

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN013025\
 Data File : BN036167.D
 Acq On : 31 Jan 2025 14:00
 Operator : RC/JU
 Sample : PB166370BS
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS370

Quant Time: Jan 31 14:49:03 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	100993	20.000	ng/u1	0.00
20) Naphthalene-d8	10.587	136	366809	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.434	164	215589	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.181	188	405549	20.000	ng/u1	0.00
79) Chrysene-d12	21.427	240	353279	20.000	ng/u1	0.00
88) Perylene-d12	24.451	264	364895	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	15906	6.417	ng/uL	0.01
4) Pyridine-d5	3.687	84	237795	33.685	ng/u1	0.01
7) Phenol-d5	6.987	99	268377	32.068	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.128	67	177499	33.051	ng/u1	0.00
11) 2-Chlorophenol-d4	7.340	132	219314	33.472	ng/u1	0.00
15) 4-Methylphenol-d8	8.516	113	208581	31.024	ng/u1	0.00
21) Nitrobenzene-d5	8.952	128	101715	34.540	ng/u1	0.00
24) 2-Nitrophenol-d4	9.669	143	115960	34.705	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.222	165	202980	33.645	ng/u1	-0.01
31) 4-Chloroaniline-d4	10.722	131	241801	30.508	ng/u1	0.00
46) Dimethylphthalate-d6	13.845	166	547295	33.662	ng/u1	0.00
49) Acenaphthylene-d8	14.128	160	632878	34.960	ng/u1	0.00
54) 4-Nitrophenol-d4	14.669	143	93491	33.320	ng/u1	-0.02
60) Fluorene-d10	15.428	176	453158	33.298	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.545	200	91947	34.256	ng/u1	0.00
73) Anthracene-d10	17.281	188	681449	34.591	ng/u1	0.00
81) Pyrene-d10	19.575	212	735803	34.972	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.251	264	683317	35.613	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.305	88	33457	12.638	ng/uL	98
5) Pyridine	3.705	79	238557	33.272	ng/u1	98
6) Benzaldehyde	6.934	77	56506	11.308	ng/u1	96
8) Phenol	7.010	94	271619	31.437	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.216	93	222477	32.766	ng/u1	99
12) 2-Chlorophenol	7.369	128	222797	33.359	ng/u1	98
13) 2-Methylphenol	8.252	108	198797	31.160	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.316	45	341918	32.991	ng/u1	98
16) Acetophenone	8.616	105	324504	29.603	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.605	70	171519	29.718	ng/u1	98
18) 4-Methylphenol	8.581	108	210082	30.180	ng/u1	98
19) Hexachloroethane	8.875	117	105523	34.200	ng/u1	95
22) Nitrobenzene	8.987	77	278005	34.253	ng/u1	96
23) Isophorone	9.522	82	461836	32.106	ng/u1	99
25) 2-Nitrophenol	9.704	139	119722	33.487	ng/u1	99
26) 2,4-Dimethylphenol	9.775	107	233056	31.996	ng/u1	99
27) Bis(2-Chloroethoxy)met...	9.999	93	277434	32.859	ng/u1	98
29) 2,4-Dichlorophenol	10.251	162	199853	32.881	ng/u1	98
30) Naphthalene	10.634	128	664448	33.669	ng/u1	99
32) 4-Chloroaniline	10.746	127	137929	18.029	ng/u1	100
33) Hexachlorobutadiene	10.928	225	153571	34.615	ng/u1	98
34) Caprolactam	11.528	113	54042	27.473	ng/u1	93
35) 4-Chloro-3-methylphenol	11.893	107	212171	30.386	ng/u1	97
36) 2-Methylnaphthalene	12.251	142	444878	32.160	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.469	142	438971	32.302	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.622	216	253145	36.748	ng/ul	98
40) Hexachlorocyclopentadiene	12.604	237	142113	36.960	ng/ul	90
41) 2,4,6-Trichlorophenol	12.869	196	153183	34.487	ng/ul	95
42) 2,4,5-Trichlorophenol	12.951	196	167415	34.829	ng/ul	95
43) 1,1'-Biphenyl	13.263	154	566477	35.399	ng/ul	99
44) 2-Chloronaphthalene	13.304	162	442919	35.204	ng/ul	98
45) 2-Nitroaniline	13.510	65	147431	34.368	ng/ul	98
47) Dimethylphthalate	13.892	163	530430	32.578	ng/ul	99
48) 2,6-Dinitrotoluene	14.010	165	108534	33.800	ng/ul	98
50) Acenaphthylene	14.157	152	651458	34.197	ng/ul	99
51) 3-Nitroaniline	14.339	138	96203	29.900	ng/ul	98
52) Acenaphthene	14.498	153	467898	34.119	ng/ul	95
53) 2,4-Dinitrophenol	14.539	184	66884	33.150	ng/ul	87
55) 4-Nitrophenol	14.681	109	95338	31.868	ng/ul	92
56) Dibenzofuran	14.834	168	644146	33.929	ng/ul	99
57) 2,4-Dinitrotoluene	14.792	165	156550	32.582	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.063	232	129953	32.387	ng/ul	98
59) Diethylphthalate	15.263	149	547380	32.591	ng/ul	98
61) Fluorene	15.486	166	517583	33.619	ng/ul	96
62) 4-Chlorophenyl-phenyle...	15.481	204	261707	32.877	ng/ul	98
63) 4-Nitroaniline	15.498	138	109552	34.802	ng/ul	95
66) 4,6-Dinitro-2-methylph...	15.557	198	98890	34.695	ng/ul	98
67) N-Nitrosodiphenylamine	15.692	169	429434	34.888	ng/ul	98
68) 4-Bromophenyl-phenylether	16.375	248	151191	34.796	ng/ul	92
69) Hexachlorobenzene	16.486	284	166432	35.111	ng/ul	99
70) Atrazine	16.645	200	156324	32.222	ng/ul	97
71) Pentachlorophenol	16.833	266	108055	33.395	ng/ul	99
72) Phenanthrene	17.222	178	774856	34.078	ng/ul	99
74) Anthracene	17.310	178	777146	33.965	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.234	216	237678	37.658	ng/uL	99
76) Pentachlorobenzene	14.757	250	220576	35.771	ng/uL	94
77) Carbazole	17.586	167	675950	33.677	ng/ul	99
78) Di-n-butylphthalate	18.151	149	909815	34.030	ng/ul	100
80) Fluoranthene	19.239	202	858960	34.949	ng/ul	99
82) Pyrene	19.604	202	904922	34.731	ng/ul	99
83) Butylbenzylphthalate	20.510	149	379847	33.903	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.333	252	245706	39.382	ng/ul	94
85) Benzo(a)anthracene	21.410	228	832798	34.287	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.339	149	558416	34.691	ng/ul	100
87) Chrysene	21.474	228	787104	34.179	ng/ul	99
89) Di-n-octyl phthalate	22.486	149	914148	30.486	ng/ul	100
90) Benzo(b)fluoranthene	23.498	252	782894	32.448	ng/ul	99
91) Benzo(k)fluoranthene	23.563	252	808318	33.646	ng/ul	97
93) Benzo(a)pyrene	24.315	252	757961	35.943	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.874	276	982995	42.842	ng/ul	97
95) Dibenzo(a,h)anthracene	27.939	278	787438	43.030	ng/ul	98
96) Benzo(g,h,i)perylene	28.933	276	788995m	45.181	ng/ul	

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

