

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021425\
 Data File : BM049659.D
 Acq On : 14 Feb 2025 14:15
 Operator : RC/JU
 Sample : SSTD04081
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD040023

Quant Time: Feb 18 12:01:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM021425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 18 11:46:09 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 02/18/2025
 Supervised By :Jagrut Upadhyay 02/18/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	229329	20.000	ng/u1	0.00
20) Naphthalene-d8	10.610	136	849232	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.451	164	548082	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.186	188	1077173	20.000	ng/u1	0.00
79) Chrysene-d12	21.427	240	1138415	20.000	ng/u1	0.00
88) Perylene-d12	24.444	264	1069630	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	97423	16.212	ng/uL	0.00
4) Pyridine-d5	3.663	84	732465	41.057	ng/u1	0.00
7) Phenol-d5	6.981	99	746722	40.028	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.140	67	495340	40.053	ng/u1	0.00
11) 2-Chlorophenol-d4	7.345	132	583944	42.689	ng/u1	0.00
15) 4-Methylphenol-d8	8.522	113	560857	39.930	ng/u1	0.00
21) Nitrobenzene-d5	8.969	128	268338	42.043	ng/u1	0.00
24) 2-Nitrophenol-d4	9.692	143	286638	44.325	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.234	165	608816	43.340	ng/u1	0.00
31) 4-Chloroaniline-d4	10.739	131	783968	40.471	ng/u1	0.00
46) Dimethylphthalate-d6	13.863	166	1685948	41.639	ng/u1	0.00
49) Acenaphthylene-d8	14.145	160	2021298	42.600	ng/u1	0.00
54) 4-Nitrophenol-d4	14.651	143	293617	41.497	ng/u1	0.00
60) Fluorene-d10	15.439	176	1482958	41.824	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.557	200	243845	39.102	ng/u1	0.00
73) Anthracene-d10	17.286	188	2338737	42.605	ng/u1	0.00
81) Pyrene-d10	19.580	212	2702355	42.792	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.238	264	2510662	44.031	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.287	88	103009	16.464	ng/uL	98
5) Pyridine	3.687	79	736419	40.504	ng/u1	95
6) Benzaldehyde	6.951	77	465164	44.042	ng/u1	99
8) Phenol	7.010	94	766386	39.309	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.234	93	626849	40.083	ng/u1	99
12) 2-Chlorophenol	7.381	128	603281	41.945	ng/u1	99
13) 2-Methylphenol	8.257	108	547042	39.943	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.334	45	874128	40.398	ng/u1	100
16) Acetophenone	8.634	105	952034	40.245	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.622	70	517039	42.549	ng/u1	98
18) 4-Methylphenol	8.587	108	598194	39.743	ng/u1	98
19) Hexachloroethane	8.898	117	270227	41.825	ng/u1	98
22) Nitrobenzene	9.010	77	710918	41.759	ng/u1	100
23) Isophorone	9.539	82	1310120	42.510	ng/u1	99
25) 2-Nitrophenol	9.722	139	320909	43.888	ng/u1	97
26) 2,4-Dimethylphenol	9.787	107	592313	41.409	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.022	93	798017	41.465	ng/u1	98
29) 2,4-Dichlorophenol	10.257	162	601409	42.138	ng/u1	96
30) Naphthalene	10.657	128	1836563	41.199	ng/u1	99
32) 4-Chloroaniline	10.763	127	754645	40.361	ng/u1	100
33) Hexachlorobutadiene	10.951	225	420370	41.418	ng/u1	98
34) Caprolactam	11.533	113	174559m	41.632	ng/u1	
35) 4-Chloro-3-methylphenol	11.898	107	551737	43.546	ng/u1	98
36) 2-Methylnaphthalene	12.269	142	1311307	41.949	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.492	142	1302409	42.070	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.639	216	807317	41.861	ng/ul	99
40) Hexachlorocyclopentadiene	12.627	237	473853	39.725	ng/ul	97
41) 2,4,6-Trichlorophenol	12.880	196	476806	44.187	ng/ul	98
42) 2,4,5-Trichlorophenol	12.957	196	518179	43.838	ng/ul	99
43) 1,1'-Biphenyl	13.286	154	1747506	41.932	ng/ul	98
44) 2-Chloronaphthalene	13.322	162	1383380	41.532	ng/ul	100
45) 2-Nitroaniline	13.522	65	378269	44.418	ng/ul	96
47) Dimethylphthalate	13.910	163	1665826	41.221	ng/ul	99
48) 2,6-Dinitrotoluene	14.022	165	321585	44.657	ng/ul	96
50) Acenaphthylene	14.174	152	2065429	42.144	ng/ul	99
51) 3-Nitroaniline	14.351	138	317980	42.034	ng/ul	95
52) Acenaphthene	14.516	153	1489368	42.230	ng/ul	99
53) 2,4-Dinitrophenol	14.551	184	158538	39.051	ng/ul	95
55) 4-Nitrophenol	14.663	109	242632	41.224	ng/ul	96
56) Dibenzofuran	14.851	168	2033318	41.204	ng/ul	100
57) 2,4-Dinitrotoluene	14.804	165	472194	44.778	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.074	232	406484	44.213	ng/ul	99
59) Diethylphthalate	15.274	149	1645982	42.184	ng/ul	99
61) Fluorene	15.498	166	1860484	43.183	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.492	204	977849	43.205	ng/ul	100
63) 4-Nitroaniline	15.510	138	341630	44.665	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.568	198	278157	39.723	ng/ul	100
67) N-Nitrosodiphenylamine	15.704	169	1395718	42.095	ng/ul	100
68) 4-Bromophenyl-phenylether	16.386	248	517120	42.572	ng/ul	99
69) Hexachlorobenzene	16.498	284	594250	41.840	ng/ul	97
70) Atrazine	16.657	200	519254	40.193	ng/ul	98
71) Pentachlorophenol	16.845	266	345111	39.621	ng/ul	99
72) Phenanthrene	17.233	178	2625226	41.869	ng/ul	100
74) Anthracene	17.321	178	2706384	42.719	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.245	216	772672	41.980	ng/ul	99
76) Pentachlorobenzene	14.769	250	756464	41.931	ng/ul	98
77) Carbazole	17.592	167	2346339	40.374	ng/ul	99
78) Di-n-butylphthalate	18.162	149	2812380	44.107	ng/ul	100
80) Fluoranthene	19.245	202	3082731	42.235	ng/ul	99
82) Pyrene	19.609	202	3401910	42.554	ng/ul	100
83) Butylbenzylphthalate	20.509	149	1184748	44.441	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.333	252	993158	42.083	ng/ul	98
85) Benzo(a)anthracene	21.409	228	3394074	43.060	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.345	149	1955909	45.878	ng/ul#	99
87) Chrysene	21.468	228	3080543	42.452	ng/ul	99
89) Di-n-octyl phthalate	22.486	149	2970187	42.442	ng/ul	100
90) Benzo(b)fluoranthene	23.491	252	3040686	43.523	ng/ul	100
91) Benzo(k)fluoranthene	23.556	252	3119100	44.039	ng/ul	100
93) Benzo(a)pyrene	24.303	252	2835179	43.824	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.850	276	3509023	43.606	ng/ul	98
95) Dibenzo(a,h)anthracene	27.909	278	2861373	43.371	ng/ul	99
96) Benzo(g,h,i)perylene	28.909	276	2627900	42.702	ng/ul	99

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

