

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101725\
 Data File : BN038093.D
 Acq On : 17 Oct 2025 11:53
 Operator : RC/JU
 Sample : SST04050
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SST040248

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/20/2025
 Supervised By :Jagrut Upadhyay 10/20/2025

Quant Time: Oct 17 14:53:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN101725.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 17 14:30:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	292140	20.00	ng/ul	0.00
20) Naphthalene-d8	10.587	136	1208617	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.445	164	714095	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.198	188	1249337	20.00	ng/ul	0.00
79) Chrysene-d12	21.451	240	1181461	20.00	ng/ul	0.00
88) Perylene-d12	24.504	264	1175859	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.223	96	114110	16.55	ng/uL	0.00
4) Pyridine-d5	3.634	84	753950	40.08	ng/ul	0.00
7) Phenol-d5	6.946	99	965337	44.68	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.111	67	598921	44.40	ng/ul	0.00
11) 2-Chlorophenol-d4	7.316	132	826900	46.19	ng/ul	0.00
15) 4-Methylphenol-d8	8.493	113	798978	46.47	ng/ul	0.00
21) Nitrobenzene-d5	8.940	128	407368	45.02	ng/ul	0.00
24) 2-Nitrophenol-d4	9.669	143	433018	56.29	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.205	165	780424	45.89	ng/ul	0.00
31) 4-Chloroaniline-d4	10.722	131	1058688	41.41	ng/ul	0.00
46) Dimethylphthalate-d6	13.857	166	2136753	44.78	ng/ul	0.00
49) Acenaphthylene-d8	14.140	160	2563786	43.36	ng/ul	0.00
54) 4-Nitrophenol-d4	14.640	143	414078	45.44	ng/ul	0.00
60) Fluorene-d10	15.445	176	1849164	43.65	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.557	200	326894	54.11	ng/ul	0.00
73) Anthracene-d10	17.298	188	2613493	42.24	ng/ul	0.00
81) Pyrene-d10	19.592	212	2722358	44.90	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.298	264	2717536	45.72	ng/ul	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.258	88	120017	16.42	ng/uL	99
5) Pyridine	3.658	79	830095	42.27	ng/ul	97
6) Benzaldehyde	6.917	77	591218	56.25	ng/ul	99
8) Phenol	6.969	94	994611	44.07	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.205	93	825547	45.34	ng/ul	99
12) 2-Chlorophenol	7.346	128	865585	46.15	ng/ul	96
13) 2-Methylphenol	8.228	108	769428	46.01	ng/ul	96
14) 2,2'-oxybis(1-Chloropr...	8.311	45	1181060	46.91	ng/ul	99
16) Acetophenone	8.611	105	1282470	46.58	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.599	70	635861	50.16	ng/ul	97
18) 4-Methylphenol	8.558	108	833942	45.94	ng/ul	100
19) Hexachloroethane	8.869	117	363089	44.90	ng/ul	98
22) Nitrobenzene	8.987	77	945931	45.06	ng/ul	98
23) Isophorone	9.522	82	1733898	47.49	ng/ul	99
25) 2-Nitrophenol	9.699	139	477462	52.92	ng/ul	98
26) 2,4-Dimethylphenol	9.763	107	923271	45.73	ng/ul	99
27) Bis(2-Chloroethoxy)met...	9.999	93	1100603	45.23	ng/ul	99
29) 2,4-Dichlorophenol	10.234	162	785581	45.22	ng/ul	98
30) Naphthalene	10.640	128	2767716	42.72	ng/ul	99
32) 4-Chloroaniline	10.746	127	1088252	42.59	ng/ul	99
33) Hexachlorobutadiene	10.934	225	509712	42.23	ng/ul	99
34) Caprolactam	11.522	113	231976m	44.60	ng/ul	
35) 4-Chloro-3-methylphenol	11.875	107	803601	48.52	ng/ul	96
36) 2-Methylnaphthalene	12.257	142	1926699	45.09	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.481	142	1842521	43.81	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.634	216	912256	41.58	ng/ul	97
40) Hexachlorocyclopentadiene	12.616	237	655013	45.26	ng/ul	93
41) 2,4,6-Trichlorophenol	12.869	196	592510	49.25	ng/ul	97
42) 2,4,5-Trichlorophenol	12.940	196	660567	47.42	ng/ul	96
43) 1,1'-Biphenyl	13.275	154	2385059	43.53	ng/ul	98
44) 2-Chloronaphthalene	13.316	162	1834514	42.74	ng/ul	98
45) 2-Nitroaniline	13.516	65	500006	50.03	ng/ul	99
47) Dimethylphthalate	13.904	163	2159610	45.03	ng/ul	100
48) 2,6-Dinitrotoluene	14.016	165	435095	50.48	ng/ul	98
50) Acenaphthylene	14.169	152	2969989	43.06	ng/ul	98
51) 3-Nitroaniline	14.346	138	480040	51.50	ng/ul	100
52) Acenaphthene	14.510	153	1917838	42.55	ng/ul	97
53) 2,4-Dinitrophenol	14.551	184	232565	59.19	ng/ul	95
55) 4-Nitrophenol	14.657	109	315747	45.27	ng/ul	96
56) Dibenzofuran	14.845	168	2618371	42.52	ng/ul	98
57) 2,4-Dinitrotoluene	14.804	165	632980	51.21	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.075	232	522035	52.26	ng/ul	98
59) Diethylphthalate	15.275	149	2151393	46.95	ng/ul	98
61) Fluorene	15.498	166	2151963	43.24	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.493	204	1058349	44.24	ng/ul	98
63) 4-Nitroaniline	15.510	138	479331	53.89	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.575	198	352675	52.67	ng/ul#	99
67) N-Nitrosodiphenylamine	15.704	169	1780478	44.44	ng/ul	98
68) 4-Bromophenyl-phenylether	16.392	248	639891	45.96	ng/ul	96
69) Hexachlorobenzene	16.504	284	770687	44.67	ng/ul	97
70) Atrazine	16.663	200	599423	44.27	ng/ul	99
71) Pentachlorophenol	16.845	266	478174	49.50	ng/ul	95
72) Phenanthrene	17.239	178	3148113	43.40	ng/ul	99
74) Anthracene	17.334	178	3209348	43.59	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.240	216	880512	40.94	ng/uL	95
76) Pentachlorobenzene	14.769	250	905558	43.00	ng/uL	96
77) Carbazole	17.598	167	2818441	42.99	ng/ul	99
78) Di-n-butylphthalate	18.175	149	3499736	51.57	ng/ul	100
80) Fluoranthene	19.257	202	3328403	46.63	ng/ul	98
82) Pyrene	19.622	202	3359442	43.92	ng/ul	96
83) Butylbenzylphthalate	20.528	149	1441769	62.86	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.351	252	950543	42.15	ng/ul	99
85) Benzo(a)anthracene	21.433	228	3266159	43.70	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.363	149	2176810	63.01	ng/ul	98
87) Chrysene	21.498	228	3084325	43.01	ng/ul	97
89) Di-n-octyl phthalate	22.516	149	3429509	57.65	ng/ul	100
90) Benzo(b)fluoranthene	23.539	252	3182100	45.55	ng/ul	96
91) Benzo(k)fluoranthene	23.604	252	3218879	45.37	ng/ul	99
93) Benzo(a)pyrene	24.363	252	3020932	45.25	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.951	276	3919643	45.41	ng/ul	98
95) Dibenzo(a,h)anthracene	28.021	278	3209571	44.83	ng/ul	99
96) Benzo(g,h,i)perylene	29.021	276	3101914	43.89	ng/ul	96

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

