Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062025\
Data File : BN037343.D
Acq On : 19 Jun 2025 12:58
Operator : RC/JU
Sample : SSTD04032
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 14:51:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN062025.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 19 14:36:04 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
SSTD040227

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/23/2025
Supervised By :Jagrut Upadhyay 06/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.564	152	105636	20.000	ng/ul	0.00
20) Naphthalene-d8	10.346	136	347328	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.222	164	261837	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.969	188	563305	20.000	ng/ul	0.00
79) Chrysene-d12	21.204	240	562711	20.000	ng/ul	0.00
88) Perylene-d12	24.051	264	561702	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.064	96	32723	13.076	ng/uL	0.00
4) Pyridine-d5	3.470	84	212298	28.230	ng/ul	0.00
7) Phenol-d5	6.746	99	249949	28.751	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.911	67	161442	26.130	ng/ul	0.00
11) 2-Chlorophenol-d4	7.099	132	228512	35.204	ng/ul	0.00
15) 4-Methylphenol-d8	8.281	113	208963	29.626	ng/ul	0.00
21) Nitrobenzene-d5	8.716	128	108711	41.003	ng/ul	0.00
24) 2-Nitrophenol-d4	9.434	143	134597	46.364	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.969	165	281314	50.988	ng/ul	0.00
31) 4-Chloroaniline-d4	10.487	131	277064	36.556	ng/ul	0.00
46) Dimethylphthalate-d6	13.640	166	824759	43.821	ng/ul	0.00
49) Acenaphthylene-d8	13.910	160	914154	42.841	ng/ul	0.00
54) 4-Nitrophenol-d4	14.434	143	119359	33.607	ng/ul	0.00
60) Fluorene-d10	15.216	176	720399	44.503	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.345	200	161444	43.821	ng/ul	0.00
73) Anthracene-d10	17.069	188	1170236m	42.681	ng/ul	0.00
81) Pyrene-d10	19.369	212	1311099	43.187	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.857	264	1253467	44.222	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.099	88	34935	12.552	ng/uL	97
5) Pyridine	3.487	79	219843	28.028	ng/ul	96
6) Benzaldehyde	6.711	77	165222	37.529	ng/ul	98
8) Phenol	6.769	94	254944	27.750	ng/ul	93
10) Bis(2-Chloroethyl)ether	6.999	93	211259	29.164	ng/ul	96
12) 2-Chlorophenol	7.128	128	223784	32.690	ng/ul	97
13) 2-Methylphenol	8.011	108	197599	29.811	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.093	45	182086	13.555	ng/ul	98
16) Acetophenone	8.387	105	334504	28.897	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.381	70	165848	25.580	ng/ul	97
18) 4-Methylphenol	8.346	108	210506	28.486	ng/ul	98
19) Hexachloroethane	8.634	117	113832	34.308	ng/ul	94
22) Nitrobenzene	8.763	77	279672	34.580	ng/ul	92
23) Isophorone	9.287	82	461400	34.375	ng/ul	98
25) 2-Nitrophenol	9.469	139	135470	43.223	ng/ul	94
26) 2,4-Dimethylphenol	9.534	107	254110	38.187	ng/ul	96
27) Bis(2-Chloroethoxy)met...	9.775	93	280838	35.501	ng/ul	100
29) 2,4-Dichlorophenol	9.999	162	271047	48.862	ng/ul	98
30) Naphthalene	10.393	128	722148	39.392	ng/ul	97
32) 4-Chloroaniline	10.510	127	278132	38.077	ng/ul	97
33) Hexachlorobutadiene	10.681	225	265340	63.647	ng/ul	94
34) Caprolactam	11.287	113	57507m	33.597	ng/ul	
35) 4-Chloro-3-methylphenol	11.646	107	222472	35.857	ng/ul	94
36) 2-Methylnaphthalene	12.016	142	549284	42.630	ng/ul	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.240	142	542751	42.290	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.393	216	433790	54.019	ng/ul	94
40) Hexachlorocyclopentadiene	12.375	237	323690	64.298	ng/ul	95
41) 2,4,6-Trichlorophenol	12.640	196	253389	50.616	ng/ul	98
42) 2,4,5-Trichlorophenol	12.710	196	279114	50.730	ng/ul	97
43) 1,1'-Biphenyl	13.046	154	794798	42.154	ng/ul	99
44) 2-Chloronaphthalene	13.087	162	644603	43.328	ng/ul	96
45) 2-Nitroaniline	13.299	65	149513	26.579	ng/ul	94
47) Dimethylphthalate	13.687	163	797579	42.499	ng/ul	99
48) 2,6-Dinitrotoluene	13.804	165	164579	44.957	ng/ul	98
50) Acenaphthylene	13.940	152	972435	43.492	ng/ul	100
51) 3-Nitroaniline	14.134	138	124062	34.257	ng/ul	98
52) Acenaphthene	14.287	153	649841	39.685	ng/ul	97
53) 2,4-Dinitrophenol	14.340	184	105569	42.692	ng/ul	96
55) 4-Nitrophenol	14.451	109	115314m	29.692	ng/ul	
56) Dibenzofuran	14.622	168	981989	42.846	ng/ul	98
57) 2,4-Dinitrotoluene	14.598	165	238748	43.187	ng/ul#	88
58) 2,3,4,6-Tetrachlorophenol	14.851	232	236898	51.108	ng/ul#	97
59) Diethylphthalate	15.063	149	751569	38.427	ng/ul	97
61) Fluorene	15.275	166	790624	42.019	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.275	204	474488	50.539	ng/ul	96
63) 4-Nitroaniline	15.304	138	121289	35.839	ng/ul	88
66) 4,6-Dinitro-2-methylph...	15.363	198	165719	41.938	ng/ul	95
67) N-Nitrosodiphenylamine	15.487	169	673707	40.573	ng/ul	96
68) 4-Bromophenyl-phenylether	16.169	248	287335	51.251	ng/ul	96
69) Hexachlorobenzene	16.281	284	315589	50.986	ng/ul	95
70) Atrazine	16.451	200	280136	43.567	ng/ul	97
71) Pentachlorophenol	16.622	266	209693	48.454	ng/ul	97
72) Phenanthrene	17.010	178	1271917	40.596	ng/ul	99
74) Anthracene	17.104	178	1291791	40.406	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.010	216	444657	52.657	ng/uL	96
76) Pentachlorobenzene	14.546	250	407403	53.214	ng/uL	98
77) Carbazole	17.375	167	1059289	37.292	ng/ul	98
78) Di-n-butylphthalate	17.951	149	1209714	34.199	ng/ul	99
80) Fluoranthene	19.034	202	1550414	43.137	ng/ul	99
82) Pyrene	19.398	202	1584680	41.052	ng/ul	97
83) Butylbenzylphthalate	20.322	149	506775	32.750	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.122	252	468257	45.048	ng/ul	96
85) Benzo(a)anthracene	21.186	228	1524907	40.621	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.128	149	753505	32.433	ng/ul	99
87) Chrysene	21.245	228	1435903	40.447	ng/ul	96
89) Di-n-octyl phthalate	22.210	149	1189322	27.443	ng/ul	100
90) Benzo(b)fluoranthene	23.157	252	1495248	42.808	ng/ul	96
91) Benzo(k)fluoranthene	23.216	252	1497536	42.618	ng/ul	96
93) Benzo(a)pyrene	23.922	252	1392182	43.661	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.239	276	1789255	49.602	ng/ul	99
95) Dibenzo(a,h)anthracene	27.298	278	1463488	50.051	ng/ul	99
96) Benzo(g,h,i)perylene	28.239	276	1458894	51.986	ng/ul	97

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

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