

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111423\
 Data File : BN028593.D
 Acq On : 13 Nov 2023 23:32
 Operator : MA/JU
 Sample : SSTDICV020
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SICV224

Quant Time: Nov 14 04:53:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN111423.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 14 04:50:19 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/16/2023
 Supervised By :mohammad ahmed 11/16/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.699	152	194342	20.000	ng/u1	0.00
20) Naphthalene-d8	10.487	136	950556	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.345	164	637864	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.098	188	1375567	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	1172957	20.000	ng/u1	0.00
88) Perylene-d12	23.604	264	1038770	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.140	96	39078	7.200	ng/uL	0.00
4) Pyridine-d5	3.564	84	223514	18.784	ng/u1	0.00
7) Phenol-d5	6.887	99	361661	19.480	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.040	67	254541	22.166	ng/u1	0.00
11) 2-Chlorophenol-d4	7.234	132	336634	20.747	ng/u1	0.00
15) 4-Methylphenol-d8	8.428	113	301854	19.744	ng/u1	0.00
21) Nitrobenzene-d5	8.863	128	173781	20.362	ng/u1	0.00
24) 2-Nitrophenol-d4	9.581	143	175180	19.608	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.122	165	323284	21.282	ng/u1	0.00
31) 4-Chloroaniline-d4	10.640	131	469788	20.407	ng/u1	0.00
46) Dimethylphthalate-d6	13.769	166	1242704	21.607	ng/u1	0.00
49) Acenaphthylene-d8	14.040	160	1378846	20.801	ng/u1	0.00
54) 4-Nitrophenol-d4	14.587	143	102812	16.868	ng/u1	0.00
60) Fluorene-d10	15.345	176	1000668	21.104	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.469	200	153580	20.099	ng/u1	0.00
73) Anthracene-d10	17.198	188	1623246	21.140	ng/u1	0.00
81) Pyrene-d10	19.498	212	1833432	20.609	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.463	264	1441861	22.172	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.175	88	40655	7.013	ng/uL	96
5) Pyridine	3.581	79	193893	15.760	ng/u1	98
6) Benzaldehyde	6.846	77	168994	19.304	ng/u1	96
8) Phenol	6.911	94	338811	18.343	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.134	93	297263	18.962	ng/u1	98
12) 2-Chlorophenol	7.263	128	312317	19.346	ng/u1	99
13) 2-Methylphenol	8.158	108	264221	17.852	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.228	45	465818	19.247	ng/u1#	93
16) Acetophenone	8.528	105	546180	21.728	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.510	70	266302	20.313	ng/u1	98
18) 4-Methylphenol	8.487	108	285635	17.973	ng/u1	96
19) Hexachloroethane	8.769	117	141366	19.065	ng/u1	94
22) Nitrobenzene	8.905	77	333146	18.239	ng/u1	98
23) Isophorone	9.422	82	799682	19.634	ng/u1	100
25) 2-Nitrophenol	9.610	139	167819	17.860	ng/u1	97
26) 2,4-Dimethylphenol	9.681	107	277752	15.085	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.916	93	430787	18.314	ng/u1	97
29) 2,4-Dichlorophenol	10.146	162	297151	19.770	ng/u1	99
30) Naphthalene	10.540	128	1157038	19.010	ng/u1	99
32) 4-Chloroaniline	10.663	127	414817	19.220	ng/u1	98
33) Hexachlorobutadiene	10.828	225	210792	18.715	ng/u1	98
34) Caprolactam	11.440	113	115639m	22.734	ng/u1	
35) 4-Chloro-3-methylphenol	11.799	107	329836	20.120	ng/u1	98
36) 2-Methylnaphthalene	12.157	142	798980	19.826	ng/u1	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.375	142	781878	18.780	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.528	216	428665	19.780	ng/ul	95
40) Hexachlorocyclopentadiene	12.510	237	173640	15.911	ng/ul	99
41) 2,4,6-Trichlorophenol	12.781	196	243292	19.152	ng/ul	98
42) 2,4,5-Trichlorophenol	12.857	196	294799m	19.426	ng/ul	
43) 1,1'-Biphenyl	13.181	154	1113529	19.806	ng/ul	99
44) 2-Chloronaphthalene	13.222	162	848986	18.927	ng/ul	95
45) 2-Nitroaniline	13.440	65	214968	18.763	ng/ul	98
47) Dimethylphthalate	13.816	163	1108207	19.436	ng/ul	100
48) 2,6-Dinitrotoluene	13.934	165	236324	20.990	ng/ul	96
50) Acenaphthylene	14.063	152	1451275	19.435	ng/ul	99
51) 3-Nitroaniline	14.275	138	222764	20.183	ng/ul	97
52) Acenaphthene	14.410	153	933510	18.996	ng/ul	99
53) 2,4-Dinitrophenol	14.492	184	26168	9.486	ng/ul	90
55) 4-Nitrophenol	14.598	109	61485	15.424	ng/ul	96
56) Dibenzofuran	14.751	168	1323289	20.182	ng/ul	98
57) 2,4-Dinitrotoluene	14.722	165	323840	20.924	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.981	232	262510	21.489	ng/ul	95
59) Diethylphthalate	15.187	149	1174043	20.137	ng/ul	98
61) Fluorene	15.398	166	1078820	19.740	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.398	204	508352	19.221	ng/ul	96
63) 4-Nitroaniline	15.445	138	229370m	21.705	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.487	198	142235	17.816	ng/ul	96
67) N-Nitrosodiphenylamine	15.616	169	937985	19.778	ng/ul	97
68) 4-Bromophenyl-phenylether	16.292	248	308061	18.745	ng/ul	96
69) Hexachlorobenzene	16.398	284	373450	19.350	ng/ul	95
70) Atrazine	16.575	200	323419	22.267	ng/ul	97
71) Pentachlorophenol	16.751	266	177286	18.314	ng/ul	97
72) Phenanthrene	17.139	178	1685430	19.551	ng/ul	99
74) Anthracene	17.234	178	1728018	19.192	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.140	216	422954	17.969	ng/ul	96
76) Pentachlorobenzene	14.663	250	430422	18.660	ng/ul	98
77) Carbazole	17.510	167	1549470	21.007	ng/ul	100
78) Di-n-butylphthalate	18.081	149	1976811	20.061	ng/ul	100
80) Fluoranthene	19.163	202	1918479	18.432	ng/ul	99
82) Pyrene	19.528	202	2030722	18.917	ng/ul	99
83) Butylbenzylphthalate	20.451	149	880296	19.638	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.239	252	690831	25.860	ng/ul	98
85) Benzo(a)anthracene	21.292	228	1698338	18.368	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.239	149	1245281	19.760	ng/ul	99
87) Chrysene	21.345	228	1850283	19.346	ng/ul	96
89) Di-n-octyl phthalate	22.139	149	2055713	22.934	ng/ul	100
90) Benzo(b)fluoranthene	22.916	252	1486827	19.792	ng/ul	98
91) Benzo(k)fluoranthene	22.957	252	1733907	20.575	ng/ul	99
93) Benzo(a)pyrene	23.504	252	1430837	19.141	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	25.974	276	1620800	18.553	ng/ul	99
95) Dibenzo(a,h)anthracene	25.992	278	1327095	18.427	ng/ul	100
96) Benzo(g,h,i)perylene	26.698	276	1281316	18.587	ng/ul	96

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

