

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071825\
 Data File : BN037522.D
 Acq On : 18 Jul 2025 13:57
 Operator : RC/JU
 Sample : SSTD02037
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020233

Quant Time: Jul 18 16:16:00 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	83966	20.000	ng/u1	0.00
20) Naphthalene-d8	10.504	136	344876	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.357	164	217939	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.092	188	428783	20.000	ng/u1	0.00
79) Chrysene-d12	21.321	240	462335	20.000	ng/u1	0.00
88) Perylene-d12	24.268	264	474875	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	14638	8.262	ng/uL	0.00
4) Pyridine-d5	3.605	84	104849	20.246	ng/u1	0.00
7) Phenol-d5	6.881	99	125570	20.151	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.052	67	75487	19.905	ng/u1	0.00
11) 2-Chlorophenol-d4	7.252	132	107587	20.413	ng/u1	0.00
15) 4-Methylphenol-d8	8.422	113	104362	20.369	ng/u1	0.00
21) Nitrobenzene-d5	8.863	128	52914	20.413	ng/u1	0.00
24) 2-Nitrophenol-d4	9.587	143	47590	19.975	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.122	165	102329	20.613	ng/u1	0.00
31) 4-Chloroaniline-d4	10.634	131	149395	20.116	ng/u1	0.00
46) Dimethylphthalate-d6	13.769	166	316677	20.473	ng/u1	0.00
49) Acenaphthylene-d8	14.045	160	369152	20.329	ng/u1	0.00
54) 4-Nitrophenol-d4	14.539	143	58573	20.091	ng/u1	0.00
60) Fluorene-d10	15.345	176	272273	20.388	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.457	200	39950	17.902	ng/u1	0.00
73) Anthracene-d10	17.192	188	430194	20.392	ng/u1	0.00
81) Pyrene-d10	19.486	212	475646	19.584	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.062	264	489664	20.447	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.240	88	16336	8.300	ng/uL	98
5) Pyridine	3.622	79	109673	20.629	ng/u1	96
6) Benzaldehyde	6.857	77	77718	23.614	ng/u1	98
8) Phenol	6.910	94	129058	20.153	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.146	93	106353	20.321	ng/u1	97
12) 2-Chlorophenol	7.281	128	108465	20.192	ng/u1	99
13) 2-Methylphenol	8.157	108	97726	20.190	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.246	45	152219	20.075	ng/u1	98
16) Acetophenone	8.534	105	167314	20.621	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.522	70	77977	21.074	ng/u1	97
18) 4-Methylphenol	8.481	108	106423	20.263	ng/u1	98
19) Hexachloroethane	8.799	117	47037	20.441	ng/u1	98
22) Nitrobenzene	8.910	77	117492	19.904	ng/u1	98
23) Isophorone	9.434	82	221042	20.501	ng/u1	97
25) 2-Nitrophenol	9.616	139	55359	20.308	ng/u1	95
26) 2,4-Dimethylphenol	9.681	107	118454	20.614	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.922	93	142269	20.331	ng/u1	99
29) 2,4-Dichlorophenol	10.146	162	102366	20.496	ng/u1	94
30) Naphthalene	10.557	128	368314	20.083	ng/u1	98
32) 4-Chloroaniline	10.657	127	152523	20.446	ng/u1	99
33) Hexachlorobutadiene	10.851	225	66494	19.257	ng/u1	97
34) Caprolactam	11.404	113	32133m	20.339	ng/u1	
35) 4-Chloro-3-methylphenol	11.787	107	109533	21.245	ng/u1	100
36) 2-Methylnaphthalene	12.169	142	257345	20.548	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.392	142	256932	20.912	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.545	216	127669	19.632	ng/ul	98
40) Hexachlorocyclopentadiene	12.534	237	74852	18.346	ng/ul	99
41) 2,4,6-Trichlorophenol	12.781	196	78991	20.579	ng/ul	97
42) 2,4,5-Trichlorophenol	12.851	196	87216	20.005	ng/ul	90
43) 1,1'-Biphenyl	13.192	154	329234	20.081	ng/ul	97
44) 2-Chloronaphthalene	13.228	162	254302	19.992	ng/ul	96
45) 2-Nitroaniline	13.422	65	62887	20.698	ng/ul	99
47) Dimethylphthalate	13.816	163	311671	20.445	ng/ul	100
48) 2,6-Dinitrotoluene	13.928	165	60431	20.840	ng/ul	99
50) Acenaphthylene	14.075	152	422614	20.363	ng/ul	99
51) 3-Nitroaniline	14.245	138	62856	21.257	ng/ul	99
52) Acenaphthene	14.422	153	271100	20.104	ng/ul	97
53) 2,4-Dinitrophenol	14.451	184	24418	17.654	ng/ul	89
55) 4-Nitrophenol	14.551	109	42526	20.224	ng/ul	94
56) Dibenzofuran	14.757	168	382413	20.461	ng/ul	99
57) 2,4-Dinitrotoluene	14.710	165	90684	21.390	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	14.981	232	70615	20.686	ng/ul	98
59) Diethylphthalate	15.186	149	316544	20.660	ng/ul	98
61) Fluorene	15.404	166	314178	20.573	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.404	204	153472	20.336	ng/ul	97
63) 4-Nitroaniline	15.410	138	64331	22.505	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.475	198	45453	18.601	ng/ul	95
67) N-Nitrosodiphenylamine	15.616	169	266986	20.022	ng/ul	100
68) 4-Bromophenyl-phenylether	16.292	248	93666	19.809	ng/ul	91
69) Hexachlorobenzene	16.410	284	110215	19.647	ng/ul	97
70) Atrazine	16.563	200	95060	19.904	ng/ul	98
71) Pentachlorophenol	16.745	266	62796	18.669	ng/ul	97
72) Phenanthrene	17.139	178	491124	20.175	ng/ul	99
74) Anthracene	17.228	178	502744	20.345	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.151	216	130538	19.025	ng/uL	95
76) Pentachlorobenzene	14.675	250	130910	19.478	ng/uL	99
77) Carbazole	17.492	167	443482	20.131	ng/ul	100
78) Di-n-butylphthalate	18.075	149	540448	20.551	ng/ul	100
80) Fluoranthene	19.151	202	563653	19.550	ng/ul	98
82) Pyrene	19.516	202	586112	19.476	ng/ul	99
83) Butylbenzylphthalate	20.427	149	201754	19.317	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.233	252	172509	19.328	ng/ul	99
85) Benzo(a)anthracene	21.304	228	587258	19.539	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.257	149	338095	19.494	ng/ul	99
87) Chrysene	21.363	228	561376	19.677	ng/ul	99
89) Di-n-octyl phthalate	22.374	149	532204	18.674	ng/ul	100
90) Benzo(b)fluoranthene	23.339	252	575093	20.608	ng/ul	97
91) Benzo(k)fluoranthene	23.398	252	578660	19.984	ng/ul	99
93) Benzo(a)pyrene	24.127	252	557721	20.832	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.574	276	695145	20.459	ng/ul	99
95) Dibenzo(a,h)anthracene	27.627	278	583915	20.591	ng/ul	98
96) Benzo(g,h,i)perylene	28.603	276	572159	20.811	ng/ul	98

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

