

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN013025\
 Data File : BN036169.D
 Acq On : 31 Jan 2025 15:18
 Operator : RC/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD020361

Quant Time: Jan 31 17:27:16 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 01/31/2025
 Supervised By :mohammad ahmed 02/04/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	105376	20.000	ng/u1	0.00
20) Naphthalene-d8	10.587	136	411800	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.434	164	258062	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.181	188	456991	20.000	ng/u1	0.00
79) Chrysene-d12	21.427	240	370769	20.000	ng/u1	0.00
88) Perylene-d12	24.451	264	369846	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	22528	8.711	ng/uL	0.00
4) Pyridine-d5	3.670	84	161728	21.956	ng/u1	0.00
7) Phenol-d5	6.981	99	189644	21.718	ng/u1	-0.01
9) Bis-(2-Chloroethyl)eth...	7.122	67	122687	21.894	ng/u1	0.00
11) 2-Chlorophenol-d4	7.334	132	151526	22.164	ng/u1	0.00
15) 4-Methylphenol-d8	8.510	113	149281	21.280	ng/u1	-0.01
21) Nitrobenzene-d5	8.946	128	73811	22.326	ng/u1	0.00
24) 2-Nitrophenol-d4	9.669	143	83925	22.373	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.222	165	145641	21.503	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.722	131	194435	21.851	ng/u1	0.00
46) Dimethylphthalate-d6	13.845	166	404537	20.786	ng/u1	0.00
49) Acenaphthylene-d8	14.128	160	467153	21.558	ng/u1	0.00
54) 4-Nitrophenol-d4	14.663	143	63214	18.821	ng/u1	-0.02
60) Fluorene-d10	15.428	176	339346	20.831	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.545	200	63366	20.951	ng/u1	0.00
73) Anthracene-d10	17.281	188	489569	22.053	ng/u1	0.00
81) Pyrene-d10	19.575	212	497786	22.543	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.245	264	421444	21.671	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.293	88	24602	8.907	ng/uL	90
5) Pyridine	3.687	79	164368	21.971	ng/u1	93
6) Benzaldehyde	6.928	77	137184	26.312	ng/u1	96
8) Phenol	7.005	94	198214	21.987	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.216	93	158030	22.306	ng/u1	99
12) 2-Chlorophenol	7.363	128	155013	22.244	ng/u1	97
13) 2-Methylphenol	8.246	108	143258	21.521	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.310	45	249361	23.059	ng/u1	98
16) Acetophenone	8.610	105	251698	22.006	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.599	70	129745	21.545	ng/u1	98
18) 4-Methylphenol	8.575	108	155448	21.403	ng/u1	100
19) Hexachloroethane	8.869	117	70752	21.977	ng/u1	94
22) Nitrobenzene	8.987	77	203120	22.292	ng/u1	99
23) Isophorone	9.516	82	344379	21.325	ng/u1	99
25) 2-Nitrophenol	9.699	139	88708	22.102	ng/u1	100
26) 2,4-Dimethylphenol	9.769	107	176982	21.643	ng/u1	98
27) Bis(2-Chloroethoxy)met...	9.999	93	205220	21.651	ng/u1	99
29) 2,4-Dichlorophenol	10.246	162	146269	21.436	ng/u1	96
30) Naphthalene	10.634	128	485867	21.930	ng/u1	99
32) 4-Chloroaniline	10.746	127	185185	21.562	ng/u1	99
33) Hexachlorobutadiene	10.928	225	110859	22.257	ng/u1	99
34) Caprolactam	11.516	113	41264	18.685	ng/u1	99
35) 4-Chloro-3-methylphenol	11.893	107	160707	20.501	ng/u1	98
36) 2-Methylnaphthalene	12.251	142	327816	21.109	ng/u1	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.469	142	322196	21.118	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.622	216	187761	22.770	ng/ul	92
40) Hexachlorocyclopentadiene	12.604	237	107975	23.460	ng/ul	90
41) 2,4,6-Trichlorophenol	12.869	196	114441	21.524	ng/ul	94
42) 2,4,5-Trichlorophenol	12.951	196	122367	21.268	ng/ul	99
43) 1,1'-Biphenyl	13.263	154	424353	22.153	ng/ul	99
44) 2-Chloronaphthalene	13.304	162	339313	22.531	ng/ul	98
45) 2-Nitroaniline	13.510	65	111064	21.629	ng/ul	99
47) Dimethylphthalate	13.893	163	401890	20.621	ng/ul	98
48) 2,6-Dinitrotoluene	14.004	165	79932	20.796	ng/ul	95
50) Acenaphthylene	14.151	152	491002	21.532	ng/ul	96
51) 3-Nitroaniline	14.334	138	78878	20.481	ng/ul	98
52) Acenaphthene	14.498	153	357052	21.751	ng/ul	98
53) 2,4-Dinitrophenol	14.540	184	42144	17.450	ng/ul	92
55) 4-Nitrophenol	14.675	109	67644	18.890	ng/ul	99
56) Dibenzofuran	14.834	168	495011	21.782	ng/ul	95
57) 2,4-Dinitrotoluene	14.792	165	113440	19.724	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.063	232	94407	19.656	ng/ul	97
59) Diethylphthalate	15.257	149	400994	19.946	ng/ul	98
61) Fluorene	15.481	166	382753	20.769	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.481	204	195415	20.509	ng/ul	98
63) 4-Nitroaniline	15.498	138	78144	20.739	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.557	198	68183	21.229	ng/ul	99
67) N-Nitrosodiphenylamine	15.692	169	322861	23.277	ng/ul	97
68) 4-Bromophenyl-phenylether	16.375	248	114121	23.308	ng/ul	97
69) Hexachlorobenzene	16.486	284	123632	23.146	ng/ul	95
70) Atrazine	16.645	200	120599	22.060	ng/ul	97
71) Pentachlorophenol	16.834	266	71482	19.605	ng/ul	94
72) Phenanthrene	17.222	178	569044	22.209	ng/ul	99
74) Anthracene	17.310	178	570138	22.113	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.228	216	181259	25.486	ng/uL	99
76) Pentachlorobenzene	14.757	250	172145	24.774	ng/uL	94
77) Carbazole	17.581	167	477341	21.105	ng/ul	97
78) Di-n-butylphthalate	18.151	149	620467	20.595	ng/ul	100
80) Fluoranthene	19.239	202	595659	23.093	ng/ul	98
82) Pyrene	19.604	202	628880	22.998	ng/ul	99
83) Butylbenzylphthalate	20.510	149	242610	20.632	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.333	252	151808	23.184	ng/ul	96
85) Benzo(a)anthracene	21.410	228	549462	21.555	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.339	149	358427	21.217	ng/ul	99
87) Chrysene	21.469	228	518508	21.453	ng/ul	99
89) Di-n-octyl phthalate	22.486	149	578799	19.044	ng/ul	100
90) Benzo(b)fluoranthene	23.498	252	503507	20.589	ng/ul	99
91) Benzo(k)fluoranthene	23.557	252	509003	20.903	ng/ul	99
93) Benzo(a)pyrene	24.315	252	472397	22.102	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.874	276	587505	25.263	ng/ul	97
95) Dibenzo(a,h)anthracene	27.933	278	478311	25.788	ng/ul	97
96) Benzo(g,h,i)perylene	28.927	276	453332m	25.612	ng/ul	

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

