

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062025\
 Data File : BN037350.D
 Acq On : 19 Jun 2025 17:35
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020371

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/23/2025
 Supervised By :Jagrut Upadhyay 06/24/2025

Quant Time: Jun 19 18:15:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN062025.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 19 14:59:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.563	152	66531	20.000	ng/ul	0.00
20) Naphthalene-d8	10.340	136	233244	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.216	164	191205	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.969	188	399021	20.000	ng/ul	0.00
79) Chrysene-d12	21.204	240	411702	20.000	ng/ul	0.00
88) Perylene-d12	24.051	264	449189	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.064	96	10878	8.734	ng/uL	0.00
4) Pyridine-d5	3.469	84	70226	21.105	ng/ul	0.00
7) Phenol-d5	6.740	99	78410	20.440	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.905	67	50171	20.988	ng/ul	0.00
11) 2-Chlorophenol-d4	7.099	132	70700	20.790	ng/ul	0.00
15) 4-Methylphenol-d8	8.275	113	66112	21.052	ng/ul	0.00
21) Nitrobenzene-d5	8.716	128	33287	19.475	ng/ul	0.00
24) 2-Nitrophenol-d4	9.434	143	41808	20.055	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.969	165	95429	21.103	ng/ul	0.00
31) 4-Chloroaniline-d4	10.487	131	92729	20.404	ng/ul	0.00
46) Dimethylphthalate-d6	13.634	166	286736	20.329	ng/ul	0.00
49) Acenaphthylene-d8	13.910	160	314976	20.300	ng/ul	0.00
54) 4-Nitrophenol-d4	14.428	143	39857	19.028	ng/ul	0.00
60) Fluorene-d10	15.216	176	265629	20.839	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.345	200	53211	18.677	ng/ul	0.00
73) Anthracene-d10	17.069	188	410750	20.831	ng/ul	0.00
81) Pyrene-d10	19.369	212	464120	20.726	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.857	264	472715	20.251	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.099	88	12242	8.529	ng/uL	89
5) Pyridine	3.487	79	74108	21.533	ng/ul	95
6) Benzaldehyde	6.710	77	54327	24.819	ng/ul	96
8) Phenol	6.769	94	84149	21.424	ng/ul	93
10) Bis(2-Chloroethyl)ether	6.999	93	64122	20.450	ng/ul	95
12) 2-Chlorophenol	7.128	128	73227	21.460	ng/ul	98
13) 2-Methylphenol	8.010	108	60781	20.404	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.087	45	54082	20.508	ng/ul	98
16) Acetophenone	8.387	105	115212	22.443	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.375	70	54893	22.508	ng/ul	96
18) 4-Methylphenol	8.340	108	67628	20.996	ng/ul	98
19) Hexachloroethane	8.634	117	38302	21.428	ng/ul	90
22) Nitrobenzene	8.757	77	93796	20.242	ng/ul	95
23) Isophorone	9.281	82	150672	21.124	ng/ul	99
25) 2-Nitrophenol	9.463	139	44038	20.868	ng/ul	92
26) 2,4-Dimethylphenol	9.534	107	87184	20.860	ng/ul	98
27) Bis(2-Chloroethoxy)met...	9.769	93	90894	21.218	ng/ul	97
29) 2,4-Dichlorophenol	9.993	162	94157	21.325	ng/ul	98
30) Naphthalene	10.393	128	243344	20.788	ng/ul	99
32) 4-Chloroaniline	10.510	127	93560	20.753	ng/ul	96
33) Hexachlorobutadiene	10.681	225	94353	19.952	ng/ul	93
34) Caprolactam	11.269	113	17211m	18.564	ng/ul	
35) 4-Chloro-3-methylphenol	11.640	107	72978	21.024	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.016	142	189759	21.316	ng/ul	97
37) 1-Methylnaphthalene	12.240	142	188105	21.464	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.392	216	152315	19.306	ng/ul	99
40) Hexachlorocyclopentadiene	12.369	237	110633	18.331	ng/ul	96
41) 2,4,6-Trichlorophenol	12.640	196	87610	19.689	ng/ul	99
42) 2,4,5-Trichlorophenol	12.710	196	96671	19.327	ng/ul	100
43) 1,1'-Biphenyl	13.045	154	267358	19.555	ng/ul	97
44) 2-Chloronaphthalene	13.081	162	226223	20.059	ng/ul	98
45) 2-Nitroaniline	13.292	65	47474	19.976	ng/ul	99
47) Dimethylphthalate	13.687	163	276715	20.202	ng/ul	99
48) 2,6-Dinitrotoluene	13.804	165	53802	19.655	ng/ul	98
50) Acenaphthylene	13.939	152	344296	20.723	ng/ul	99
51) 3-Nitroaniline	14.134	138	41120	19.771	ng/ul	89
52) Acenaphthene	14.281	153	234817	20.907	ng/ul	98
53) 2,4-Dinitrophenol	14.339	184	30865	16.187	ng/ul	92
55) 4-Nitrophenol	14.445	109	40388	18.881	ng/ul	90
56) Dibenzofuran	14.622	168	363097	20.895	ng/ul	97
57) 2,4-Dinitrotoluene	14.592	165	82313	20.749	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	14.851	232	83145	19.525	ng/ul#	97
59) Diethylphthalate	15.057	149	267558	20.772	ng/ul	99
61) Fluorene	15.275	166	290147	20.879	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.275	204	167435	19.464	ng/ul	97
63) 4-Nitroaniline	15.298	138	40070	20.469	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.357	198	57225	19.533	ng/ul	97
67) N-Nitrosodiphenylamine	15.486	169	242685	21.871	ng/ul	97
68) 4-Bromophenyl-phenylether	16.169	248	99659	20.299	ng/ul	87
69) Hexachlorobenzene	16.281	284	110453	19.998	ng/ul	96
70) Atrazine	16.445	200	99690	19.898	ng/ul	99
71) Pentachlorophenol	16.622	266	68246	18.560	ng/ul	97
72) Phenanthrene	17.010	178	458313	21.124	ng/ul	99
74) Anthracene	17.098	178	472296	21.478	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.010	216	145459	19.138	ng/uL	97
76) Pentachlorobenzene	14.539	250	142985	20.383	ng/uL	92
77) Carbazole	17.375	167	377179	20.780	ng/ul	97
78) Di-n-butylphthalate	17.951	149	428951	21.912	ng/ul	100
80) Fluoranthene	19.033	202	529272	20.602	ng/ul	99
82) Pyrene	19.398	202	570363	21.089	ng/ul	98
83) Butylbenzylphthalate	20.321	149	170282	21.114	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.116	252	158487	18.884	ng/ul	93
85) Benzo(a)anthracene	21.186	228	571976	20.570	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.127	149	258035	21.374	ng/ul	100
87) Chrysene	21.245	228	549640	21.283	ng/ul	97
89) Di-n-octyl phthalate	22.210	149	401231	18.088	ng/ul	100
90) Benzo(b)fluoranthene	23.151	252	539361	19.418	ng/ul	99
91) Benzo(k)fluoranthene	23.215	252	575275	20.282	ng/ul	97
93) Benzo(a)pyrene	23.921	252	542555	20.788	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.233	276	694866	19.877	ng/ul	96
95) Dibenzo(a,h)anthracene	27.292	278	573873	20.056	ng/ul	98
96) Benzo(g,h,i)perylene	28.227	276	577034	20.062	ng/ul	98

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

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