

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071825\
 Data File : BN037526.D
 Acq On : 18 Jul 2025 17:14
 Operator : RC/JU
 Sample : SSTDICV020
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SICV237

Manual Integrations
 APPROVED

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

Quant Time: Jul 18 17:50:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN071825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 18 16:22:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	87789	20.000	ng/u1	0.00
20) Naphthalene-d8	10.504	136	353761	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.357	164	209556	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.098	188	381355	20.000	ng/u1	0.00
79) Chrysene-d12	21.321	240	368091	20.000	ng/u1	0.00
88) Perylene-d12	24.262	264	358745	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	13634	7.360	ng/uL	0.00
4) Pyridine-d5	3.605	84	104419	19.548	ng/u1	0.00
7) Phenol-d5	6.881	99	125504	19.404	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.052	67	86290	22.045	ng/u1	0.00
11) 2-Chlorophenol-d4	7.252	132	108680	19.722	ng/u1	0.00
15) 4-Methylphenol-d8	8.422	113	103501	19.453	ng/u1	0.00
21) Nitrobenzene-d5	8.863	128	53236	20.021	ng/u1	0.00
24) 2-Nitrophenol-d4	9.587	143	50393	20.620	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.122	165	101731	19.977	ng/u1	0.00
31) 4-Chloroaniline-d4	10.634	131	145616	19.232	ng/u1	0.00
46) Dimethylphthalate-d6	13.769	166	291350	19.589	ng/u1	0.00
49) Acenaphthylene-d8	14.045	160	349488	20.016	ng/u1	0.00
54) 4-Nitrophenol-d4	14.539	143	50362	17.770	ng/u1	0.00
60) Fluorene-d10	15.351	176	243532	18.966	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.457	200	35490	16.786	ng/u1	0.00
73) Anthracene-d10	17.192	188	359688	19.170	ng/u1	0.00
81) Pyrene-d10	19.486	212	377810	19.539	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.062	264	367984	20.340	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.240	88	15373	7.471	ng/uL	97
5) Pyridine	3.622	79	105155	19.149	ng/u1	96
6) Benzaldehyde	6.857	77	81383	27.034	ng/u1	95
8) Phenol	6.910	94	132693	19.952	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.146	93	108958	20.159	ng/u1	99
12) 2-Chlorophenol	7.281	128	116409	20.727	ng/u1	98
13) 2-Methylphenol	8.157	108	101184	20.124	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.246	45	157648	20.165	ng/u1	99
16) Acetophenone	8.534	105	175289	21.064	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.522	70	80588	20.831	ng/u1	97
18) 4-Methylphenol	8.481	108	109048	20.078	ng/u1	94
19) Hexachloroethane	8.799	117	49757	20.682	ng/u1	96
22) Nitrobenzene	8.904	77	121384	20.047	ng/u1	99
23) Isophorone	9.434	82	221263	20.006	ng/u1	98
25) 2-Nitrophenol	9.616	139	59794	21.384	ng/u1	98
26) 2,4-Dimethylphenol	9.681	107	115299	19.561	ng/u1	95
27) Bis(2-Chloroethoxy)met...	9.922	93	143299	19.964	ng/u1	99
29) 2,4-Dichlorophenol	10.146	162	103665	20.235	ng/u1	98
30) Naphthalene	10.551	128	368443	19.586	ng/u1	99
32) 4-Chloroaniline	10.657	127	151725	20.005	ng/u1	97
33) Hexachlorobutadiene	10.851	225	71210	20.105	ng/u1	99
34) Caprolactam	11.404	113	29231m	17.909	ng/u1	
35) 4-Chloro-3-methylphenol	11.781	107	106983	20.229	ng/u1	99
36) 2-Methylnaphthalene	12.169	142	230246	17.923	ng/u1	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.392	142	240072	19.049	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.545	216	130976	20.946	ng/ul	99
40) Hexachlorocyclopentadiene	12.534	237	80689	20.277	ng/ul	96
41) 2,4,6-Trichlorophenol	12.781	196	76716	20.786	ng/ul	97
42) 2,4,5-Trichlorophenol	12.845	196	84353	20.122	ng/ul	95
43) 1,1'-Biphenyl	13.187	154	331290	21.014	ng/ul	99
44) 2-Chloronaphthalene	13.228	162	249992	20.439	ng/ul	96
45) 2-Nitroaniline	13.422	65	61195	20.947	ng/ul	99
47) Dimethylphthalate	13.816	163	295214	20.140	ng/ul	99
48) 2,6-Dinitrotoluene	13.922	165	60967	21.866	ng/ul	97
50) Acenaphthylene	14.075	152	403504	20.220	ng/ul	99
51) 3-Nitroaniline	14.251	138	64057	23.209	ng/ul	97
52) Acenaphthene	14.422	153	261724	20.185	ng/ul	96
53) 2,4-Dinitrophenol	14.451	184	24164	16.598	ng/ul	94
55) 4-Nitrophenol	14.551	109	37481	18.518	ng/ul	97
56) Dibenzofuran	14.757	168	355737	19.795	ng/ul	100
57) 2,4-Dinitrotoluene	14.710	165	83539	20.493	ng/ul	95
58) 2,3,4,6-Tetrachlorophenol	14.981	232	72988m	22.236	ng/ul	
59) Diethylphthalate	15.186	149	295182	20.037	ng/ul	98
61) Fluorene	15.404	166	293194	19.967	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.404	204	143219	19.948	ng/ul	98
63) 4-Nitroaniline	15.410	138	64877	24.758	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.475	198	40515	17.797	ng/ul#	99
67) N-Nitrosodiphenylamine	15.610	169	243410	20.524	ng/ul	96
68) 4-Bromophenyl-phenylether	16.292	248	87326	20.765	ng/ul	90
69) Hexachlorobenzene	16.404	284	102627	20.570	ng/ul	96
70) Atrazine	16.563	200	80379	18.822	ng/ul	98
71) Pentachlorophenol	16.745	266	58120	18.802	ng/ul	98
72) Phenanthrene	17.133	178	425638	19.659	ng/ul	99
74) Anthracene	17.228	178	436469	19.860	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.151	216	122748	20.114	ng/uL	97
76) Pentachlorobenzene	14.675	250	118761	19.868	ng/uL	99
77) Carbazole	17.492	167	384726	19.803	ng/ul	98
78) Di-n-butylphthalate	18.075	149	474736	20.298	ng/ul	99
80) Fluoranthene	19.151	202	460796	20.075	ng/ul	97
82) Pyrene	19.516	202	477450	19.927	ng/ul	98
83) Butylbenzylphthalate	20.427	149	180208	21.672	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.233	252	153912	21.923	ng/ul	99
85) Benzo(a)anthracene	21.304	228	469617	19.626	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.257	149	292879	21.211	ng/ul	98
87) Chrysene	21.363	228	444008	19.548	ng/ul	97
89) Di-n-octyl phthalate	22.374	149	435586	19.713	ng/ul	100
90) Benzo(b)fluoranthene	23.333	252	454761	21.571	ng/ul	96
91) Benzo(k)fluoranthene	23.398	252	447509	20.458	ng/ul	98
93) Benzo(a)pyrene	24.121	252	433531	21.435	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.574	276	527170	20.538	ng/ul	98
95) Dibenzo(a,h)anthracene	27.627	278	427837	19.971	ng/ul	99
96) Benzo(g,h,i)perylene	28.592	276	422813	20.358	ng/ul	98

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

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