

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011724\
 Data File : BN029273.D
 Acq On : 17 Jan 2024 15:48
 Operator : MA/JU
 Sample : 04696-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-MED-SOIL-QT4-2023-08

Quant Time: Jan 18 01:05:48 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 01/18/2024
 Supervised By :Sohil Jodhani 01/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	152080	20.000	ng/u1	0.00
20) Naphthalene-d8	10.746	136	688800	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.581	164	471208	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.328	188	1061959	20.000	ng/u1	0.00
79) Chrysene-d12	21.527	240	1002677	20.000	ng/u1	0.00
88) Perylene-d12	23.939	264	1122109	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.370	96	19077	5.181	ng/uL	0.00
4) Pyridine-d5	3.781	84	259991	22.890	ng/u1	0.00
7) Phenol-d5	7.099	99	301774	20.681	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.281	67	197930	21.507	ng/u1	0.00
11) 2-Chlorophenol-d4	7.469	132	231966	22.473	ng/u1	0.00
15) 4-Methylphenol-d8	8.646	113	242676	20.628	ng/u1	0.00
21) Nitrobenzene-d5	9.110	128	117329	23.480	ng/u1	0.00
24) 2-Nitrophenol-d4	9.828	143	98670	23.810	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.357	165	216288	20.967	ng/u1	0.00
31) 4-Chloroaniline-d4	10.887	131	369317	19.782	ng/u1	0.00
46) Dimethylphthalate-d6	13.998	166	824438	21.255	ng/u1	0.00
49) Acenaphthylene-d8	14.275	160	930286	21.297	ng/u1	0.00
54) 4-Nitrophenol-d4	14.775	143	128419	19.024	ng/u1	0.00
60) Fluorene-d10	15.575	176	717669	21.710	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.692	200	75090	16.814	ng/u1	0.00
73) Anthracene-d10	17.428	188	1087679	20.374	ng/u1	0.00
81) Pyrene-d10	19.728	212	1296627	23.272	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.786	264	1284576	22.212	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.411	88	3804m	1.018	ng/uL	
5) Pyridine	3.805	79	50438	4.347	ng/u1#	73
6) Benzaldehyde	7.087	77	39847	6.085	ng/u1	97
8) Phenol	7.128	94	58462	3.942	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.375	93	52148	4.332	ng/u1	98
12) 2-Chlorophenol	7.499	128	47171	4.390	ng/u1	98
13) 2-Methylphenol	8.381	108	43604	3.860	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.469	45	68570	4.455	ng/u1	98
16) Acetophenone	8.769	105	83667	4.197	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.758	70	44950	4.284	ng/u1	99
18) 4-Methylphenol	8.710	108	48249	3.969	ng/u1	99
19) Hexachloroethane	9.010	117	20819	4.268	ng/u1	95
22) Nitrobenzene	9.146	77	62870	4.551	ng/u1	98
23) Isophorone	9.675	82	121566	4.140	ng/u1	99
25) 2-Nitrophenol	9.857	139	21923	4.518	ng/u1	97
26) 2,4-Dimethylphenol	9.916	107	53246	4.104	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.169	93	71546	4.328	ng/u1	98
29) 2,4-Dichlorophenol	10.387	162	44631	4.399	ng/u1	97
30) Naphthalene	10.793	128	171288	4.361	ng/u1	98
32) 4-Chloroaniline	10.910	127	74174	4.084	ng/u1	98
33) Hexachlorobutadiene	11.069	225	30398	4.245	ng/u1	94
34) Caprolactam	11.704	113	16949m	4.122	ng/u1	
35) 4-Chloro-3-methylphenol	12.028	107	48586	4.037	ng/u1	99
36) 2-Methylnaphthalene	12.404	142	118445	4.312	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.622	142	122276	4.487	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.763	216	60305	4.106	ng/ul#	94
40) Hexachlorocyclopentadiene	12.740	237	39697	4.037	ng/ul	98
41) 2,4,6-Trichlorophenol	13.010	196	29520	3.628	ng/ul	98
42) 2,4,5-Trichlorophenol	13.075	196	34871	3.817	ng/ul	94
43) 1,1'-Biphenyl	13.416	154	161303	4.248	ng/ul	100
44) 2-Chloronaphthalene	13.457	162	125104	4.217	ng/ul	99
45) 2-Nitroaniline	13.663	65	31933	4.061	ng/ul	98
47) Dimethylphthalate	14.045	163	168037	4.254	ng/ul	99
48) 2,6-Dinitrotoluene	14.169	165	24923	3.903	ng/ul	99
50) Acenaphthylene	14.298	152	211707	4.177	ng/ul	99
51) 3-Nitroaniline	14.493	138	26716	3.851	ng/ul	98
52) Acenaphthene	14.640	153	139773	4.202	ng/ul	99
53) 2,4-Dinitrophenol	14.692	184	13282	4.867	ng/ul	92
55) 4-Nitrophenol	14.787	109	28636	4.631	ng/ul	91
56) Dibenzofuran	14.981	168	191752	4.262	ng/ul	97
57) 2,4-Dinitrotoluene	14.945	165	38039	4.068	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.204	232	26944	3.575	ng/ul	95
59) Diethylphthalate	15.416	149	167261	4.059	ng/ul	97
61) Fluorene	15.628	166	160231	4.112	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.628	204	79833	4.193	ng/ul	97
63) 4-Nitroaniline	15.651	138	28905	4.232	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.704	198	20726	4.030	ng/ul#	80
67) N-Nitrosodiphenylamine	15.845	169	135581	4.211	ng/ul	99
68) 4-Bromophenyl-phenylether	16.528	248	34712	2.924	ng/ul	93
69) Hexachlorobenzene	16.622	284	58047	4.063	ng/ul	95
70) Atrazine	16.804	200	53873	4.406	ng/ul	98
71) Pentachlorophenol	16.975	266	28930m	3.748	ng/ul	
72) Phenanthrene	17.369	178	253057	4.107	ng/ul	98
74) Anthracene	17.463	178	249571	3.901	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.375	216	61820	4.305	ng/uL	99
76) Pentachlorobenzene	14.887	250	67996	4.575	ng/uL	92
77) Carbazole	17.739	167	221696	3.747	ng/ul	98
78) Di-n-butylphthalate	18.322	149	263649	3.654	ng/ul	99
80) Fluoranthene	19.392	202	296873	4.509	ng/ul	97
82) Pyrene	19.757	202	316142	4.521	ng/ul	99
83) Butylbenzylphthalate	20.680	149	99015	3.621	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.451	252	92479	3.975	ng/ul	99
85) Benzo(a)anthracene	21.516	228	308539	4.176	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.469	149	164512	3.644	ng/ul	98
87) Chrysene	21.569	228	290491	4.251	ng/ul	97
89) Di-n-octyl phthalate	22.416	149	249420	3.153	ng/ul	100
90) Benzo(b)fluoranthene	23.204	252	299194	4.205	ng/ul	96
91) Benzo(k)fluoranthene	23.257	252	301570	4.253	ng/ul	98
93) Benzo(a)pyrene	23.833	252	285824	4.236	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.439	276	335099	3.924	ng/ul	98
95) Dibenzo(a,h)anthracene	26.468	278	276843	3.888	ng/ul	96
96) Benzo(g,h,i)perylene	27.204	276	262922	3.856	ng/ul	95

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

