

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062525\
 Data File : BN037384.D
 Acq On : 25 Jun 2025 14:58
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020375

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/25/2025
 Supervised By :Jagrut Upadhyay 06/25/2025

Quant Time: Jun 25 15:30:43 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	7.558	152	91693	20.000	ng/u1	0.00
20) Naphthalene-d8	10.340	136	302928	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.216	164	226894	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.963	188	492643	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.204	240	533388	20.000	ng/u1	0.00
88) Perylene-d12	24.051	264	594075	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.058	96	16115	9.388	ng/uL	0.00
4) Pyridine-d5	3.464	84	102330	22.315	ng/u1	0.00
7) Phenol-d5	6.740	99	111456	21.081	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.899	67	70727	21.468	ng/u1	0.00
11) 2-Chlorophenol-d4	7.093	132	99480	21.225	ng/u1	0.00
15) 4-Methylphenol-d8	8.269	113	90378	20.881	ng/u1	0.00
21) Nitrobenzene-d5	8.710	128	46277	20.846	ng/u1	0.00
24) 2-Nitrophenol-d4	9.428	143	53249	19.667	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.963	165	118309	20.145	ng/u1	0.00
31) 4-Chloroaniline-d4	10.481	131	117817	19.961	ng/u1	0.00
46) Dimethylphthalate-d6	13.634	166	336542	20.108	ng/u1	0.00
49) Acenaphthylene-d8	13.904	160	385281	20.925	ng/u1	0.00
54) 4-Nitrophenol-d4	14.428	143	48009	19.315	ng/u1	0.00
60) Fluorene-d10	15.216	176	311353	20.584	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.340	200	63321	18.002	ng/u1	0.00
73) Anthracene-d10	17.063	188	497267	20.426	ng/u1	0.00
81) Pyrene-d10	19.369	212	580934	20.024	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.857	264	623555	20.198	ng/u1	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.093	88	16603	8.393	ng/uL	95
5) Pyridine	3.481	79	105409	22.224	ng/u1	96
6) Benzaldehyde	6.705	77	75399	24.993	ng/u1	96
8) Phenol	6.764	94	115453	21.328	ng/u1	91
10) Bis(2-Chloroethyl)ether	6.993	93	93357	21.603	ng/u1	99
12) 2-Chlorophenol	7.122	128	99874	21.237	ng/u1	94
13) 2-Methylphenol	8.005	108	84735	20.640	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.087	45	81675	22.473	ng/u1	98
16) Acetophenone	8.381	105	147516	20.851	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.369	70	74492	22.163	ng/u1	94
18) 4-Methylphenol	8.334	108	91474	20.606	ng/u1	99
19) Hexachloroethane	8.628	117	51032	20.715	ng/u1	99
22) Nitrobenzene	8.752	77	121803	20.240	ng/u1	96
23) Isophorone	9.281	82	193612	20.900	ng/u1	98
25) 2-Nitrophenol	9.463	139	57020	20.804	ng/u1	91
26) 2,4-Dimethylphenol	9.528	107	109252	20.127	ng/u1	96
27) Bis(2-Chloroethoxy)met...	9.763	93	120554	21.668	ng/u1	98
29) 2,4-Dichlorophenol	9.993	162	118453	20.657	ng/u1	97
30) Naphthalene	10.387	128	309680	20.370	ng/u1	98
32) 4-Chloroaniline	10.505	127	117472	20.063	ng/u1	98
33) Hexachlorobutadiene	10.675	225	111954	18.228	ng/u1	96
34) Caprolactam	11.269	113	22882m	19.004	ng/u1	
35) 4-Chloro-3-methylphenol	11.640	107	91863	20.377	ng/u1	92
36) 2-Methylnaphthalene	12.010	142	230319	19.921	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.234	142	230541	20.255	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.387	216	174498	18.639	ng/ul	97
40) Hexachlorocyclopentadiene	12.369	237	127432	17.793	ng/ul	99
41) 2,4,6-Trichlorophenol	12.634	196	100023	18.943	ng/ul	95
42) 2,4,5-Trichlorophenol	12.704	196	111289	18.750	ng/ul	93
43) 1,1'-Biphenyl	13.040	154	330958	20.399	ng/ul	96
44) 2-Chloronaphthalene	13.081	162	271141	20.260	ng/ul	97
45) 2-Nitroaniline	13.293	65	58035	20.579	ng/ul	94
47) Dimethylphthalate	13.681	163	328189	20.191	ng/ul	100
48) 2,6-Dinitrotoluene	13.798	165	64638	19.899	ng/ul	98
50) Acenaphthylene	13.934	152	412625	20.929	ng/ul	99
51) 3-Nitroaniline	14.128	138	51037	20.680	ng/ul	94
52) Acenaphthene	14.281	153	274001	20.558	ng/ul	93
53) 2,4-Dinitrophenol	14.334	184	38918	17.200	ng/ul	91
55) 4-Nitrophenol	14.440	109	48036	18.925	ng/ul	85
56) Dibenzofuran	14.616	168	429968	20.851	ng/ul	99
57) 2,4-Dinitrotoluene	14.593	165	99280	21.090	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	14.851	232	96369	19.071	ng/ul#	97
59) Diethylphthalate	15.057	149	312298	20.432	ng/ul	100
61) Fluorene	15.269	166	343118	20.807	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.269	204	192288	18.837	ng/ul	98
63) 4-Nitroaniline	15.292	138	53163	22.886	ng/ul	85
66) 4,6-Dinitro-2-methylph...	15.357	198	67037	18.534	ng/ul	95
67) N-Nitrosodiphenylamine	15.487	169	293379	21.415	ng/ul	97
68) 4-Bromophenyl-phenylether	16.163	248	112392	18.542	ng/ul	96
69) Hexachlorobenzene	16.275	284	127080	18.636	ng/ul	97
70) Atrazine	16.445	200	119353	19.295	ng/ul	98
71) Pentachlorophenol	16.622	266	84049	18.514	ng/ul	97
72) Phenanthrene	17.004	178	552123	20.612	ng/ul	99
74) Anthracene	17.098	178	577960	21.288	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.004	216	170371	18.156	ng/uL	97
76) Pentachlorobenzene	14.540	250	161388	18.634	ng/uL	97
77) Carbazole	17.369	167	471989	21.062	ng/ul	98
78) Di-n-butylphthalate	17.945	149	529422	21.905	ng/ul	99
80) Fluoranthene	19.033	202	673826	20.245	ng/ul	100
82) Pyrene	19.398	202	712990	20.348	ng/ul	97
83) Butylbenzylphthalate	20.316	149	220113	21.067	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.122	252	214538	19.730	ng/ul	91
85) Benzo(a)anthracene	21.186	228	743258	20.631	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.127	149	344949	22.054	ng/ul	99
87) Chrysene	21.245	228	703451	21.024	ng/ul	99
89) Di-n-octyl phthalate	22.210	149	547157	18.651	ng/ul	100
90) Benzo(b)fluoranthene	23.157	252	728098	19.820	ng/ul	99
91) Benzo(k)fluoranthene	23.210	252	767226m	20.453	ng/ul	
93) Benzo(a)pyrene	23.916	252	718172	20.806	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.227	276	897121	19.404	ng/ul	98
95) Dibenzo(a,h)anthracene	27.286	278	736645	19.465	ng/ul#	97
96) Benzo(g,h,i)perylene	28.215	276	756787	19.894	ng/ul	98

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

