333	188	809192	20.000	ng/u1	0.00
79) Chrysene-d12	21.533	240	835325	20.000	ng/u1	0.00
88) Perylene-d12	23.945	264	988138	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.375	96	13369	4.910	ng/uL	0.00
4) Pyridine-d5	3.781	84	185254	22.057	ng/u1	0.00
7) Phenol-d5	7.104	99	215891	20.009	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.281	67	145001	21.307	ng/u1	0.00
11) 2-Chlorophenol-d4	7.469	132	164516	21.555	ng/u1	0.00
15) 4-Methylphenol-d8	8.651	113	176977	20.344	ng/u1	0.00
21) Nitrobenzene-d5	9.110	128	84153	22.862	ng/u1	0.00
24) 2-Nitrophenol-d4	9.828	143	68332	22.385	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.363	165	157267	20.696	ng/u1	0.00
31) 4-Chloroaniline-d4	10.887	131	272650	19.826	ng/u1	0.00
46) Dimethylphthalate-d6	14.004	166	627050	21.863	ng/u1	0.00
49) Acenaphthylene-d8	14.275	160	696638	21.567	ng/u1	0.00
54) 4-Nitrophenol-d4	14.775	143	92010	18.433	ng/u1	0.00
60) Fluorene-d10	15.575	176	531300	21.736	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.692	200	51961	15.269	ng/u1	0.00
73) Anthracene-d10	17.433	188	841124	20.677	ng/u1	0.00
81) Pyrene-d10	19.727	212	1028670	22.161	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.792	264	1097242	21.545	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.405	88	3245m	1.175	ng/uL	
5) Pyridine	3.805	79	36058	4.202	ng/u1#	60
6) Benzaldehyde	7.087	77	30241	6.245	ng/u1	97
8) Phenol	7.128	94	42616	3.886	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.375	93	36558	4.107	ng/u1	95
12) 2-Chlorophenol	7.499	128	34416	4.332	ng/u1	98
13) 2-Methylphenol	8.387	108	31267	3.743	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.469	45	48070	4.223	ng/u1	99
16) Acetophenone	8.769	105	60416	4.099	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.757	70	31969	4.121	ng/u1	97
18) 4-Methylphenol	8.716	108	35703	3.972	ng/u1	95
19) Hexachloroethane	9.016	117	15810	4.383	ng/u1	95
22) Nitrobenzene	9.151	77	46313	4.551	ng/u1	96
23) Isophorone	9.675	82	88492	4.091	ng/u1	99
25) 2-Nitrophenol	9.857	139	15345	4.293	ng/u1	98
26) 2,4-Dimethylphenol	9.922	107	39357	4.119	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.169	93	53326	4.380	ng/u1	98
29) 2,4-Dichlorophenol	10.387	162	32199	4.309	ng/u1	92
30) Naphthalene	10.793	128	125243	4.329	ng/u1	100
32) 4-Chloroaniline	10.910	127	53982	4.035	ng/u1	97
33) Hexachlorobutadiene	11.069	225	23359	4.429	ng/u1	96
34) Caprolactam	11.698	113	12947m	4.275	ng/u1	
35) 4-Chloro-3-methylphenol	12.028	107	35250	3.976	ng/u1	100
36) 2-Methylnaphthalene	12.404	142	87396	4.320	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.622	142	89399	4.453	ng/ul#	100
39) 1,2,4,5-Tetrachloroben...	12.769	216	46269	4.261	ng/ul	97
40) Hexachlorocyclopentadiene	12.739	237	31287	4.303	ng/ul	94
41) 2,4,6-Trichlorophenol	13.010	196	21445	3.564	ng/ul	95
42) 2,4,5-Trichlorophenol	13.081	196	22998	3.404	ng/ul	99
43) 1,1'-Biphenyl	13.416	154	118492	4.220	ng/ul	98
44) 2-Chloronaphthalene	13.457	162	93347	4.256	ng/ul	97
45) 2-Nitroaniline	13.663	65	21351	3.672	ng/ul	98
47) Dimethylphthalate	14.045	163	124216	4.253	ng/ul	99
48) 2,6-Dinitrotoluene	14.169	165	16864	3.571	ng/ul	92
50) Acenaphthylene	14.304	152	158510	4.230	ng/ul	100
51) 3-Nitroaniline	14.492	138	18591	3.625	ng/ul#	97
52) Acenaphthene	14.645	153	101380	4.121	ng/ul	97
53) 2,4-Dinitrophenol	14.698	184	8923	4.422	ng/ul	95
55) 4-Nitrophenol	14.792	109	21476	4.697	ng/ul	97
56) Dibenzofuran	14.981	168	142204	4.274	ng/ul	100
57) 2,4-Dinitrotoluene	14.951	165	26352	3.811	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.204	232	19824	3.557	ng/ul	93
59) Diethylphthalate	15.416	149	123531	4.055	ng/ul	96
61) Fluorene	15.628	166	121615	4.221	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.633	204	61030	4.335	ng/ul	98
63) 4-Nitroaniline	15.651	138	21421	4.241	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.710	198	13856	3.536	ng/ul	97
67) N-Nitrosodiphenylamine	15.845	169	98866	4.030	ng/ul	95
68) 4-Bromophenyl-phenylether	16.528	248	26995	2.985	ng/ul	99
69) Hexachlorobenzene	16.622	284	43587	4.004	ng/ul#	88
70) Atrazine	16.804	200	39910	4.284	ng/ul	97
71) Pentachlorophenol	16.975	266	21675	3.685	ng/ul	90
72) Phenanthrene	17.375	178	196508	4.186	ng/ul	99
74) Anthracene	17.469	178	194580	3.991	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.375	216	45202	4.131	ng/uL	98
76) Pentachlorobenzene	14.886	250	51001	4.503	ng/uL	96
77) Carbazole	17.739	167	174960	3.881	ng/ul	99
78) Di-n-butylphthalate	18.322	149	198415	3.609	ng/ul	99
80) Fluoranthene	19.392	202	226581	4.131	ng/ul	98
82) Pyrene	19.757	202	247836	4.254	ng/ul	99
83) Butylbenzylphthalate	20.680	149	74612	3.276	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.457	252	81293	4.195	ng/ul	95
85) Benzo(a)anthracene	21.515	228	265264	4.309	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.474	149	128067	3.405	ng/ul	98
87) Chrysene	21.568	228	245383	4.310	ng/ul	96
89) Di-n-octyl phthalate	22.421	149	193017	2.771	ng/ul	100
90) Benzo(b)fluoranthene	23.210	252	247052	3.943	ng/ul	98
91) Benzo(k)fluoranthene	23.257	252	259815	4.161	ng/ul	96
93) Benzo(a)pyrene	23.839	252	241187	4.059	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.445	276	298040	3.963	ng/ul	98
95) Dibenzo(a,h)anthracene	26.480	278	245392	3.913	ng/ul	93
96) Benzo(g,h,i)perylene	27.209	276	225989	3.763	ng/ul#	93

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

