

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062025\
 Data File : BN037346.D
 Acq On : 19 Jun 2025 14:56
 Operator : RC/JU
 Sample : SSTDICV020
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SICV230

Manual Integrations
 APPROVED

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

Quant Time: Jun 19 15:22:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN062025.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 19 14:59:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.563	152	127098	20.000	ng/u1	0.00
20) Naphthalene-d8	10.340	136	413410	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.216	164	297493	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.969	188	600168	20.000	ng/u1	0.00
79) Chrysene-d12	21.204	240	574413	20.000	ng/u1	0.00
88) Perylene-d12	24.051	264	558159	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.064	96	19676	8.269	ng/uL	0.00
4) Pyridine-d5	3.469	84	127713	20.092	ng/u1	0.00
7) Phenol-d5	6.746	99	143893	19.635	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.905	67	101096	22.138	ng/u1	0.00
11) 2-Chlorophenol-d4	7.099	132	126790	19.517	ng/u1	0.00
15) 4-Methylphenol-d8	8.275	113	117630	19.607	ng/u1	0.00
21) Nitrobenzene-d5	8.716	128	60483	19.965	ng/u1	0.00
24) 2-Nitrophenol-d4	9.434	143	70644	19.119	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.969	165	157142	19.606	ng/u1	0.00
31) 4-Chloroaniline-d4	10.487	131	156674	19.451	ng/u1	0.00
46) Dimethylphthalate-d6	13.639	166	426047	19.414	ng/u1	0.00
49) Acenaphthylene-d8	13.910	160	483633	20.033	ng/u1	0.00
54) 4-Nitrophenol-d4	14.428	143	56125	17.221	ng/u1	0.00
60) Fluorene-d10	15.216	176	365355	18.422	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.345	200	72663	16.957	ng/u1	0.00
73) Anthracene-d10	17.069	188	565262m	19.059	ng/u1	0.00
81) Pyrene-d10	19.369	212	624245	19.980	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.857	264	555128	19.139	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.099	88	19420	7.083	ng/uL	93
5) Pyridine	3.487	79	127978	19.466	ng/u1	93
6) Benzaldehyde	6.710	77	105101	25.134	ng/u1	97
8) Phenol	6.769	94	151114	20.139	ng/u1#	87
10) Bis(2-Chloroethyl)ether	6.999	93	123586	20.632	ng/u1	100
12) 2-Chlorophenol	7.128	128	131426	20.162	ng/u1	100
13) 2-Methylphenol	8.010	108	116230	20.425	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.093	45	107584	21.356	ng/u1	98
16) Acetophenone	8.387	105	204928	20.897	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.375	70	98012	21.037	ng/u1	93
18) 4-Methylphenol	8.340	108	122466	19.903	ng/u1	93
19) Hexachloroethane	8.628	117	63001	18.450	ng/u1	93
22) Nitrobenzene	8.757	77	156402	19.044	ng/u1	95
23) Isophorone	9.281	82	258409	20.440	ng/u1	98
25) 2-Nitrophenol	9.469	139	77472	20.713	ng/u1#	81
26) 2,4-Dimethylphenol	9.534	107	139663	18.853	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.769	93	161610	21.285	ng/u1	97
29) 2,4-Dichlorophenol	9.998	162	153877	19.663	ng/u1	97
30) Naphthalene	10.393	128	406257	19.581	ng/u1	98
32) 4-Chloroaniline	10.510	127	164090	20.535	ng/u1	93
33) Hexachlorobutadiene	10.681	225	146124	17.433	ng/u1	95
34) Caprolactam	11.275	113	30517	18.571	ng/u1	90
35) 4-Chloro-3-methylphenol	11.640	107	122481	19.908	ng/u1	95
36) 2-Methylnaphthalene	12.016	142	273381	17.326	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.240	142	286112	18.420	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.393	216	245192	19.975	ng/ul	98
40) Hexachlorocyclopentadiene	12.369	237	167172	17.803	ng/ul	98
41) 2,4,6-Trichlorophenol	12.640	196	139272	20.116	ng/ul	99
42) 2,4,5-Trichlorophenol	12.710	196	150132	19.292	ng/ul	94
43) 1,1'-Biphenyl	13.045	154	437156	20.550	ng/ul	99
44) 2-Chloronaphthalene	13.081	162	348666	19.871	ng/ul	96
45) 2-Nitroaniline	13.292	65	73077	19.763	ng/ul	95
47) Dimethylphthalate	13.687	163	417691	19.599	ng/ul	99
48) 2,6-Dinitrotoluene	13.804	165	89108	20.922	ng/ul	90
50) Acenaphthylene	13.939	152	507848	19.646	ng/ul	99
51) 3-Nitroaniline	14.128	138	70388	21.752	ng/ul	89
52) Acenaphthene	14.287	153	342630	19.607	ng/ul	99
53) 2,4-Dinitrophenol	14.339	184	47238	15.922	ng/ul	91
55) 4-Nitrophenol	14.445	109	48987	14.719	ng/ul#	77
56) Dibenzofuran	14.622	168	527256	19.501	ng/ul	94
57) 2,4-Dinitrotoluene	14.592	165	117490	19.035	ng/ul	88
58) 2,3,4,6-Tetrachlorophenol	14.851	232	121046	18.269	ng/ul	98
59) Diethylphthalate	15.057	149	366143	18.270	ng/ul	98
61) Fluorene	15.275	166	413553	19.127	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.275	204	238167	17.795	ng/ul	95
63) 4-Nitroaniline	15.298	138	65149	21.390	ng/ul	84
66) 4,6-Dinitro-2-methylph...	15.357	198	79012	17.931	ng/ul	94
67) N-Nitrosodiphenylamine	15.486	169	346811	20.780	ng/ul	98
68) 4-Bromophenyl-phenylether	16.169	248	137806	18.661	ng/ul	91
69) Hexachlorobenzene	16.281	284	156871	18.883	ng/ul	93
70) Atrazine	16.445	200	131466	17.446	ng/ul	95
71) Pentachlorophenol	16.622	266	95938	17.347	ng/ul	96
72) Phenanthrene	17.010	178	631914	19.364	ng/ul	99
74) Anthracene	17.104	178	651728	19.705	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.010	216	224309	19.622	ng/uL	98
76) Pentachlorobenzene	14.539	250	204227	19.356	ng/uL	94
77) Carbazole	17.375	167	524566	19.214	ng/ul	97
78) Di-n-butylphthalate	17.951	149	559784	19.012	ng/ul	99
80) Fluoranthene	19.033	202	711558	19.852	ng/ul	98
82) Pyrene	19.398	202	761948	20.192	ng/ul	97
83) Butylbenzylphthalate	20.321	149	219731	19.528	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.116	252	235938	20.149	ng/ul	97
85) Benzo(a)anthracene	21.180	228	745233	19.209	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.127	149	328397	19.496	ng/ul	98
87) Chrysene	21.245	228	686800	19.060	ng/ul	97
89) Di-n-octyl phthalate	22.210	149	483389	17.538	ng/ul	100
90) Benzo(b)fluoranthene	23.157	252	676941	19.613	ng/ul	98
91) Benzo(k)fluoranthene	23.215	252	679210	19.271	ng/ul	98
93) Benzo(a)pyrene	23.915	252	642807	19.821	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	27.239	276	784305	18.055	ng/ul	97
95) Dibenzo(a,h)anthracene	27.286	278	648524	18.240	ng/ul	98
96) Benzo(g,h,i)perylene	28.221	276	631245	17.662	ng/ul	96

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

