

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032125\
 Data File : BM049740.D
 Acq On : 21 Mar 2025 14:19
 Operator : RC/JU
 Sample : SSTD08094
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD080038

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 03/24/2025
 Supervised By :Jagrut Upadhyay 03/24/2025

Quant Time: Mar 21 16:13:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM032125.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 21 16:01:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	332357	20.000	ng/u1	0.00
20) Naphthalene-d8	10.604	136	1141230	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.445	164	716498	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.192	188	1392992	20.000	ng/u1	0.00
79) Chrysene-d12	21.427	240	1507122	20.000	ng/u1	0.00
88) Perylene-d12	24.450	264	1335228	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	270850	33.282	ng/uL	0.00
4) Pyridine-d5	3.663	84	2037603	82.029	ng/u1	0.00
7) Phenol-d5	6.981	99	2081113	77.719	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.140	67	1303746	77.649	ng/u1	0.00
11) 2-Chlorophenol-d4	7.345	132	1678837	83.572	ng/u1	0.00
15) 4-Methylphenol-d8	8.522	113	1522690	74.247	ng/u1	0.00
21) Nitrobenzene-d5	8.963	128	738531	85.630	ng/u1	0.00
24) 2-Nitrophenol-d4	9.686	143	830205	90.217	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.228	165	1728807	86.049	ng/u1	0.00
31) 4-Chloroaniline-d4	10.739	131	2009316	78.774	ng/u1	0.00
46) Dimethylphthalate-d6	13.857	166	4273251	81.642	ng/u1	0.00
49) Acenaphthylene-d8	14.139	160	5380968	87.768	ng/u1	0.00
54) 4-Nitrophenol-d4	14.657	143	743532	84.368	ng/u1	0.02
60) Fluorene-d10	15.439	176	4040929	86.414	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.557	200	734626	86.475	ng/u1	0.00
73) Anthracene-d10	17.292	188	6323541	89.666	ng/u1	0.00
81) Pyrene-d10	19.580	212	7633887	84.286	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.250	264	6828763	95.801	ng/u1	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.287	88	285169	32.984	ng/uL	98
5) Pyridine	3.681	79	2014435	81.100	ng/u1	96
6) Benzaldehyde	6.945	77	977995	69.411	ng/u1	98
8) Phenol	7.010	94	2122659	77.093	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.234	93	1706234	77.644	ng/u1	98
12) 2-Chlorophenol	7.375	128	1720371	82.491	ng/u1	98
13) 2-Methylphenol	8.251	108	1515975	76.473	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.328	45	2085276	76.319	ng/u1	100
16) Acetophenone	8.628	105	2512721	75.436	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.628	70	1280439	75.536	ng/u1	95
18) 4-Methylphenol	8.587	108	1608585	73.725	ng/u1	96
19) Hexachloroethane	8.892	117	747058	82.087	ng/u1	92
22) Nitrobenzene	9.004	77	1816683	83.295	ng/u1	99
23) Isophorone	9.539	82	3273956	79.468	ng/u1	99
25) 2-Nitrophenol	9.716	139	896870	87.486	ng/u1	99
26) 2,4-Dimethylphenol	9.781	107	1529003	80.595	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.016	93	2050831	79.894	ng/u1	100
29) 2,4-Dichlorophenol	10.257	162	1674950	83.039	ng/u1	99
30) Naphthalene	10.651	128	4950298	83.500	ng/u1	99
32) 4-Chloroaniline	10.763	127	1917814	79.019	ng/u1	98
33) Hexachlorobutadiene	10.945	225	1263664	86.003	ng/u1	99
34) Caprolactam	11.551	113	417860m	76.239	ng/u1	
35) 4-Chloro-3-methylphenol	11.898	107	1436247	81.297	ng/u1	99
36) 2-Methylnaphthalene	12.269	142	3536222	81.211	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.486	142	3503109	81.485	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.639	216	2450380	93.148	ng/ul	98
40) Hexachlorocyclopentadiene	12.622	237	1380518	87.906	ng/ul	96
41) 2,4,6-Trichlorophenol	12.880	196	1356669	90.473	ng/ul	99
42) 2,4,5-Trichlorophenol	12.951	196	1461004	90.434	ng/ul	100
43) 1,1'-Biphenyl	13.280	154	4585109	86.098	ng/ul	99
44) 2-Chloronaphthalene	13.322	162	3658682	86.229	ng/ul	98
45) 2-Nitroaniline	13.522	65	900150	89.307	ng/ul	98
47) Dimethylphthalate	13.910	163	4188585	81.204	ng/ul	99
48) 2,6-Dinitrotoluene	14.022	165	849261	88.972	ng/ul	99
50) Acenaphthylene	14.169	152	5385256	86.130	ng/ul	100
51) 3-Nitroaniline	14.351	138	770402	84.255	ng/ul	97
52) Acenaphthene	14.510	153	3894465	86.438	ng/ul	98
53) 2,4-Dinitrophenol	14.551	184	482769	83.751	ng/ul	99
55) 4-Nitrophenol	14.669	109	588952	86.993	ng/ul	98
56) Dibenzofuran	14.845	168	5311648	83.454	ng/ul	100
57) 2,4-Dinitrotoluene	14.810	165	1200366	86.369	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	15.074	232	1171980	89.220	ng/ul	94
59) Diethylphthalate	15.274	149	4028256	81.530	ng/ul	99
61) Fluorene	15.498	166	4809198	88.059	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.492	204	2716165	89.918	ng/ul	91
63) 4-Nitroaniline	15.516	138	685647	79.622	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.574	198	806994	84.867	ng/ul#	95
67) N-Nitrosodiphenylamine	15.704	169	3692101	87.520	ng/ul	97
68) 4-Bromophenyl-phenylether	16.380	248	1480382	89.365	ng/ul	98
69) Hexachlorobenzene	16.498	284	1678293	89.310	ng/ul	97
70) Atrazine	16.657	200	1263093	78.622	ng/ul	98
71) Pentachlorophenol	16.839	266	1013071	84.790	ng/ul	98
72) Phenanthrene	17.233	178	7019172	89.321	ng/ul	100
74) Anthracene	17.327	178	7087226	90.082	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.245	216	2259714	93.177	ng/ul	100
76) Pentachlorobenzene	14.769	250	2155518	89.384	ng/ul	100
77) Carbazole	17.592	167	6054396	89.690	ng/ul	99
78) Di-n-butylphthalate	18.162	149	7018599	91.281	ng/ul	100
80) Fluoranthene	19.245	202	8787735	86.304	ng/ul	99
82) Pyrene	19.609	202	9303864	86.052	ng/ul	100
83) Butylbenzylphthalate	20.509	149	2990841	87.416	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.333	252	2804114	91.712	ng/ul	99
85) Benzo(a)anthracene	21.415	228	9139338	88.218	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.339	149	4705170	92.054	ng/ul#	95
87) Chrysene	21.474	228	8475344	90.354	ng/ul	98
89) Di-n-octyl phthalate	22.486	149	7389325	87.535	ng/ul	100
90) Benzo(b)fluoranthene	23.497	252	8316977	92.198	ng/ul	98
91) Benzo(k)fluoranthene	23.562	252	8336519	91.575	ng/ul	98
93) Benzo(a)pyrene	24.315	252	7630228	94.521	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.868	276	9362680	103.588	ng/ul	99
95) Dibenzo(a,h)anthracene	27.926	278	7662028	104.433	ng/ul	98
96) Benzo(g,h,i)perylene	28.938	276	6855612	101.216	ng/ul	98

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

