

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032024\
 Data File : BN030436.D
 Acq On : 20 Mar 2024 19:07
 Operator : MA/JU
 Sample : SSTD08024
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD080201

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay
 03/21/2024

Supervised By :mohammad
 ahmed
 03/26/2024

Quant Time: Mar 21 00:27:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN032024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 21 00:01:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	388393	20.000	ng/u1	0.00
20) Naphthalene-d8	10.516	136	1750558	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.375	164	1043735	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.122	188	2255295	20.000	ng/u1	0.00
79) Chrysene-d12	21.369	240	1729970	20.000	ng/u1	0.00
88) Perylene-d12	24.345	264	1633646	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.222	96	347811	30.223	ng/uL	0.00
4) Pyridine-d5	3.622	84	2562013	93.255	ng/u1	0.00
7) Phenol-d5	6.893	99	3209007	93.123	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.075	67	1898562	97.030	ng/u1	0.00
11) 2-Chlorophenol-d4	7.263	132	2415866	87.517	ng/u1	0.00
15) 4-Methylphenol-d8	8.440	113	2520149	92.788	ng/u1	0.01
21) Nitrobenzene-d5	8.893	128	1221198	83.605	ng/u1	0.01
24) 2-Nitrophenol-d4	9.604	143	1238159	80.851	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.140	165	2347435	85.950	ng/u1	0.01
31) 4-Chloroaniline-d4	10.657	131	3540566	87.342	ng/u1	0.00
46) Dimethylphthalate-d6	13.798	166	6721288	79.868	ng/u1	0.01
49) Acenaphthylene-d8	14.069	160	7764054	81.440	ng/u1	0.00
54) 4-Nitrophenol-d4	14.581	143	1382688	92.669	ng/u1	0.02
60) Fluorene-d10	15.375	176	5583545	80.880	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.492	200	979521	69.536	ng/u1	0.01
73) Anthracene-d10	17.228	188	8362389	76.361	ng/u1	0.01
81) Pyrene-d10	19.522	212	8843559	80.496	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.151	264	7624098	89.100	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.252	88	361917	32.762	ng/uL	97
5) Pyridine	3.640	79	2564305	91.745	ng/u1	99
6) Benzaldehyde	6.875	77	1273725m	79.306	ng/u1	
8) Phenol	6.922	94	3242099	94.550	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.169	93	2586186	94.370	ng/u1	99
12) 2-Chlorophenol	7.293	128	2494063	87.809	ng/u1	98
13) 2-Methylphenol	8.169	108	2472827	96.186	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.257	45	3411300	136.904	ng/u1	98
16) Acetophenone	8.557	105	3773109	86.431	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.563	70	1950955	93.406	ng/u1	96
18) 4-Methylphenol	8.510	108	2642974	97.292	ng/u1	96
19) Hexachloroethane	8.804	117	1008805	76.452	ng/u1	98
22) Nitrobenzene	8.934	77	2883775	76.507	ng/u1	98
23) Isophorone	9.469	82	5862847	89.974	ng/u1	98
25) 2-Nitrophenol	9.640	139	1375835	83.395	ng/u1	98
26) 2,4-Dimethylphenol	9.699	107	2717768	79.810	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.946	93	3549679	92.872	ng/u1	99
29) 2,4-Dichlorophenol	10.163	162	2267217	82.651	ng/u1	99
30) Naphthalene	10.569	128	7898461	79.043	ng/u1	99
32) 4-Chloroaniline	10.681	127	3389849	85.977	ng/u1	100
33) Hexachlorobutadiene	10.851	225	1344230	70.246	ng/u1	99
34) Caprolactam	11.481	113	865806m	105.994	ng/u1	
35) 4-Chloro-3-methylphenol	11.810	107	2670757	86.038	ng/u1	99
36) 2-Methylnaphthalene	12.187	142	5350670	82.219	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.410	142	5254755	81.673	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.551	216	2603572	78.993	ng/ul	96
40) Hexachlorocyclopentadiene	12.534	237	1576087	63.841	ng/ul	95
41) 2,4,6-Trichlorophenol	12.798	196	1791629	85.679	ng/ul	97
42) 2,4,5-Trichlorophenol	12.863	196	1940921	84.938	ng/ul	93
43) 1,1'-Biphenyl	13.210	154	6646034	75.447	ng/ul	99
44) 2-Chloronaphthalene	13.245	162	5364823	78.416	ng/ul	99
45) 2-Nitroaniline	13.457	65	1671764	84.755	ng/ul	99
47) Dimethylphthalate	13.845	163	6724213	78.622	ng/ul	99
48) 2,6-Dinitrotoluene	13.963	165	1429689	86.560	ng/ul	96
50) Acenaphthylene	14.098	152	8644639	77.936	ng/ul	99
51) 3-Nitroaniline	14.287	138	1417137	87.561	ng/ul	97
52) Acenaphthene	14.439	153	5637523	76.714	ng/ul	96
53) 2,4-Dinitrophenol	14.487	184	653317	70.395	ng/ul	96
55) 4-Nitrophenol	14.598	109	1009924	59.702	ng/ul	99
56) Dibenzofuran	14.781	168	7764989	79.218	ng/ul	98
57) 2,4-Dinitrotoluene	14.745	165	2054104	87.140	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.998	232	1604530	87.248	ng/ul	99
59) Diethylphthalate	15.222	149	6885723	75.325	ng/ul	98
61) Fluorene	15.428	166	5694706	70.374	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.428	204	2837897	73.257	ng/ul	98
63) 4-Nitroaniline	15.463	138	1336858	89.216	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.510	198	1114478	73.322	ng/ul#	98
67) N-Nitrosodiphenylamine	15.639	169	5501873	77.321	ng/ul	98
68) 4-Bromophenyl-phenylether	16.322	248	1980895	81.980	ng/ul	97
69) Hexachlorobenzene	16.422	284	2295063	86.731	ng/ul	95
70) Atrazine	16.604	200	1723139	70.364	ng/ul	99
71) Pentachlorophenol	16.763	266	1494449	83.458	ng/ul	99
72) Phenanthrene	17.169	178	9732147	73.991	ng/ul	98
74) Anthracene	17.263	178	9756672	72.921	ng/ul	96
75) 1,2,3,4-Tetrachloroben...	13.163	216	2619925	77.817	ng/ul	99
76) Pentachlorobenzene	14.692	250	2512641	80.028	ng/ul	99
77) Carbazole	17.528	167	9198241	77.414	ng/ul	98
78) Di-n-butylphthalate	18.110	149	11472030	69.482	ng/ul	98
80) Fluoranthene	19.186	202	10696162	79.455	ng/ul	99
82) Pyrene	19.551	202	10585024	76.500	ng/ul	96
83) Butylbenzylphthalate	20.474	149	4914714	74.145	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.280	252	3245020	86.315	ng/ul	97
85) Benzo(a)anthracene	21.351	228	10414181	80.221	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.304	149	7078464	70.551	ng/ul	97
87) Chrysene	21.416	228	9356422	77.711	ng/ul	94
89) Di-n-octyl phthalate	22.445	149	11595385	75.825	ng/ul	100
90) Benzo(b)fluoranthene	23.410	252	9435488	87.599	ng/ul	100
91) Benzo(k)fluoranthene	23.480	252	9403817	84.530	ng/ul	99
93) Benzo(a)pyrene	24.221	252	8674182	85.088	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.709	276	9255274m	76.340	ng/ul	
95) Dibenzo(a,h)anthracene	27.774	278	7747406	78.389	ng/ul	95
96) Benzo(g,h,i)perylene	28.756	276	7246119	73.794	ng/ul	98

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

