

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071825\
 Data File : BN037521.D
 Acq On : 18 Jul 2025 13:18
 Operator : RC/JU
 Sample : SSTD01036
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD010232

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/21/2025
 Supervised By :Jagrut Upadhyay 07/21/2025

Quant Time: Jul 18 16:17:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN071825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 18 16:09:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	109306	20.000	ng/u1	0.00
20) Naphthalene-d8	10.504	136	443042	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.357	164	270847	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.092	188	503860	20.000	ng/u1	0.00
79) Chrysene-d12	21.322	240	487114	20.000	ng/u1	0.00
88) Perylene-d12	24.263	264	512017	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	9328	4.044	ng/uL	0.00
4) Pyridine-d5	3.605	84	65868	9.770	ng/u1	0.00
7) Phenol-d5	6.881	99	77902	9.603	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.052	67	48352	9.794	ng/u1	0.00
11) 2-Chlorophenol-d4	7.252	132	67497	9.838	ng/u1	0.00
15) 4-Methylphenol-d8	8.416	113	64275	9.637	ng/u1	0.00
21) Nitrobenzene-d5	8.869	128	31647	9.504	ng/u1	0.00
24) 2-Nitrophenol-d4	9.587	143	27094	8.852	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.122	165	61751	9.683	ng/u1	0.00
31) 4-Chloroaniline-d4	10.634	131	91642	9.605	ng/u1	0.00
46) Dimethylphthalate-d6	13.769	166	190307	9.900	ng/u1	0.00
49) Acenaphthylene-d8	14.045	160	222088	9.841	ng/u1	0.00
54) 4-Nitrophenol-d4	14.534	143	31224	8.618	ng/u1	-0.01
60) Fluorene-d10	15.345	176	164336	9.902	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.457	200	19662	7.498	ng/u1	0.00
73) Anthracene-d10	17.192	188	246255	9.933	ng/u1	0.00
81) Pyrene-d10	19.486	212	257363	10.058	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.057	264	245120	9.493	ng/u1	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.240	88	10055	3.924	ng/uL	96
5) Pyridine	3.628	79	67146	9.702	ng/u1	98
6) Benzaldehyde	6.858	77	49031	11.444	ng/u1	98
8) Phenol	6.911	94	80086	9.607	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.146	93	66820	9.808	ng/u1	99
12) 2-Chlorophenol	7.281	128	68895	9.852	ng/u1	98
13) 2-Methylphenol	8.158	108	60771	9.644	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.246	45	98275	9.956	ng/u1	99
16) Acetophenone	8.534	105	106426	10.076	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.522	70	48397	10.047	ng/u1	97
18) 4-Methylphenol	8.481	108	65347	9.558	ng/u1	93
19) Hexachloroethane	8.799	117	29206	9.750	ng/u1	97
22) Nitrobenzene	8.910	77	75392	9.942	ng/u1	98
23) Isophorone	9.434	82	135769	9.802	ng/u1	98
25) 2-Nitrophenol	9.616	139	32838	9.377	ng/u1	97
26) 2,4-Dimethylphenol	9.681	107	72184	9.778	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.922	93	88453	9.840	ng/u1	99
29) 2,4-Dichlorophenol	10.152	162	63395	9.881	ng/u1	93
30) Naphthalene	10.552	128	233099	9.894	ng/u1	100
32) 4-Chloroaniline	10.657	127	91825	9.582	ng/u1	100
33) Hexachlorobutadiene	10.852	225	43910	9.899	ng/u1	99
34) Caprolactam	11.404	113	17943m	8.841	ng/u1	
35) 4-Chloro-3-methylphenol	11.781	107	64208	9.694	ng/u1	96
36) 2-Methylnaphthalene	12.169	142	159824	9.934	ng/u1	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.393	142	156767	9.932	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.540	216	80480	9.958	ng/ul	94
40) Hexachlorocyclopentadiene	12.534	237	45296	8.933	ng/ul	98
41) 2,4,6-Trichlorophenol	12.781	196	45117	9.458	ng/ul	92
42) 2,4,5-Trichlorophenol	12.846	196	52353	9.663	ng/ul	94
43) 1,1'-Biphenyl	13.187	154	202580	9.942	ng/ul	100
44) 2-Chloronaphthalene	13.228	162	158678	10.038	ng/ul	97
45) 2-Nitroaniline	13.422	65	34808	9.219	ng/ul	99
47) Dimethylphthalate	13.816	163	185034	9.767	ng/ul	99
48) 2,6-Dinitrotoluene	13.922	165	32920	9.135	ng/ul	95
50) Acenaphthylene	14.075	152	259171	10.048	ng/ul	99
51) 3-Nitroaniline	14.245	138	34016	9.256	ng/ul	97
52) Acenaphthene	14.416	153	167074	9.970	ng/ul	99
53) 2,4-Dinitrophenol	14.451	184	12289	7.149	ng/ul	92
55) 4-Nitrophenol	14.545	109	23989	9.180	ng/ul	96
56) Dibenzofuran	14.751	168	232201	9.997	ng/ul	97
57) 2,4-Dinitrotoluene	14.710	165	48624	9.229	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.981	232	39816	9.385	ng/ul	96
59) Diethylphthalate	15.187	149	184104	9.669	ng/ul	98
61) Fluorene	15.404	166	190402	10.032	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.404	204	92511	9.864	ng/ul	98
63) 4-Nitroaniline	15.404	138	33517	9.435	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.469	198	23111	8.049	ng/ul#	94
67) N-Nitrosodiphenylamine	15.610	169	155153	9.902	ng/ul	97
68) 4-Bromophenyl-phenylether	16.292	248	53641	9.654	ng/ul#	81
69) Hexachlorobenzene	16.404	284	66630	10.108	ng/ul	98
70) Atrazine	16.563	200	50930	9.075	ng/ul	98
71) Pentachlorophenol	16.745	266	34333	8.686	ng/ul	97
72) Phenanthrene	17.134	178	287162	10.039	ng/ul	97
74) Anthracene	17.228	178	294097	10.128	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.151	216	81796	10.145	ng/uL	99
76) Pentachlorobenzene	14.675	250	78919	9.993	ng/uL	96
77) Carbazole	17.492	167	246553	9.524	ng/ul	100
78) Di-n-butylphthalate	18.075	149	293970	9.513	ng/ul	100
80) Fluoranthene	19.151	202	312577	10.290	ng/ul	100
82) Pyrene	19.516	202	321387	10.136	ng/ul	98
83) Butylbenzylphthalate	20.427	149	100442	9.128	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.233	252	82509	8.774	ng/ul	97
85) Benzo(a)anthracene	21.304	228	315179	9.953	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.257	149	167872	9.187	ng/ul	99
87) Chrysene	21.363	228	305328	10.158	ng/ul	97
89) Di-n-octyl phthalate	22.374	149	247955	8.069	ng/ul	100
90) Benzo(b)fluoranthene	23.333	252	287067	9.541	ng/ul	96
91) Benzo(k)fluoranthene	23.398	252	303902	9.734	ng/ul	98
93) Benzo(a)pyrene	24.121	252	275154	9.532	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.568	276	349307m	9.535	ng/ul	
95) Dibenzo(a,h)anthracene	27.627	278	289784	9.478	ng/ul	99
96) Benzo(g,h,i)perylene	28.586	276	282974m	9.546	ng/ul	

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

