

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041924\
 Data File : BN031046.D
 Acq On : 19 Apr 2024 18:24
 Operator : MA/JU
 Sample : SSTD01039
 Misc :
 ALS Vial : 93 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD010218

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/22/2024
 Supervised By :mohammad ahmed 04/22/2024

Quant Time: Apr 19 22:45:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN041924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 19 22:25:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.634	152	99524	20.000	ng/u1	0.00
20) Naphthalene-d8	10.416	136	468206	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.281	164	336797	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.034	188	738579	20.000	ng/u1	0.00
79) Chrysene-d12	21.269	240	846152	20.000	ng/u1	0.00
88) Perylene-d12	24.169	264	1095169	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.146	96	8381	3.948	ng/uL	0.00
4) Pyridine-d5	3.558	84	53227	8.363	ng/u1	0.00
7) Phenol-d5	6.811	99	74382	9.239	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.981	67	47497	9.552	ng/u1	0.00
11) 2-Chlorophenol-d4	7.169	132	62261	10.194	ng/u1	0.00
15) 4-Methylphenol-d8	8.340	113	64311	9.531	ng/u1	0.00
21) Nitrobenzene-d5	8.793	128	31717	9.765	ng/u1	0.00
24) 2-Nitrophenol-d4	9.510	143	31770	10.693	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.040	165	65871	10.127	ng/u1	0.00
31) 4-Chloroaniline-d4	10.563	131	105106	9.815	ng/u1	0.00
46) Dimethylphthalate-d6	13.698	166	227976	10.138	ng/u1	0.00
49) Acenaphthylene-d8	13.975	160	258458	9.997	ng/u1	0.00
54) 4-Nitrophenol-d4	14.493	143	41157	9.569	ng/u1	0.00
60) Fluorene-d10	15.281	176	200445	10.187	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.404	200	28903	8.866	ng/u1	0.00
73) Anthracene-d10	17.134	188	319594	10.043	ng/u1	0.00
81) Pyrene-d10	19.433	212	414583	9.113	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.969	264	519976	10.304	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.176	88	8885	3.907	ng/uL	97
5) Pyridine	3.575	79	55268	8.606	ng/u1	96
6) Benzaldehyde	6.787	77	43001m	11.469	ng/u1	
8) Phenol	6.840	94	79845	9.520	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.069	93	66676	9.749	ng/u1	98
12) 2-Chlorophenol	7.199	128	65484	9.995	ng/u1	98
13) 2-Methylphenol	8.081	108	61131	9.459	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.163	45	88931	9.234	ng/u1	98
16) Acetophenone	8.458	105	109057	10.237	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.440	70	53032	9.884	ng/u1	98
18) 4-Methylphenol	8.405	108	70493	9.743	ng/u1	98
19) Hexachloroethane	8.705	117	27744	10.100	ng/u1	97
22) Nitrobenzene	8.834	77	75317	9.499	ng/u1	98
23) Isophorone	9.358	82	156296	9.885	ng/u1	100
25) 2-Nitrophenol	9.540	139	34919	10.000	ng/u1	94
26) 2,4-Dimethylphenol	9.599	107	76238	9.823	ng/u1	97
27) Bis(2-Chloroethoxy)met...	9.840	93	95788	9.528	ng/u1	99
29) 2,4-Dichlorophenol	10.069	162	65568	9.876	ng/u1	96
30) Naphthalene	10.469	128	241241	10.046	ng/u1	99
32) 4-Chloroaniline	10.587	127	101758	9.860	ng/u1	94
33) Hexachlorobutadiene	10.746	225	41704	9.979	ng/u1	95
34) Caprolactam	11.357	113	23171	9.342	ng/u1	93
35) 4-Chloro-3-methylphenol	11.710	107	76516	10.232	ng/u1	94
36) 2-Methylnaphthalene	12.087	142	168726	10.061	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.310	142	172410	10.128	ng/ul	94
39) 1,2,4,5-Tetrachloroben...	12.457	216	85285	9.812	ng/ul	99
40) Hexachlorocyclopentadiene	12.434	237	41400	8.387	ng/ul	99
41) 2,4,6-Trichlorophenol	12.704	196	55090	10.143	ng/ul	96
42) 2,4,5-Trichlorophenol	12.775	196	62373	10.169	ng/ul	99
43) 1,1'-Biphenyl	13.110	154	232248	10.117	ng/ul	98
44) 2-Chloronaphthalene	13.151	162	182164	10.080	ng/ul	99
45) 2-Nitroaniline	13.369	65	46042	9.574	ng/ul	95
47) Dimethylphthalate	13.746	163	235314	10.130	ng/ul	99
48) 2,6-Dinitrotoluene	13.869	165	39366	9.141	ng/ul	96
50) Acenaphthylene	14.004	152	307932	10.308	ng/ul	99
51) 3-Nitroaniline	14.198	138	44085	9.644	ng/ul	94
52) Acenaphthene	14.345	153	200191	10.056	ng/ul	95
53) 2,4-Dinitrophenol	14.404	184	15974	8.075	ng/ul	91
55) 4-Nitrophenol	14.510	109	34973	10.263	ng/ul	93
56) Dibenzofuran	14.687	168	280914	10.152	ng/ul	99
57) 2,4-Dinitrotoluene	14.657	165	61398	9.765	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	14.910	232	52319	10.270	ng/ul	98
59) Diethylphthalate	15.116	149	242111	10.260	ng/ul	98
61) Fluorene	15.334	166	238798	10.857	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.334	204	114577	10.618	ng/ul	98
63) 4-Nitroaniline	15.363	138	52114	11.727	ng/ul	92
66) 4,6-Dinitro-2-methylph...	15.416	198	31733	9.059	ng/ul#	96
67) N-Nitrosodiphenylamine	15.551	169	202941	10.089	ng/ul	100
68) 4-Bromophenyl-phenylether	16.228	248	70298	10.023	ng/ul	96
69) Hexachlorobenzene	16.334	284	81493	9.868	ng/ul	98
70) Atrazine	16.504	200	68653	9.847	ng/ul	96
71) Pentachlorophenol	16.681	266	46969	9.646	ng/ul	96
72) Phenanthrene	17.075	178	403806	10.642	ng/ul	99
74) Anthracene	17.169	178	399810	10.422	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.069	216	87827	9.679	ng/ul	97
76) Pentachlorobenzene	14.598	250	92732	10.062	ng/ul	94
77) Carbazole	17.439	167	377815	11.231	ng/ul	98
78) Di-n-butylphthalate	18.010	149	426806	10.400	ng/ul	99
80) Fluoranthene	19.098	202	479598	8.868	ng/ul	98
82) Pyrene	19.463	202	528546	9.254	ng/ul	98
83) Butylbenzylphthalate	20.375	149	214702	9.844	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.186	252	178979	11.512	ng/ul	97
85) Benzo(a)anthracene	21.251	228	571321	10.117	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.180	149	336466	10.461	ng/ul	98
87) Chrysene	21.310	228	554015	10.394	ng/ul	99
89) Di-n-octyl phthalate	22.280	149	607569	8.760	ng/ul	100
90) Benzo(b)fluoranthene	23.251	252	622640	9.660	ng/ul	98
91) Benzo(k)fluoranthene	23.310	252	654658	10.002	ng/ul	99
93) Benzo(a)pyrene	24.027	252	621093	10.201	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.421	276	758689	11.528	ng/ul	99
95) Dibenzo(a,h)anthracene	27.480	278	622017	11.226	ng/ul	97
96) Benzo(g,h,i)perylene	28.433	276	607699	11.761	ng/ul	97

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

