

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011624\
 Data File : BN029247.D
 Acq On : 16 Jan 2024 13:55
 Operator : MA/JU
 Sample : 03573-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT3-2023-05

Quant Time: Jan 17 01:25:34 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	7.946	152	141268	20.000	ng/u1	0.00
20) Naphthalene-d8	10.746	136	653121	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.581	164	446384	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.334	188	1028845	20.000	ng/u1	0.00
79) Chrysene-d12	21.533	240	1035660	20.000	ng/u1	0.00
88) Perylene-d12	23.951	264	1249527	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.375	96	15460	4.520	ng/uL	0.00
4) Pyridine-d5	3.781	84	232740	22.059	ng/u1	0.00
7) Phenol-d5	7.105	99	279591	20.628	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.281	67	184733	21.609	ng/u1	0.00
11) 2-Chlorophenol-d4	7.469	132	214090	22.329	ng/u1	0.00
15) 4-Methylphenol-d8	8.652	113	230606	21.102	ng/u1	0.00
21) Nitrobenzene-d5	9.110	128	109417	23.092	ng/u1	0.00
24) 2-Nitrophenol-d4	9.828	143	92286	23.486	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.363	165	201943	20.646	ng/u1	0.00
31) 4-Chloroaniline-d4	10.887	131	345880	19.539	ng/u1	0.00
46) Dimethylphthalate-d6	14.004	166	800747	21.793	ng/u1	0.00
49) Acenaphthylene-d8	14.275	160	901383	21.783	ng/u1	0.00
54) 4-Nitrophenol-d4	14.781	143	122610	19.173	ng/u1	0.00
60) Fluorene-d10	15.575	176	689314	22.012	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.692	200	67174	15.525	ng/u1	0.00
73) Anthracene-d10	17.433	188	1081963	20.920	ng/u1	0.00
81) Pyrene-d10	19.727	212	1318748	22.915	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.798	264	1412198	21.928	ng/u1	0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.411	88	4223	1.217	ng/uL#	78
5) Pyridine	3.805	79	45166	4.190	ng/u1#	56
6) Benzaldehyde	7.087	77	39254m	6.453	ng/u1	
8) Phenol	7.128	94	54873	3.983	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.375	93	47448	4.244	ng/u1	96
12) 2-Chlorophenol	7.505	128	44215	4.430	ng/u1	99
13) 2-Methylphenol	8.387	108	40674	3.876	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.481	45	61968	4.334	ng/u1	99
16) Acetophenone	8.775	105	78303	4.229	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.757	70	41049	4.212	ng/u1	98
18) 4-Methylphenol	8.710	108	45754	4.052	ng/u1	99
19) Hexachloroethane	9.016	117	19437	4.290	ng/u1	97
22) Nitrobenzene	9.152	77	59693	4.557	ng/u1	94
23) Isophorone	9.675	82	116447	4.182	ng/u1	99
25) 2-Nitrophenol	9.857	139	20324	4.418	ng/u1	95
26) 2,4-Dimethylphenol	9.922	107	50947	4.142	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.169	93	68126	4.347	ng/u1	98
29) 2,4-Dichlorophenol	10.387	162	41657	4.331	ng/u1	99
30) Naphthalene	10.793	128	161587	4.339	ng/u1	99
32) 4-Chloroaniline	10.910	127	71120	4.130	ng/u1	97
33) Hexachlorobutadiene	11.069	225	29460	4.339	ng/u1	96
34) Caprolactam	11.704	113	16847	4.321	ng/u1	89
35) 4-Chloro-3-methylphenol	12.028	107	45384	3.977	ng/u1	99
36) 2-Methylnaphthalene	12.404	142	112343	4.314	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.622	142	114173	4.418	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.769	216	60464	4.346	ng/ul	96
40) Hexachlorocyclopentadiene	12.740	237	41905	4.499	ng/ul	93
41) 2,4,6-Trichlorophenol	13.010	196	28299	3.671	ng/ul	91
42) 2,4,5-Trichlorophenol	13.081	196	34348	3.969	ng/ul	99
43) 1,1'-Biphenyl	13.416	154	150134	4.174	ng/ul	99
44) 2-Chloronaphthalene	13.457	162	118564	4.219	ng/ul	97
45) 2-Nitroaniline	13.669	65	28259	3.794	ng/ul	96
47) Dimethylphthalate	14.051	163	161438	4.315	ng/ul	99
48) 2,6-Dinitrotoluene	14.169	165	22837	3.775	ng/ul	97
50) Acenaphthylene	14.304	152	201844	4.204	ng/ul	100
51) 3-Nitroaniline	14.492	138	24676	3.755	ng/ul	98
52) Acenaphthene	14.645	153	132709	4.211	ng/ul	97
53) 2,4-Dinitrophenol	14.698	184	10828	4.188	ng/ul	92
55) 4-Nitrophenol	14.792	109	26437	4.513	ng/ul	99
56) Dibenzofuran	14.981	168	183607	4.308	ng/ul	97
57) 2,4-Dinitrotoluene	14.951	165	34302	3.872	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.204	232	25980	3.639	ng/ul	98
59) Diethylphthalate	15.416	149	161038	4.126	ng/ul	99
61) Fluorene	15.634	166	158245	4.287	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.634	204	77065	4.273	ng/ul	98
63) 4-Nitroaniline	15.651	138	27701	4.281	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.704	198	18393	3.692	ng/ul#	74
67) N-Nitrosodiphenylamine	15.845	169	129346	4.146	ng/ul	96
68) 4-Bromophenyl-phenylether	16.528	248	40132	3.490	ng/ul	95
69) Hexachlorobenzene	16.622	284	57527	4.156	ng/ul#	92
70) Atrazine	16.804	200	53631	4.528	ng/ul	97
71) Pentachlorophenol	16.975	266	29631	3.962	ng/ul	93
72) Phenanthrene	17.375	178	250927	4.204	ng/ul	98
74) Anthracene	17.469	178	250807	4.046	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.375	216	56926	4.092	ng/uL	91
76) Pentachlorobenzene	14.892	250	68314	4.744	ng/uL	95
77) Carbazole	17.739	167	222073	3.874	ng/ul	99
78) Di-n-butylphthalate	18.322	149	259614	3.714	ng/ul	100
80) Fluoranthene	19.392	202	295001	4.338	ng/ul	98
82) Pyrene	19.757	202	311364	4.311	ng/ul	100
83) Butylbenzylphthalate	20.686	149	100902	3.573	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.457	252	92350	3.843	ng/ul	89
85) Benzo(a)anthracene	21.516	228	330164	4.326	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.474	149	167440	3.591	ng/ul	98
87) Chrysene	21.574	228	296849	4.206	ng/ul	99
89) Di-n-octyl phthalate	22.421	149	258567	2.935	ng/ul	100
90) Benzo(b)fluoranthene	23.210	252	317378	4.005	ng/ul	98
91) Benzo(k)fluoranthene	23.263	252	326394	4.134	ng/ul	99
93) Benzo(a)pyrene	23.845	252	308218	4.102	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.445	276	361764	3.804	ng/ul	95
95) Dibenzo(a,h)anthracene	26.480	278	300583	3.791	ng/ul	99
96) Benzo(g,h,i)perylene	27.215	276	285480	3.760	ng/ul	95

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

