

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP070225\
 Data File : BP025069.D
 Acq On : 02 Jul 2025 15:22
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTD020677

Quant Time: Jul 02 15:59:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP063025.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 01 11:17:33 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/02/2025
 Supervised By :Jagrut Upadhyay 07/02/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.413	152	362360	20.000	ng/u1	-0.03
20) Naphthalene-d8	10.172	136	1514677	20.000	ng/u1	-0.02
38) Acenaphthene-d10	14.090	164	978473	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.919	188	2025605	20.000	ng/u1	0.00
79) Chrysene-d12	21.360	240	2164370	20.000	ng/u1	0.02
88) Perylene-d12	24.530	264	2268013	20.000	ng/u1	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.078	96	68795	8.498	ng/uL	-0.01
4) Pyridine-d5	3.455	84	475527	20.747	ng/u1	-0.02
7) Phenol-d5	6.596	99	552600	19.810	ng/u1	-0.03
9) Bis-(2-Chloroethyl)eth...	6.760	67	328974	20.486	ng/u1	-0.04
11) 2-Chlorophenol-d4	6.955	132	458984	20.334	ng/u1	-0.03
15) 4-Methylphenol-d8	8.107	113	445137	19.701	ng/u1	-0.03
21) Nitrobenzene-d5	8.537	128	205769	20.237	ng/u1	-0.04
24) 2-Nitrophenol-d4	9.260	143	171873	19.392	ng/u1	-0.02
28) 2,4-Dichlorophenol-d3	9.790	165	445824	19.795	ng/u1	-0.03
31) 4-Chloroaniline-d4	10.296	131	685278	19.759	ng/u1	-0.02
46) Dimethylphthalate-d6	13.501	166	1444071	20.545	ng/u1	-0.01
49) Acenaphthylene-d8	13.778	160	1690937	20.543	ng/u1	0.00
54) 4-Nitrophenol-d4	14.290	143	251876	18.971	ng/u1	0.00
60) Fluorene-d10	15.113	176	1238854	20.530	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.236	200	143993	16.360	ng/u1	0.00
73) Anthracene-d10	17.031	188	1939613	19.917	ng/u1	0.01
81) Pyrene-d10	19.419	212	2258727	20.347	ng/u1	0.02
92) Benzo(a)pyrene-d12	24.313	264	2292998	20.102	ng/u1	0.04
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.114	88	71965	8.232	ng/uL	97
5) Pyridine	3.472	79	490408	20.650	ng/u1	97
6) Benzaldehyde	6.572	77	337116	24.937	ng/u1	96
8) Phenol	6.625	94	574901	20.074	ng/u1	99
10) Bis(2-Chloroethyl)ether	6.849	93	452183	20.495	ng/u1	100
12) 2-Chlorophenol	6.984	128	474621	20.547	ng/u1	99
13) 2-Methylphenol	7.843	108	432287	19.824	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	7.931	45	629914	20.642	ng/u1	99
16) Acetophenone	8.207	105	740223	20.908	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.202	70	340680	21.062	ng/u1	98
18) 4-Methylphenol	8.160	108	473813	20.094	ng/u1	99
19) Hexachloroethane	8.478	117	181465	20.600	ng/u1	99
22) Nitrobenzene	8.572	77	475729	20.199	ng/u1	100
23) Isophorone	9.107	82	993414	20.442	ng/u1	99
25) 2-Nitrophenol	9.290	139	207746	20.029	ng/u1	99
26) 2,4-Dimethylphenol	9.349	107	510352	20.425	ng/u1	100
27) Bis(2-Chloroethoxy)met...	9.596	93	599380	19.938	ng/u1	99
29) 2,4-Dichlorophenol	9.813	162	451007	20.047	ng/u1	99
30) Naphthalene	10.219	128	1584262	19.931	ng/u1	100
32) 4-Chloroaniline	10.313	127	676410	19.868	ng/u1	99
33) Hexachlorobutadiene	10.525	225	284790	18.985	ng/u1	99
34) Caprolactam	11.060	113	151239m	18.964	ng/u1	
35) 4-Chloro-3-methylphenol	11.460	107	459175	20.462	ng/u1	97
36) 2-Methylnaphthalene	11.843	142	1128875	19.932	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.072	142	1120728	20.140	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.225	216	569809	19.727	ng/ul	99
40) Hexachlorocyclopentadiene	12.219	237	250252	17.705	ng/ul	99
41) 2,4,6-Trichlorophenol	12.472	196	345998	20.261	ng/ul	97
42) 2,4,5-Trichlorophenol	12.537	196	390659	20.562	ng/ul	97
43) 1,1'-Biphenyl	12.895	154	1465456	20.220	ng/ul	99
44) 2-Chloronaphthalene	12.925	162	1158317	20.554	ng/ul	100
45) 2-Nitroaniline	13.137	65	234019	21.972	ng/ul	93
47) Dimethylphthalate	13.548	163	1417263	20.431	ng/ul	99
48) 2,6-Dinitrotoluene	13.648	165	233283	21.479	ng/ul	97
50) Acenaphthylene	13.801	152	1923770	20.615	ng/ul	99
51) 3-Nitroaniline	13.978	138	257078	20.234	ng/ul	97
52) Acenaphthene	14.154	153	1236418	20.514	ng/ul	99
53) 2,4-Dinitrophenol	14.201	184	91150	16.820	ng/ul	98
55) 4-Nitrophenol	14.301	109	189384	20.119	ng/ul	96
56) Dibenzofuran	14.501	168	1762536	20.638	ng/ul	99
57) 2,4-Dinitrotoluene	14.466	165	345248	21.531	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.731	232	314131	20.459	ng/ul	99
59) Diethylphthalate	14.966	149	1399610	20.656	ng/ul	100
61) Fluorene	15.172	166	1426484	20.660	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.184	204	690127	20.248	ng/ul	99
63) 4-Nitroaniline	15.184	138	274725	21.933	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.254	198	165401	17.265	ng/ul	97
67) N-Nitrosodiphenylamine	15.389	169	1208849	20.157	ng/ul	99
68) 4-Bromophenyl-phenylether	16.095	248	419039	19.723	ng/ul	95
69) Hexachlorobenzene	16.201	284	526217	19.744	ng/ul	96
70) Atrazine	16.395	200	419218	19.025	ng/ul	98
71) Pentachlorophenol	16.566	266	283685	17.609	ng/ul	98
72) Phenanthrene	16.972	178	2273909	20.166	ng/ul	99
74) Anthracene	17.060	178	2338102	20.691	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	12.843	216	583239	19.250	ng/ul	99
76) Pentachlorobenzene	14.419	250	595209	19.423	ng/ul	100
77) Carbazole	17.348	167	2099449	20.724	ng/ul	99
78) Di-n-butylphthalate	17.978	149	2267317	20.291	ng/ul	99
80) Fluoranthene	19.072	202	2570916	19.938	ng/ul	97
82) Pyrene	19.454	202	2786904	20.362	ng/ul	97
83) Butylbenzylphthalate	20.448	149	809592	20.371	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.283	252	727279	18.387	ng/ul	99
85) Benzo(a)anthracene	21.342	228	2834982	20.369	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.348	149	1370610	20.544	ng/ul	99
87) Chrysene	21.407	228	2643399	20.373	ng/ul	99
89) Di-n-octyl phthalate	22.583	149	1913849	17.037	ng/ul	100
90) Benzo(b)fluoranthene	23.536	252	2696928	20.178	ng/ul	99
91) Benzo(k)fluoranthene	23.601	252	2763411	20.730	ng/ul	100
93) Benzo(a)pyrene	24.383	252	2585773	20.541	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.059	276	3124871m	19.577	ng/ul	
95) Dibenzo(a,h)anthracene	28.171	278	2463415	19.172	ng/ul	98
96) Benzo(g,h,i)perylene	29.153	276	2570719	19.593	ng/ul	100

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

