

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
 Data File : BN023940.D
 Acq On : 03 Feb 2023 13:19
 Operator : CG/JU
 Sample : 01316-02MS
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A44G7MS

Quant Time: Feb 03 21:51:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Feb 02 02:10:45 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2023
 Supervised By :mohammad ahmed 02/06/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	171518	20.000	ng/u1	0.00
20) Naphthalene-d8	10.657	136	726724	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.504	164	464117	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.251	188	979682	20.000	ng/u1	0.00
79) Chrysene-d12	21.445	240	773737	20.000	ng/u1	0.00
88) Perylene-d12	23.845	264	714817	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	18904	4.448	ng/uL	0.00
4) Pyridine-d5	3.664	84	94370	7.948	ng/u1	0.00
7) Phenol-d5	7.016	99	88131	5.884	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.181	67	258988	27.361	ng/u1	0.00
11) 2-Chlorophenol-d4	7.375	132	242741	20.727	ng/u1	0.00
15) 4-Methylphenol-d8	8.569	113	165358	13.917	ng/u1	0.00
21) Nitrobenzene-d5	9.022	128	163090	27.660	ng/u1	0.00
24) 2-Nitrophenol-d4	9.740	143	170998	25.488	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.281	165	310063	24.752	ng/u1	0.00
31) 4-Chloroaniline-d4	10.804	131	345953	20.243	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	1129770	30.490	ng/u1	0.00
49) Acenaphthylene-d8	14.198	160	1175289	29.321	ng/u1	0.00
54) 4-Nitrophenol-d4	14.710	143	41137	6.124	ng/u1	0.00
60) Fluorene-d10	15.498	176	931241	29.979	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.622	200	198962	28.700	ng/u1	0.00
73) Anthracene-d10	17.351	188	1431465	31.385	ng/u1	0.00
81) Pyrene-d10	19.645	212	1613483	34.347	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.680	264	1199699	32.337	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.275	88	19327	4.415	ng/uL#	83
5) Pyridine	3.687	79	101125	8.476	ng/u1	95
6) Benzaldehyde	6.987	77	263973	40.531	ng/u1	97
8) Phenol	7.046	94	97927	6.504	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.275	93	327203	26.673	ng/u1	99
12) 2-Chlorophenol	7.410	128	250946	21.175	ng/u1	99
13) 2-Methylphenol	8.299	108	186911	16.361	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.387	45	423134	27.011	ng/u1	99
16) Acetophenone	8.681	105	515071	27.991	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.663	70	280383	27.756	ng/u1	99
18) 4-Methylphenol	8.634	108	180064	14.551	ng/u1	98
19) Hexachloroethane	8.928	117	122478	24.676	ng/u1	93
22) Nitrobenzene	9.063	77	412727	27.883	ng/u1	99
23) Isophorone	9.593	82	770531	27.580	ng/u1	98
25) 2-Nitrophenol	9.775	139	180329	25.884	ng/u1	98
26) 2,4-Dimethylphenol	9.834	107	293013	21.238	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.075	93	467032	27.363	ng/u1	99
29) 2,4-Dichlorophenol	10.310	162	297498	24.611	ng/u1	100
30) Naphthalene	10.710	128	1045015	26.552	ng/u1	99
32) 4-Chloroaniline	10.828	127	350858	20.628	ng/u1	100
33) Hexachlorobutadiene	10.987	225	217904	25.724	ng/u1	96
34) Caprolactam	11.622	113	12645m	3.348	ng/u1	
35) 4-Chloro-3-methylphenol	11.951	107	298157	23.011	ng/u1	99
36) 2-Methylnaphthalene	12.322	142	741152	27.715	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.540	142	755304	27.607	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.692	216	461666	28.950	ng/ul	92
40) Hexachlorocyclopentadiene	12.663	237	250064	21.780	ng/ul	92
41) 2,4,6-Trichlorophenol	12.934	196	284604	27.049	ng/ul	96
42) 2,4,5-Trichlorophenol	13.004	196	315624	27.694	ng/ul	98
43) 1,1'-Biphenyl	13.334	154	1040674	28.454	ng/ul	99
44) 2-Chloronaphthalene	13.375	162	815063	28.641	ng/ul	99
45) 2-Nitroaniline	13.592	65	256873	30.062	ng/ul	97
47) Dimethylphthalate	13.963	163	1104119	30.025	ng/ul	99
48) 2,6-Dinitrotoluene	14.092	165	232172	31.845	ng/ul	93
50) Acenaphthylene	14.222	152	1258855	29.241	ng/ul	100
51) 3-Nitroaniline	14.416	138	191188	29.131	ng/ul	95
52) Acenaphthene	14.569	153	862540	28.862	ng/ul	99
53) 2,4-Dinitrophenol	14.622	184	125722	24.530	ng/ul	94
55) 4-Nitrophenol	14.722	109	37491	6.565	ng/ul	95
56) Dibenzofuran	14.898	168	1229027	28.828	ng/ul	96
57) 2,4-Dinitrotoluene	14.875	165	321862	31.203	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.128	232	287485	28.285	ng/ul	97
59) Diethylphthalate	15.328	149	1102344	30.168	ng/ul	98
61) Fluorene	15.551	166	1021811	29.307	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.545	204	547899	29.955	ng/ul	97
63) 4-Nitroaniline	15.581	138	203506m	34.165	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.639	198	189347	28.368	ng/ul	99
67) N-Nitrosodiphenylamine	15.763	169	903184	31.929	ng/ul	99
68) 4-Bromophenyl-phenylether	16.439	248	362834	31.622	ng/ul	97
69) Hexachlorobenzene	16.551	284	414628	31.279	ng/ul#	89
70) Atrazine	16.722	200	333314	29.326	ng/ul	99
71) Pentachlorophenol	16.898	266	232513	27.396	ng/ul	95
72) Phenanthrene	17.292	178	1629264	30.879	ng/ul	99
74) Anthracene	17.386	178	1625922	30.918	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.298	216	456010	30.254	ng/uL	95
76) Pentachlorobenzene	14.816	250	470343	31.291	ng/uL	96
77) Carbazole	17.663	167	1423524	30.890	ng/ul	98
78) Di-n-butylphthalate	18.222	149	1837503	18.603	ng/ul	100
80) Fluoranthene	19.310	202	1880163	34.284	ng/ul	99
82) Pyrene	19.674	202	1887894	33.845	ng/ul	99
83) Butylbenzylphthalate	20.580	149	749972	32.238	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.368	252	413250	22.740	ng/ul	97
85) Benzo(a)anthracene	21.427	228	1677636	31.288	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.357	149	1111556	32.388	ng/ul	98
87) Chrysene	21.480	228	1534742	31.020	ng/ul	99
89) Di-n-octyl phthalate	22.286	149	1681512	31.274	ng/ul	100
90) Benzo(b)fluoranthene	23.115	252	1558825	31.620	ng/ul	98
91) Benzo(k)fluoranthene	23.157	252	1383919	29.727	ng/ul	93
93) Benzo(a)pyrene	23.739	252	1308928	31.559	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.327	276	1651153	32.991	ng/ul	98
95) Dibenzo(a,h)anthracene	26.345	278	1406526	33.980	ng/ul	97
96) Benzo(g,h,i)perylene	27.098	276	1334496	33.863	ng/ul	97

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

