

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022825\
 Data File : BN036520.D
 Acq On : 28 Feb 2025 17:40
 Operator : RC/JU
 Sample : SST08015
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SST080207

Quant Time: Mar 03 09:06:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN022825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 03 08:48:44 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 03/03/2025
 Supervised By :Jagrut Upadhyay 03/03/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	87953	20.000	ng/ul	0.00
20) Naphthalene-d8	10.516	136	409225	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.369	164	286460	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.116	188	593885	20.000	ng/ul	0.00
79) Chrysene-d12	21.357	240	601605	20.000	ng/ul	0.00
88) Perylene-d12	24.327	264	665234	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	67754	31.096	ng/uL	0.00
4) Pyridine-d5	3.611	84	543377	85.879	ng/ul	0.00
7) Phenol-d5	6.905	99	679928	90.665	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.063	67	468996	94.314	ng/ul	0.00
11) 2-Chlorophenol-d4	7.263	132	500096	86.843	ng/ul	0.00
15) 4-Methylphenol-d8	8.446	113	564970	93.119	ng/ul	0.01
21) Nitrobenzene-d5	8.887	128	271165	82.032	ng/ul	0.00
24) 2-Nitrophenol-d4	9.604	143	303444	82.145	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.146	165	522335	78.335	ng/ul	0.00
31) 4-Chloroaniline-d4	10.657	131	764340	84.521	ng/ul	0.00
46) Dimethylphthalate-d6	13.787	166	1650449	76.699	ng/ul	0.00
49) Acenaphthylene-d8	14.063	160	1891338	78.667	ng/ul	0.00
54) 4-Nitrophenol-d4	14.592	143	352911	92.559	ng/ul	0.02
60) Fluorene-d10	15.369	176	1400255	77.526	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.498	200	333981	84.683	ng/ul	0.02
73) Anthracene-d10	17.222	188	2231347	76.947	ng/ul	0.01
81) Pyrene-d10	19.516	212	2620401	74.560	ng/ul	0.01
92) Benzo(a)pyrene-d12	24.133	264	2700134	77.658	ng/ul	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.240	88	72719	30.477	ng/uL	95
5) Pyridine	3.628	79	561164	86.520	ng/ul	98
6) Benzaldehyde	6.869	77	329622	72.416	ng/ul	98
8) Phenol	6.934	94	726161	92.778	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.158	93	548593	88.522	ng/ul	99
12) 2-Chlorophenol	7.299	128	515075	87.004	ng/ul	98
13) 2-Methylphenol	8.175	108	523704	91.134	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.252	45	1040222	103.249	ng/ul	99
16) Acetophenone	8.552	105	916893	91.046	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.552	70	525724	97.007	ng/ul	99
18) 4-Methylphenol	8.510	108	596603	94.104	ng/ul	99
19) Hexachloroethane	8.805	117	224839	81.866	ng/ul	99
22) Nitrobenzene	8.928	77	779177	84.193	ng/ul	99
23) Isophorone	9.463	82	1443340	86.899	ng/ul	99
25) 2-Nitrophenol	9.634	139	320173	80.577	ng/ul	99
26) 2,4-Dimethylphenol	9.704	107	630948	77.240	ng/ul	96
27) Bis(2-Chloroethoxy)met...	9.940	93	792863	82.016	ng/ul	99
29) 2,4-Dichlorophenol	10.169	162	522858	78.098	ng/ul	97
30) Naphthalene	10.569	128	1728229	77.573	ng/ul	99
32) 4-Chloroaniline	10.681	127	738576	84.798	ng/ul	99
33) Hexachlorobutadiene	10.851	225	320963	66.911	ng/ul	99
34) Caprolactam	11.487	113	214859m	94.084	ng/ul	
35) 4-Chloro-3-methylphenol	11.822	107	672705	84.808	ng/ul	98
36) 2-Methylnaphthalene	12.187	142	1224858	78.389	ng/ul	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.404	142	1216701	79.200	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.557	216	623776	69.969	ng/ul	96
40) Hexachlorocyclopentadiene	12.540	237	370195	72.925	ng/ul	99
41) 2,4,6-Trichlorophenol	12.798	196	435572	75.562	ng/ul	98
42) 2,4,5-Trichlorophenol	12.875	196	485065	77.439	ng/ul	98
43) 1,1'-Biphenyl	13.204	154	1612218	75.865	ng/ul	99
44) 2-Chloronaphthalene	13.245	162	1257691	74.993	ng/ul	98
45) 2-Nitroaniline	13.451	65	569035	96.232	ng/ul	99
47) Dimethylphthalate	13.840	163	1669366	77.068	ng/ul	99
48) 2,6-Dinitrotoluene	13.957	165	363718	85.287	ng/ul	91
50) Acenaphthylene	14.098	152	2020419	79.138	ng/ul	98
51) 3-Nitroaniline	14.281	138	375102	87.242	ng/ul	98
52) Acenaphthene	14.440	153	1452831	79.193	ng/ul	95
53) 2,4-Dinitrophenol	14.487	184	260243	95.609	ng/ul	96
55) 4-Nitrophenol	14.610	109	338072	83.962	ng/ul	97
56) Dibenzofuran	14.775	168	1961126	77.088	ng/ul	99
57) 2,4-Dinitrotoluene	14.745	165	541854	84.455	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.004	232	395964	75.559	ng/ul	96
59) Diethylphthalate	15.204	149	1766773	78.944	ng/ul	99
61) Fluorene	15.428	166	1627135	78.896	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.422	204	762315	72.351	ng/ul	96
63) 4-Nitroaniline	15.457	138	354164	83.440	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.510	198	355548	83.948	ng/ul	98
67) N-Nitrosodiphenylamine	15.634	169	1394709	77.293	ng/ul	98
68) 4-Bromophenyl-phenylether	16.310	248	446847	72.074	ng/ul	95
69) Hexachlorobenzene	16.428	284	499324	73.166	ng/ul	96
70) Atrazine	16.592	200	510241	72.007	ng/ul	97
71) Pentachlorophenol	16.769	266	370913	79.036	ng/ul	98
72) Phenanthrene	17.163	178	2578742	76.557	ng/ul	99
74) Anthracene	17.257	178	2686367	79.053	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.169	216	630654	70.024	ng/uL	96
76) Pentachlorobenzene	14.698	250	635050	71.870	ng/uL	95
77) Carbazole	17.522	167	2426273	81.613	ng/ul	99
78) Di-n-butylphthalate	18.092	149	3108106	79.239	ng/ul	99
80) Fluoranthene	19.180	202	2996392	72.382	ng/ul	99
82) Pyrene	19.545	202	3207750	72.935	ng/ul	99
83) Butylbenzylphthalate	20.445	149	1466900	78.361	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.263	252	858586	79.774	ng/ul	99
85) Benzo(a)anthracene	21.339	228	3236141	78.358	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.263	149	2116357	78.525	ng/ul	100
87) Chrysene	21.404	228	3014926	76.418	ng/ul	98
89) Di-n-octyl phthalate	22.392	149	3726007	71.733	ng/ul	100
90) Benzo(b)fluoranthene	23.392	252	3152592	72.753	ng/ul	99
91) Benzo(k)fluoranthene	23.463	252	3198169	73.796	ng/ul	99
93) Benzo(a)pyrene	24.204	252	3018861	78.277	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.709	276	3716724	85.354	ng/ul	96
95) Dibenzo(a,h)anthracene	27.762	278	3039985	87.794	ng/ul	97
96) Benzo(g,h,i)perylene	28.750	276	2907274	87.389	ng/ul	98

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

