

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN010325\
 Data File : BN035882.D
 Acq On : 03 Jan 2025 10:10
 Operator : RC/JU
 Sample : SSTD01099
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD010239

Quant Time: Jan 03 12:19:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010325.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 03 12:03:48 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/06/2025
 Supervised By :mohammad ahmed 01/06/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.831	152	42028	20.000	ng/u1	0.00
20) Naphthalene-d8	10.625	136	147288	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.466	164	85008	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.207	188	165456	20.000	ng/u1	0.00
79) Chrysene-d12	21.448	240	184055	20.000	ng/u1	0.00
88) Perylene-d12	24.495	264	208107	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.278	96	4217	4.560	ng/uL	0.00
4) Pyridine-d5	3.690	84	27670	11.382	ng/u1	0.00
7) Phenol-d5	6.984	99	28049	9.394	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.160	67	18492	10.760	ng/u1	0.00
11) 2-Chlorophenol-d4	7.360	132	23181	9.208	ng/u1	0.00
15) 4-Methylphenol-d8	8.525	113	21090	8.323	ng/u1	0.00
21) Nitrobenzene-d5	8.984	128	9325	9.705	ng/u1	0.00
24) 2-Nitrophenol-d4	9.707	143	7558	7.195	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.242	165	19389	8.225	ng/u1	0.00
31) 4-Chloroaniline-d4	10.754	131	28486	9.649	ng/u1	0.00
46) Dimethylphthalate-d6	13.878	166	53207	8.859	ng/u1	0.00
49) Acenaphthylene-d8	14.160	160	67335	9.982	ng/u1	0.00
54) 4-Nitrophenol-d4	14.636	143	7575	7.790	ng/u1	0.00
60) Fluorene-d10	15.460	176	49759	9.502	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.560	200	4497	5.540	ng/u1	0.00
73) Anthracene-d10	17.307	188	79426	10.732	ng/u1	0.00
81) Pyrene-d10	19.595	212	87148	9.088	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.289	264	90104	8.896	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.319	88	4642	4.482	ng/uL	98
5) Pyridine	3.708	79	28849	11.740	ng/u1	98
6) Benzaldehyde	6.960	77	22374	13.434	ng/u1	84
8) Phenol	7.007	94	30866	9.938	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.249	93	23175	9.539	ng/u1	88
12) 2-Chlorophenol	7.390	128	24791	9.446	ng/u1	96
13) 2-Methylphenol	8.260	108	21551	9.092	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.354	45	33711	15.025	ng/u1	99
16) Acetophenone	8.648	105	39532	9.759	ng/u1	95
17) N-Nitroso-di-n-propyla...	8.631	70	17154	8.821	ng/u1	94
18) 4-Methylphenol	8.584	108	22945	8.824	ng/u1	89
19) Hexachloroethane	8.919	117	12057	10.515	ng/u1	98
22) Nitrobenzene	9.019	77	27317	10.978	ng/u1	92
23) Isophorone	9.548	82	44742	9.318	ng/u1	96
25) 2-Nitrophenol	9.737	139	9001	7.434	ng/u1	96
26) 2,4-Dimethylphenol	9.795	107	26131	10.332	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.037	93	26986	9.185	ng/u1	100
29) 2,4-Dichlorophenol	10.266	162	20962	8.750	ng/u1	95
30) Naphthalene	10.678	128	75621	9.991	ng/u1	99
32) 4-Chloroaniline	10.772	127	27333	9.682	ng/u1	99
33) Hexachlorobutadiene	10.978	225	18473	10.516	ng/u1	96
34) Caprolactam	11.519	113	4613	6.797	ng/u1	89
35) 4-Chloro-3-methylphenol	11.895	107	19566	7.898	ng/u1	98
36) 2-Methylnaphthalene	12.289	142	48971	8.950	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.507	142	48122	8.638	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.654	216	29759	11.557	ng/ul	98
40) Hexachlorocyclopentadiene	12.648	237	14322	11.015	ng/ul	96
41) 2,4,6-Trichlorophenol	12.895	196	14041	8.808	ng/ul	99
42) 2,4,5-Trichlorophenol	12.960	196	16021	9.002	ng/ul	99
43) 1,1'-Biphenyl	13.301	154	62644	10.590	ng/ul#	91
44) 2-Chloronaphthalene	13.342	162	50585	10.664	ng/ul	98
45) 2-Nitroaniline	13.531	65	9801	10.107	ng/ul	94
47) Dimethylphthalate	13.925	163	53746	8.907	ng/ul	98
48) 2,6-Dinitrotoluene	14.031	165	7641	7.761	ng/ul	91
50) Acenaphthylene	14.189	152	72111	10.029	ng/ul	96
51) 3-Nitroaniline	14.354	138	8470	8.207	ng/ul#	79
52) Acenaphthene	14.530	153	52632	10.210	ng/ul	88
53) 2,4-Dinitrophenol	14.554	184	3402	5.251	ng/ul#	76
55) 4-Nitrophenol	14.654	109	8798	9.180	ng/ul	95
56) Dibenzofuran	14.866	168	73494	10.056	ng/ul	99
57) 2,4-Dinitrotoluene	14.813	165	10956	7.096	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.083	232	11044	7.307	ng/ul	95
59) Diethylphthalate	15.295	149	50640	8.638	ng/ul	98
61) Fluorene	15.513	166	58318	9.878	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.513	204	29845	9.932	ng/ul	98
63) 4-Nitroaniline	15.513	138	9242	9.131	ng/ul	92
66) 4,6-Dinitro-2-methylph...	15.577	198	4858	5.499	ng/ul	98
67) N-Nitrosodiphenylamine	15.719	169	46700	10.447	ng/ul	95
68) 4-Bromophenyl-phenylether	16.407	248	16275	9.767	ng/ul	95
69) Hexachlorobenzene	16.519	284	18623	9.463	ng/ul	94
70) Atrazine	16.672	200	14970	9.519	ng/ul	98
71) Pentachlorophenol	16.854	266	8370	6.957	ng/ul	94
72) Phenanthrene	17.248	178	89975	10.438	ng/ul	99
74) Anthracene	17.342	178	89260	10.222	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.266	216	27757	12.124	ng/uL	99
76) Pentachlorobenzene	14.789	250	25978	11.222	ng/uL	96
77) Carbazole	17.601	167	79025	10.952	ng/ul	99
78) Di-n-butylphthalate	18.189	149	69910	8.470	ng/ul#	98
80) Fluoranthene	19.266	202	101355	9.039	ng/ul	99
82) Pyrene	19.624	202	113439	9.300	ng/ul	98
83) Butylbenzylphthalate	20.536	149	21871	6.675	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.354	252	25341	7.984	ng/ul	98
85) Benzo(a)anthracene	21.430	228	114384	9.350	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.383	149	33787	6.571	ng/ul	98
87) Chrysene	21.495	228	112160	9.513	ng/ul	94
89) Di-n-octyl phthalate	22.548	149	53446	5.911	ng/ul	100
90) Benzo(b)fluoranthene	23.536	252	111488	9.317	ng/ul	98
91) Benzo(k)fluoranthene	23.601	252	112704	9.227	ng/ul	97
93) Benzo(a)pyrene	24.359	252	107201	9.448	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	27.942	276	139999m	10.217	ng/ul	
95) Dibenzo(a,h)anthracene	28.018	278	111341	10.051	ng/ul	97
96) Benzo(g,h,i)perylene	29.012	276	109544	10.427	ng/ul	98

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

