Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112425\
Data File : BG064849.D
Acq On : 24 Nov 2025 14:45
Operator : RC/JU
Sample : SSTD01020
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 25 10:08:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 09:55:47 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD010420

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.158	152	31363	20.000	ng/ul	0.00
20) Naphthalene-d8	10.972	136	129609	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.767	164	109589	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.494	188	278419	20.000	ng/ul	0.00
79) Chrysene-d12	21.742	240	366513	20.000	ng/ul	0.00
88) Perylene-d12	24.997	264	405465	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.487	96	3300	5.170	ng/uL	0.00
4) Pyridine-d5	3.910	84	19667	10.619	ng/ul	0.00
7) Phenol-d5	7.300	99	22252	8.648	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.470	67	15206	10.816	ng/ul	0.00
11) 2-Chlorophenol-d4	7.682	132	18914	9.341	ng/ul	0.00
15) 4-Methylphenol-d8	8.851	113	19353	8.354	ng/ul	0.00
21) Nitrobenzene-d5	9.321	128	9130	8.945	ng/ul	0.00
24) 2-Nitrophenol-d4	10.044	143	9911	7.993	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.590	165	21368	9.147	ng/ul	0.00
31) 4-Chloroaniline-d4	11.095	131	28055	8.945	ng/ul	0.00
46) Dimethylphthalate-d6	14.162	166	84441	8.803	ng/ul	0.00
49) Acenaphthylene-d8	14.462	160	89989	9.538	ng/ul	0.00
54) 4-Nitrophenol-d4	14.938	143	10166m	6.911	ng/ul	0.00
60) Fluorene-d10	15.749	176	75617	9.560	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.854	200	12752	6.658	ng/ul	0.00
73) Anthracene-d10	17.594	188	143260	10.302	ng/ul	0.00
81) Pyrene-d10	19.862	212	186820	9.170	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.762	264	208969	9.944	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.522	88	3704	5.113	ng/uL	95
5) Pyridine	3.933	79	22431	11.573	ng/ul	98
6) Benzaldehyde	7.282	77	16033	13.137	ng/ul	92
8) Phenol	7.323	94	23128	8.752	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.564	93	18471	9.921	ng/ul	94
12) 2-Chlorophenol	7.717	128	19181	9.101	ng/ul	91
13) 2-Methylphenol	8.586	108	18908	8.710	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.686	45	39427	11.133	ng/ul	98
16) Acetophenone	8.980	105	33607	9.076	ng/ul	88
17) N-Nitroso-di-n-propyla...	8.951	70	16374	9.339	ng/ul	89
18) 4-Methylphenol	8.916	108	20170	8.531	ng/ul	86
19) Hexachloroethane	9.250	117	9149	9.790	ng/ul#	77
22) Nitrobenzene	9.356	77	24527	9.671	ng/ul	95
23) Isophorone	9.879	82	46352	9.478	ng/ul	99
25) 2-Nitrophenol	10.079	139	11188	9.462	ng/ul#	82
26) 2,4-Dimethylphenol	10.126	107	24630	9.186	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.361	93	25572	10.078	ng/ul	99
29) 2,4-Dichlorophenol	10.614	162	20683	9.615	ng/ul	97
30) Naphthalene	11.025	128	72345	10.028	ng/ul	100
32) 4-Chloroaniline	11.125	127	28557	9.197	ng/ul	99
33) Hexachlorobutadiene	11.313	225	23284	11.677	ng/ul	92
34) Caprolactam	11.865	113	7219m	8.615	ng/ul	
35) 4-Chloro-3-methylphenol	12.229	107	22429	8.670	ng/ul	95
36) 2-Methylnaphthalene	12.617	142	54410	9.979	ng/ul	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.834	142	54225	10.024	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.981	216	41534	11.460	ng/ul	95
40) Hexachlorocyclopentadiene	12.964	237	24547	9.710	ng/ul	99
41) 2,4,6-Trichlorophenol	13.210	196	21147	9.336	ng/ul	95
42) 2,4,5-Trichlorophenol	13.281	196	21499	8.922	ng/ul	96
43) 1,1'-Biphenyl	13.610	154	75242	9.310	ng/ul	99
44) 2-Chloronaphthalene	13.651	162	59233	9.943	ng/ul	96
45) 2-Nitroaniline	13.845	65	17021	8.215	ng/ul	94
47) Dimethylphthalate	14.209	163	86095	9.472	ng/ul	98
48) 2,6-Dinitrotoluene	14.327	165	14838	8.659	ng/ul	97
50) Acenaphthylene	14.491	152	104471	10.160	ng/ul	98
51) 3-Nitroaniline	14.656	138	13295	9.043	ng/ul	84
52) Acenaphthene	14.832	153	69482	10.040	ng/ul	97
53) 2,4-Dinitrophenol	14.867	184	4983	4.564	ng/ul#	88
55) 4-Nitrophenol	14.950	109	9314	5.026	ng/ul#	84
56) Dibenzofuran	15.161	168	104591	10.112	ng/ul	97
57) 2,4-Dinitrotoluene	15.108	165	22960	8.367	ng/ul#	98
58) 2,3,4,6-Tetrachlorophenol	15.384	232	25488	9.842	ng/ul	95
59) Diethylphthalate	15.561	149	86404	8.901	ng/ul	99
61) Fluorene	15.807	166	82580	9.606	ng/ul	93
62) 4-Chlorophenyl-phenyle...	15.796	204	50607	10.824	ng/ul	97
63) 4-Nitroaniline	15.807	138	15757m	10.480	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.866	198	12848	6.656	ng/ul#	97
67) N-Nitrosodiphenylamine	16.001	169	74183	9.754	ng/ul	99
68) 4-Bromophenyl-phenylether	16.683	248	35694	10.680	ng/ul	96
69) Hexachlorobenzene	16.806	284	45189	11.798	ng/ul	96
70) Atrazine	16.936	200	35446	9.547	ng/ul	97
71) Pentachlorophenol	17.147	266	18999	7.996	ng/ul	86
72) Phenanthrene	17.535	178	157106	10.275	ng/ul	98
74) Anthracene	17.629	178	155780	10.025	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.581	216	38907	10.123	ng/ul	98
76) Pentachlorobenzene	15.085	250	46558	10.923	ng/ul	94
77) Carbazole	17.887	167	128285	9.649	ng/ul	98
78) Di-n-butylphthalate	18.440	149	149690	9.175	ng/ul	99
80) Fluoranthene	19.532	202	210606	9.125	ng/ul	98
82) Pyrene	19.891	202	221265	9.281	ng/ul	97
83) Butylbenzylphthalate	20.760	149	72323	8.021	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.630	252	79989	10.272	ng/ul	97
85) Benzo(a)anthracene	21.724	228	247616	10.049	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.624	149	105066	8.064	ng/ul	97
87) Chrysene	21.789	228	238689	10.187	ng/ul	98
89) Di-n-octyl phthalate	22.840	149	183042	8.251	ng/ul	100
90) Benzo(b)fluoranthene	23.957	252	246526	10.007	ng/ul	97
91) Benzo(k)fluoranthene	24.021	252	251375	10.223	ng/ul	97
93) Benzo(a)pyrene	24.838	252	235592	10.294	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.704	276	298381	10.096	ng/ul	97
95) Dibenzo(a,h)anthracene	28.769	278	244870m	10.342	ng/ul	
96) Benzo(g,h,i)perylene	29.867	276	248794	10.392	ng/ul	97

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

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