

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022825\
 Data File : BN036517.D
 Acq On : 28 Feb 2025 15:43
 Operator : RC/JU
 Sample : SST01012
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SST010204

Quant Time: Mar 03 09:20:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN022825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 03 08:48:44 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 03/03/2025
 Supervised By :Jagrut Upadhyay 03/03/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	71610	20.000	ng/ul	0.00
20) Naphthalene-d8	10.516	136	328381	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.369	164	227712	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.110	188	475284	20.000	ng/ul	0.00
79) Chrysene-d12	21.345	240	492645	20.000	ng/ul	0.00
88) Perylene-d12	24.316	264	548748	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.205	96	7273	4.100	ng/uL	0.00
4) Pyridine-d5	3.617	84	51569	10.010	ng/ul	0.00
7) Phenol-d5	6.899	99	58730	9.619	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.058	67	46405	11.462	ng/ul	0.00
11) 2-Chlorophenol-d4	7.258	132	43731	9.327	ng/ul	0.00
15) 4-Methylphenol-d8	8.434	113	48295	9.777	ng/ul	0.00
21) Nitrobenzene-d5	8.881	128	22937	8.647	ng/ul	0.00
24) 2-Nitrophenol-d4	9.599	143	24300	8.198	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.140	165	43869	8.199	ng/ul	0.00
31) 4-Chloroaniline-d4	10.652	131	69027	9.512	ng/ul	0.00
46) Dimethylphthalate-d6	13.781	166	164926	9.642	ng/ul	0.00
49) Acenaphthylene-d8	14.057	160	183031	9.577	ng/ul	0.00
54) 4-Nitrophenol-d4	14.575	143	28412	9.374	ng/ul	0.00
60) Fluorene-d10	15.363	176	142088	9.896	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.481	200	26252	8.317	ng/ul	0.00
73) Anthracene-d10	17.210	188	225569	9.720	ng/ul	0.00
81) Pyrene-d10	19.504	212	260892	9.065	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.110	264	252567	8.806	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.240	88	8519	4.385	ng/uL	89
5) Pyridine	3.640	79	54326	10.288	ng/ul	96
6) Benzaldehyde	6.869	77	47693	12.869	ng/ul	98
8) Phenol	6.928	94	63888	10.026	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.152	93	53170	10.538	ng/ul	98
12) 2-Chlorophenol	7.293	128	46010	9.546	ng/ul	97
13) 2-Methylphenol	8.169	108	46098	9.853	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.246	45	105587	12.872	ng/ul	99
16) Acetophenone	8.546	105	91033	11.102	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.528	70	50726	11.496	ng/ul	94
18) 4-Methylphenol	8.499	108	53273	10.321	ng/ul	99
19) Hexachloroethane	8.799	117	21858	9.775	ng/ul	95
22) Nitrobenzene	8.922	77	73199	9.857	ng/ul	99
23) Isophorone	9.446	82	138058	10.358	ng/ul	96
25) 2-Nitrophenol	9.628	139	27824	8.726	ng/ul	94
26) 2,4-Dimethylphenol	9.699	107	60926	9.295	ng/ul	98
27) Bis(2-Chloroethoxy)met...	9.928	93	78836	10.163	ng/ul	99
29) 2,4-Dichlorophenol	10.163	162	46862	8.723	ng/ul	98
30) Naphthalene	10.563	128	171701	9.604	ng/ul	98
32) 4-Chloroaniline	10.675	127	67590	9.671	ng/ul	98
33) Hexachlorobutadiene	10.852	225	31766	8.253	ng/ul	97
34) Caprolactam	11.457	113	18096m	9.875	ng/ul	
35) 4-Chloro-3-methylphenol	11.810	107	58808	9.239	ng/ul	98
36) 2-Methylnaphthalene	12.181	142	120632	9.621	ng/ul	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.399	142	123313	10.003	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.551	216	60951	8.601	ng/ul	96
40) Hexachlorocyclopentadiene	12.534	237	33935	8.410	ng/ul	99
41) 2,4,6-Trichlorophenol	12.793	196	38980	8.507	ng/ul	98
42) 2,4,5-Trichlorophenol	12.869	196	42400	8.515	ng/ul	100
43) 1,1'-Biphenyl	13.198	154	163696	9.690	ng/ul	98
44) 2-Chloronaphthalene	13.240	162	127006	9.527	ng/ul	98
45) 2-Nitroaniline	13.446	65	46984	9.996	ng/ul	97
47) Dimethylphthalate	13.828	163	169650	9.853	ng/ul	98
48) 2,6-Dinitrotoluene	13.940	165	30238	8.920	ng/ul	93
50) Acenaphthylene	14.087	152	200007	9.855	ng/ul	99
51) 3-Nitroaniline	14.269	138	31540	9.228	ng/ul	98
52) Acenaphthene	14.434	153	146141	10.021	ng/ul	94
53) 2,4-Dinitrophenol	14.481	184	16162	7.470	ng/ul	97
55) 4-Nitrophenol	14.587	109	29695	9.278	ng/ul	92
56) Dibenzofuran	14.769	168	200479	9.913	ng/ul	98
57) 2,4-Dinitrotoluene	14.734	165	47390	9.292	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.993	232	36439	8.747	ng/ul	98
59) Diethylphthalate	15.193	149	171104	9.618	ng/ul	98
61) Fluorene	15.416	166	168374	10.270	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.416	204	77340	9.234	ng/ul	98
63) 4-Nitroaniline	15.434	138	33829	10.026	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.492	198	29252	8.630	ng/ul#	93
67) N-Nitrosodiphenylamine	15.628	169	137253	9.504	ng/ul	96
68) 4-Bromophenyl-phenylether	16.310	248	44883	9.046	ng/ul	93
69) Hexachlorobenzene	16.422	284	50353	9.219	ng/ul	97
70) Atrazine	16.581	200	51433	9.070	ng/ul	96
71) Pentachlorophenol	16.769	266	28997	7.721	ng/ul	95
72) Phenanthrene	17.151	178	263350	9.769	ng/ul	99
74) Anthracene	17.245	178	264352	9.720	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.163	216	62508	8.672	ng/uL	94
76) Pentachlorobenzene	14.693	250	63312	8.953	ng/uL	96
77) Carbazole	17.516	167	238236	10.013	ng/ul	98
78) Di-n-butylphthalate	18.086	149	293009	9.334	ng/ul	99
80) Fluoranthene	19.175	202	304533	8.983	ng/ul	99
82) Pyrene	19.533	202	334492	9.287	ng/ul	99
83) Butylbenzylphthalate	20.439	149	129802	8.468	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.257	252	83756	9.503	ng/ul	94
85) Benzo(a)anthracene	21.327	228	329916	9.755	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.263	149	188821	8.555	ng/ul	100
87) Chrysene	21.392	228	320723	9.927	ng/ul	100
89) Di-n-octyl phthalate	22.386	149	304534	7.107	ng/ul	100
90) Benzo(b)fluoranthene	23.374	252	315294	8.821	ng/ul	99
91) Benzo(k)fluoranthene	23.439	252	327662	9.166	ng/ul	99
93) Benzo(a)pyrene	24.180	252	297319	9.346	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.657	276	365614	10.179	ng/ul	97
95) Dibenzo(a,h)anthracene	27.709	278	291517	10.206	ng/ul	98
96) Benzo(g,h,i)perylene	28.692	276	285214	10.393	ng/ul	99

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

