

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031425\
 Data File : BM049722.D
 Acq On : 14 Mar 2025 13:24
 Operator : RC/JU
 Sample : SSTD08088
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD080031

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

03/14/2025
 Supervised By :Jagrut
 Upadhyay

03/17/2025

Quant Time: Mar 14 14:51:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM031425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 14 14:07:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	478442	20.000	ng/u1	0.00
20) Naphthalene-d8	10.598	136	1835553	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.445	164	1259274	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.186	188	2420757	20.000	ng/u1	0.00
79) Chrysene-d12	21.427	240	2031628	20.000	ng/u1	0.00
88) Perylene-d12	24.444	264	1422997	20.000	ng/u1	0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.245	96	364013	29.350	ng/uL	0.00
4) Pyridine-d5	3.657	84	2925000	78.808	ng/u1	0.00
7) Phenol-d5	6.981	99	3301206	84.392	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.133	67	1959576	76.388	ng/u1	0.00
11) 2-Chlorophenol-d4	7.339	132	2529204	87.756	ng/u1	0.00
15) 4-Methylphenol-d8	8.527	113	2520285	84.710	ng/u1	0.02
21) Nitrobenzene-d5	8.963	128	1204515	86.828	ng/u1	0.01
24) 2-Nitrophenol-d4	9.686	143	1415059	99.520	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.227	165	2944163	95.289	ng/u1	0.01
31) 4-Chloroaniline-d4	10.733	131	3362897	79.584	ng/u1	0.00
46) Dimethylphthalate-d6	13.862	166	7820723	84.247	ng/u1	0.01
49) Acenaphthylene-d8	14.139	160	9384240	86.118	ng/u1	0.00
54) 4-Nitrophenol-d4	14.662	143	1320013	80.843	ng/u1	0.02
60) Fluorene-d10	15.439	176	7300558	89.557	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.562	200	1417937	98.706	ng/u1	0.02
73) Anthracene-d10	17.292	188	11199727	90.798	ng/u1	0.01
81) Pyrene-d10	19.580	212	12057579	104.516	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.244	264	7316083	95.826	ng/u1	0.02

Target Compounds					Qvalue
2) 1,4-Dioxane	3.281	88	381671	29.379	ng/uL 93
5) Pyridine	3.675	79	2886056	76.660	ng/u1 97
6) Benzaldehyde	6.939	77	1469899	66.821	ng/u1 99
8) Phenol	7.010	94	3342726	81.999	ng/u1 97
10) Bis(2-Chloroethyl)ether	7.228	93	2590458	78.766	ng/u1 99
12) 2-Chlorophenol	7.375	128	2574172	85.074	ng/u1 97
13) 2-Methylphenol	8.251	108	2453260	84.660	ng/u1 100
14) 2,2'-oxybis(1-Chloropr...	8.328	45	3206748	72.071	ng/u1 99
16) Acetophenone	8.627	105	3953819	78.898	ng/u1 96
17) N-Nitroso-di-n-propyla...	8.633	70	2025861	78.685	ng/u1 95
18) 4-Methylphenol	8.592	108	2672568	83.923	ng/u1 99
19) Hexachloroethane	8.886	117	1068887	78.733	ng/u1 94
22) Nitrobenzene	9.004	77	2880300	78.949	ng/u1 100
23) Isophorone	9.545	82	5677749	84.723	ng/u1 99
25) 2-Nitrophenol	9.716	139	1479272	92.186	ng/u1 99
26) 2,4-Dimethylphenol	9.786	107	2547199	82.502	ng/u1 99
27) Bis(2-Chloroethoxy)met...	10.016	93	3375053	80.804	ng/u1 100
29) 2,4-Dichlorophenol	10.257	162	2822983	90.585	ng/u1 98
30) Naphthalene	10.651	128	7974292	82.754	ng/u1 99
32) 4-Chloroaniline	10.763	127	3185075	78.397	ng/u1 100
33) Hexachlorobutadiene	10.945	225	2014870	90.430	ng/u1 99
34) Caprolactam	11.568	113	746357m	80.577	ng/u1
35) 4-Chloro-3-methylphenol	11.898	107	2549843	91.752	ng/u1 98
36) 2-Methylnaphthalene	12.263	142	6036107	88.145	ng/u1 100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.486	142	5974249	88.191	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.633	216	4278696	95.987	ng/ul	98
40) Hexachlorocyclopentadiene	12.621	237	2414264	88.173	ng/ul	100
41) 2,4,6-Trichlorophenol	12.880	196	2475898	98.686	ng/ul	98
42) 2,4,5-Trichlorophenol	12.957	196	2638542	96.028	ng/ul	99
43) 1,1'-Biphenyl	13.280	154	7969936	83.557	ng/ul	99
44) 2-Chloronaphthalene	13.321	162	6276650	82.418	ng/ul	99
45) 2-Nitroaniline	13.527	65	1613020	83.655	ng/ul	98
47) Dimethylphthalate	13.910	163	7546030	81.587	ng/ul	100
48) 2,6-Dinitrotoluene	14.021	165	1556288	93.092	ng/ul	98
50) Acenaphthylene	14.168	152	9483250	84.430	ng/ul	99
51) 3-Nitroaniline	14.351	138	1339372	77.199	ng/ul	99
52) Acenaphthene	14.509	153	6838932	84.542	ng/ul	98
53) 2,4-Dinitrophenol	14.557	184	976350	101.383	ng/ul	95
55) 4-Nitrophenol	14.674	109	999516	74.766	ng/ul	99
56) Dibenzofuran	14.845	168	9487769	84.079	ng/ul	95
57) 2,4-Dinitrotoluene	14.809	165	2161012	89.076	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.074	232	2242751	103.988	ng/ul	95
59) Diethylphthalate	15.280	149	7198128	80.572	ng/ul	96
61) Fluorene	15.498	166	8054129	81.317	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.492	204	4849875	92.628	ng/ul#	91
63) 4-Nitroaniline	15.521	138	1176632	67.918	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.574	198	1543204	96.208	ng/ul	99
67) N-Nitrosodiphenylamine	15.704	169	6758053	91.200	ng/ul	100
68) 4-Bromophenyl-phenylether	16.380	248	2881493	104.641	ng/ul	92
69) Hexachlorobenzene	16.498	284	3159530	99.023	ng/ul#	93
70) Atrazine	16.662	200	2378163	81.826	ng/ul	98
71) Pentachlorophenol	16.839	266	1940508	97.522	ng/ul	97
72) Phenanthrene	17.233	178	11996757	85.353	ng/ul	94
74) Anthracene	17.321	178	11692592	82.306	ng/ul	94
75) 1,2,3,4-Tetrachloroben...	13.245	216	4032695	97.480	ng/ul	99
76) Pentachlorobenzene	14.768	250	4057964	100.004	ng/ul	99
77) Carbazole	17.592	167	10468193	80.633	ng/ul	98
78) Di-n-butylphthalate	18.156	149	11038129	77.593	ng/ul#	96
80) Fluoranthene	19.239	202	12535751	94.082	ng/ul	100
82) Pyrene	19.603	202	12545628	86.232	ng/ul	99
83) Butylbenzylphthalate	20.509	149	4398467	92.778	ng/ul#	94
84) 3,3'-Dichlorobenzidine	21.333	252	3641778	86.329	ng/ul	99
85) Benzo(a)anthracene	21.409	228	12081455	85.715	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.338	149	6220882	83.324	ng/ul#	95
87) Chrysene	21.474	228	11031744	85.309	ng/ul	97
89) Di-n-octyl phthalate	22.485	149	8970857	95.736	ng/ul	100
90) Benzo(b)fluoranthene	23.497	252	9184736	97.198	ng/ul	98
91) Benzo(k)fluoranthene	23.556	252	9187709	95.624	ng/ul	98
93) Benzo(a)pyrene	24.309	252	8166646	94.281	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.850	276	9183546	88.210	ng/ul	100
95) Dibenzo(a,h)anthracene	27.909	278	7506800	87.975	ng/ul	99
96) Benzo(g,h,i)perylene	28.920	276	6713140	84.968	ng/ul	98

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

