

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111423\
 Data File : BN028591.D
 Acq On : 13 Nov 2023 22:20
 Operator : MA/JU
 Sample : SSTD08099
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD080222

Quant Time: Nov 14 04:44:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN111423.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 14 04:07:03 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	253783	20.000	ng/u1	0.00
20) Naphthalene-d8	10.493	136	1245888	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.351	164	805151	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.104	188	1628368	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	1192295	20.000	ng/u1	0.00
88) Perylene-d12	23.615	264	1136135	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.140	96	200972	29.508	ng/uL	0.00
4) Pyridine-d5	3.558	84	1357465	76.877	ng/u1	0.00
7) Phenol-d5	6.893	99	2020394	83.598	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.046	67	1176866	81.409	ng/u1	0.00
11) 2-Chlorophenol-d4	7.240	132	1696455	82.358	ng/u1	0.00
15) 4-Methylphenol-d8	8.434	113	1672028	85.546	ng/u1	0.00
21) Nitrobenzene-d5	8.869	128	891153	87.769	ng/u1	0.00
24) 2-Nitrophenol-d4	9.587	143	1003520	106.411	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.128	165	1712692	78.657	ng/u1	0.00
31) 4-Chloroaniline-d4	10.646	131	2468002	75.293	ng/u1	0.00
46) Dimethylphthalate-d6	13.781	166	5244686	71.033	ng/u1	0.01
49) Acenaphthylene-d8	14.045	160	6044900	71.520	ng/u1	0.00
54) 4-Nitrophenol-d4	14.592	143	803975	74.007	ng/u1	0.00
60) Fluorene-d10	15.345	176	4342548	69.992	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.481	200	858046	115.076	ng/u1	0.01
73) Anthracene-d10	17.204	188	6257210	69.963	ng/u1	0.00
81) Pyrene-d10	19.504	212	6631638	79.640	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.468	264	5351937	79.905	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.175	88	215804	29.501	ng/uL	95
5) Pyridine	3.575	79	1366175	75.929	ng/u1	97
6) Benzaldehyde	6.846	77	786529	66.226	ng/u1	98
8) Phenol	6.916	94	2017764	84.565	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.134	93	1598249	80.861	ng/u1	100
12) 2-Chlorophenol	7.269	128	1667099	80.241	ng/u1	98
13) 2-Methylphenol	8.157	108	1571123	82.569	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.228	45	2369717	78.638	ng/u1	99
16) Acetophenone	8.534	105	2572834	82.893	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.534	70	1249751	76.204	ng/u1	99
18) 4-Methylphenol	8.499	108	1710053	84.172	ng/u1	95
19) Hexachloroethane	8.769	117	701496	81.979	ng/u1	97
22) Nitrobenzene	8.904	77	1871480	78.209	ng/u1	99
23) Isophorone	9.440	82	3890513	73.524	ng/u1	98
25) 2-Nitrophenol	9.616	139	983907	91.238	ng/u1	98
26) 2,4-Dimethylphenol	9.687	107	1856467	74.323	ng/u1	100
27) Bis(2-Chloroethoxy)met...	9.922	93	2300455	72.085	ng/u1	97
29) 2,4-Dichlorophenol	10.151	162	1624021	76.396	ng/u1	99
30) Naphthalene	10.546	128	5722951	72.011	ng/u1	99
32) 4-Chloroaniline	10.669	127	2305742	74.019	ng/u1	99
33) Hexachlorobutadiene	10.828	225	1065107	76.292	ng/u1	97
34) Caprolactam	11.475	113	549450m	78.218	ng/u1	
35) 4-Chloro-3-methylphenol	11.810	107	1809513	78.228	ng/u1	97
36) 2-Methylnaphthalene	12.163	142	3848443	70.878	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.381	142	3844116	69.045	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.534	216	2023488	73.188	ng/ul	92
40) Hexachlorocyclopentadiene	12.510	237	1179019	80.024	ng/ul	97
41) 2,4,6-Trichlorophenol	12.781	196	1342117	79.481	ng/ul	98
42) 2,4,5-Trichlorophenol	12.857	196	1492664	81.180	ng/ul	98
43) 1,1'-Biphenyl	13.187	154	5105660	71.709	ng/ul	99
44) 2-Chloronaphthalene	13.222	162	4089025	72.396	ng/ul	96
45) 2-Nitroaniline	13.445	65	1226394	97.107	ng/ul	99
47) Dimethylphthalate	13.828	163	5158713	70.894	ng/ul	100
48) 2,6-Dinitrotoluene	13.945	165	1160443	97.665	ng/ul	96
50) Acenaphthylene	14.075	152	6654414	70.461	ng/ul	99
51) 3-Nitroaniline	14.275	138	1119895	82.867	ng/ul	99
52) Acenaphthene	14.416	153	4337270	69.996	ng/ul	99
53) 2,4-Dinitrophenol	14.481	184	424481	104.851	ng/ul#	66
55) 4-Nitrophenol	14.604	109	547249	73.472	ng/ul	93
56) Dibenzofuran	14.751	168	5781876	68.606	ng/ul	99
57) 2,4-Dinitrotoluene	14.734	165	1599304	92.965	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.986	232	1253084	81.228	ng/ul	98
59) Diethylphthalate	15.192	149	5380572	71.681	ng/ul	98
61) Fluorene	15.404	166	4687304	67.235	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.404	204	2343475	68.294	ng/ul	96
63) 4-Nitroaniline	15.451	138	1046816m	76.569	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.498	198	885960	107.369	ng/ul#	87
67) N-Nitrosodiphenylamine	15.622	169	4062730	74.625	ng/ul	97
68) 4-Bromophenyl-phenylether	16.298	248	1497277	77.401	ng/ul	96
69) Hexachlorobenzene	16.404	284	1660338	74.044	ng/ul	97
70) Atrazine	16.586	200	1330341	76.155	ng/ul	99
71) Pentachlorophenol	16.751	266	1010843	82.766	ng/ul	92
72) Phenanthrene	17.145	178	7157269	70.445	ng/ul	99
74) Anthracene	17.239	178	7387694	72.021	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.145	216	2085158	81.373	ng/ul	94
76) Pentachlorobenzene	14.669	250	2073925	81.082	ng/ul	97
77) Carbazole	17.516	167	6701872	77.248	ng/ul	99
78) Di-n-butylphthalate	18.086	149	8366332	71.278	ng/ul	99
80) Fluoranthene	19.169	202	8038312	83.334	ng/ul	98
82) Pyrene	19.539	202	7998030	80.434	ng/ul	98
83) Butylbenzylphthalate	20.457	149	3520061	86.790	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.239	252	2082195	72.603	ng/ul#	94
85) Benzo(a)anthracene	21.298	228	6956465	71.780	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.239	149	4727532	75.896	ng/ul	99
87) Chrysene	21.351	228	6800082	75.418	ng/ul	97
89) Di-n-octyl phthalate	22.139	149	7851022	91.489	ng/ul	100
90) Benzo(b)fluoranthene	22.921	252	6529005	78.565	ng/ul	99
91) Benzo(k)fluoranthene	22.968	252	6516345	77.748	ng/ul	98
93) Benzo(a)pyrene	23.521	252	6065470	77.881	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	25.992	276	7258613	82.576	ng/ul	98
95) Dibenzo(a,h)anthracene	26.015	278	6009104	82.286	ng/ul	98
96) Benzo(g,h,i)perylene	26.715	276	5785796	83.170	ng/ul	97

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

