

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN013025\
 Data File : BN036137.D
 Acq On : 30 Jan 2025 17:44
 Operator : RC/JU
 Sample : SSTDICV020
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SICV202

Quant Time: Jan 30 18:12:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN013025.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 30 17:36:07 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.792	152	90308	20.000	ng/u1	0.00
20) Naphthalene-d8	10.586	136	354570	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.439	164	236283	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.180	188	459589	20.000	ng/u1	0.00
79) Chrysene-d12	21.427	240	389342	20.000	ng/u1	0.00
88) Perylene-d12	24.456	264	327853	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.257	96	17690	7.982	ng/uL	0.00
4) Pyridine-d5	3.675	84	131079	20.765	ng/u1	0.00
7) Phenol-d5	6.993	99	154476	20.642	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.128	67	107757	22.438	ng/u1	0.00
11) 2-Chlorophenol-d4	7.340	132	123813	21.133	ng/u1	0.00
15) 4-Methylphenol-d8	8.522	113	123409	20.527	ng/u1	0.00
21) Nitrobenzene-d5	8.951	128	58848	20.673	ng/u1	0.00
24) 2-Nitrophenol-d4	9.669	143	65801	20.373	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.228	165	122345	20.979	ng/u1	0.00
31) 4-Chloroaniline-d4	10.728	131	164254	21.439	ng/u1	0.00
46) Dimethylphthalate-d6	13.851	166	364491	20.455	ng/u1	0.00
49) Acenaphthylene-d8	14.127	160	413935	20.863	ng/u1	0.00
54) 4-Nitrophenol-d4	14.686	143	60947	19.819	ng/u1	0.00
60) Fluorene-d10	15.433	176	301149	20.190	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.545	200	60108	19.761	ng/u1	0.00
73) Anthracene-d10	17.280	188	469018	21.008	ng/u1	0.00
81) Pyrene-d10	19.574	212	516627	22.280	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.250	264	360219	20.895	ng/u1	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.293	88	18784	7.935	ng/uL	94
5) Pyridine	3.693	79	116333	18.145	ng/u1	96
6) Benzaldehyde	6.934	77	89818	20.102	ng/u1	95
8) Phenol	7.022	94	151060	19.552	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.216	93	121247	19.970	ng/u1	99
12) 2-Chlorophenol	7.375	128	117856	19.734	ng/u1	98
13) 2-Methylphenol	8.257	108	110823	19.426	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.316	45	179912	19.413	ng/u1	98
16) Acetophenone	8.616	105	194426	19.835	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.604	70	99470	19.273	ng/u1	99
18) 4-Methylphenol	8.587	108	119024	19.122	ng/u1	99
19) Hexachloroethane	8.875	117	54539	19.768	ng/u1	90
22) Nitrobenzene	8.992	77	154588	19.704	ng/u1	98
23) Isophorone	9.522	82	265916	19.124	ng/u1	99
25) 2-Nitrophenol	9.704	139	66584	19.267	ng/u1	99
26) 2,4-Dimethylphenol	9.781	107	119835	17.020	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.998	93	155131	19.008	ng/u1	99
29) 2,4-Dichlorophenol	10.257	162	113724	19.356	ng/u1	95
30) Naphthalene	10.639	128	375563	19.688	ng/u1	99
32) 4-Chloroaniline	10.745	127	156088	21.107	ng/u1	96
33) Hexachlorobutadiene	10.933	225	84512	19.706	ng/u1	94
34) Caprolactam	11.528	113	35104	18.462	ng/u1	95
35) 4-Chloro-3-methylphenol	11.904	107	128915	19.100	ng/u1	98
36) 2-Methylnaphthalene	12.251	142	262448	19.627	ng/u1	95

01/31/2025
 Supervised By :mohammad
 Ahmed

02/04/2025

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 1-Methylnaphthalene	12.475	142	245425	18.683	ng/ul	97	01/31/2025
39) 1,2,4,5-Tetrachloroben...	12.628	216	149463	19.797	ng/ul	97	Supervised By :mohammad
40) Hexachlorocyclopentadiene	12.610	237	82943	19.682	ng/ul	95	ahmed
41) 2,4,6-Trichlorophenol	12.875	196	91310	18.757	ng/ul	94	
42) 2,4,5-Trichlorophenol	12.969	196	98668	18.729	ng/ul	96	
43) 1,1'-Biphenyl	13.269	154	353267	20.142	ng/ul	98	
44) 2-Chloronaphthalene	13.310	162	269344	19.533	ng/ul	97	02/04/2025
45) 2-Nitroaniline	13.516	65	91703	19.505	ng/ul	96	
47) Dimethylphthalate	13.892	163	342749	19.208	ng/ul	99	
48) 2,6-Dinitrotoluene	14.010	165	71633	20.354	ng/ul	98	
50) Acenaphthylene	14.157	152	419720	20.103	ng/ul	98	
51) 3-Nitroaniline	14.339	138	71324	20.226	ng/ul	97	
52) Acenaphthene	14.504	153	293864	19.552	ng/ul	97	
53) 2,4-Dinitrophenol	14.545	184	40610	18.365	ng/ul	98	
55) 4-Nitrophenol	14.698	109	58572	17.864	ng/ul	97	
56) Dibenzofuran	14.833	168	409419	19.676	ng/ul	96	
57) 2,4-Dinitrotoluene	14.798	165	100500	19.085	ng/ul	95	
58) 2,3,4,6-Tetrachlorophenol	15.069	232	85078m	19.346	ng/ul		
59) Diethylphthalate	15.263	149	347159	18.860	ng/ul	99	
61) Fluorene	15.486	166	325137	19.269	ng/ul	96	
62) 4-Chlorophenyl-phenyle...	15.480	204	170010	19.487	ng/ul	97	
63) 4-Nitroaniline	15.504	138	74873	21.702	ng/ul	88	
66) 4,6-Dinitro-2-methylph...	15.563	198	61031	18.895	ng/ul	96	
67) N-Nitrosodiphenylamine	15.698	169	282883	20.280	ng/ul	98	
68) 4-Bromophenyl-phenylether	16.374	248	96823	19.663	ng/ul	92	
69) Hexachlorobenzene	16.492	284	104102	19.380	ng/ul#	91	
70) Atrazine	16.651	200	103739	18.869	ng/ul	99	
71) Pentachlorophenol	16.839	266	63476	17.311	ng/ul	92	
72) Phenanthrene	17.221	178	497667	19.314	ng/ul	100	
74) Anthracene	17.316	178	506658	19.540	ng/ul	99	
75) 1,2,3,4-Tetrachloroben...	13.233	216	140410	19.631	ng/uL	96	
76) Pentachlorobenzene	14.757	250	131257	18.783	ng/uL	96	
77) Carbazole	17.586	167	446904	19.647	ng/ul	97	
78) Di-n-butylphthalate	18.157	149	573231	18.919	ng/ul	100	
80) Fluoranthene	19.239	202	555601	20.512	ng/ul	99	
82) Pyrene	19.604	202	582169	20.274	ng/ul	99	
83) Butylbenzylphthalate	20.509	149	243277	19.702	ng/ul	98	
84) 3,3'-Dichlorobenzidine	21.333	252	166547	24.221	ng/ul	99	
85) Benzo(a)anthracene	21.409	228	516099	19.280	ng/ul	97	
86) Bis(2-ethylhexyl)phtha...	21.339	149	334076	18.832	ng/ul	98	
87) Chrysene	21.474	228	476888	18.790	ng/ul	97	
89) Di-n-octyl phthalate	22.486	149	523118	19.417	ng/ul	100	
90) Benzo(b)fluoranthene	23.503	252	417612	19.264	ng/ul	97	
91) Benzo(k)fluoranthene	23.562	252	428479	19.850	ng/ul	99	
93) Benzo(a)pyrene	24.315	252	396702	20.937	ng/ul	100	
94) Indeno(1,2,3-cd)pyrene	27.868	276	437789m	21.236	ng/ul		
95) Dibenzo(a,h)anthracene	27.933	278	356637	21.691	ng/ul	96	
96) Benzo(g,h,i)perylene	28.938	276	324962	20.711	ng/ul	99	

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

