Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112525\
Data File : BG064900.D
Acq On : 26 Nov 2025 22:31
Operator : RC/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Dec 01 11:52:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112425.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 25 10:23:09 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD020458

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	8.161	152	22397	20.000	ng/ul	0.00
20) Naphthalene-d8	10.975	136	88986	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.771	164	80705	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.497	188	212606	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.745	240	287228	20.000	ng/ul	# 0.00
88) Perylene-d12	25.000	264	363444	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.478	96	3447	6.100	ng/uL	0.00
4) Pyridine-d5	3.907	84	21971	14.112	ng/ul	0.00
7) Phenol-d5	7.297	99	32073	17.764	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.467	67	17575	15.220	ng/ul	0.00
11) 2-Chlorophenol-d4	7.685	132	27773	20.291	ng/ul	0.00
15) 4-Methylphenol-d8	8.854	113	28809	18.513	ng/ul	0.00
21) Nitrobenzene-d5	9.312	128	14689	21.886	ng/ul	0.00
24) 2-Nitrophenol-d4	10.047	143	17574	22.045	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.587	165	36728	22.346	ng/ul	0.00
31) 4-Chloroaniline-d4	11.098	131	39284	18.699	ng/ul	0.00
46) Dimethylphthalate-d6	14.165	166	129156	20.345	ng/ul	0.00
49) Acenaphthylene-d8	14.465	160	141136	20.759	ng/ul	0.00
54) 4-Nitrophenol-d4	14.941	143	18240m	18.952	ng/ul	0.00
60) Fluorene-d10	15.752	176	118193	20.739	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.852	200	27363	20.102	ng/ul	0.00
73) Anthracene-d10	17.597	188	220090	20.487	ng/ul	0.00
81) Pyrene-d10	19.865	212	294898	19.988	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.776	264	388464	20.259	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.513	88	3569	5.460	ng/uL	90
5) Pyridine	3.930	79	25428	14.916	ng/ul#	90
6) Benzaldehyde	7.279	77	20798	23.453	ng/ul	95
8) Phenol	7.326	94	33882	17.977	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.561	93	23463	16.833	ng/ul	93
12) 2-Chlorophenol	7.720	128	28175	19.436	ng/ul	93
13) 2-Methylphenol	8.590	108	26877	18.014	ng/ul	91
14) 2,2'-oxybis(1-Chloropr...	8.684	45	49871	17.042	ng/ul	97
16) Acetophenone	8.977	105	46313	18.094	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.954	70	21113	17.195	ng/ul	94
18) 4-Methylphenol	8.919	108	30794	18.812	ng/ul	89
19) Hexachloroethane	9.253	117	12822	19.819	ng/ul	94
22) Nitrobenzene	9.359	77	33649	19.519	ng/ul	97
23) Isophorone	9.882	82	62760	18.584	ng/ul#	95
25) 2-Nitrophenol	10.076	139	17381	20.739	ng/ul#	86
26) 2,4-Dimethylphenol	10.129	107	38748	21.464	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.364	93	33811	17.852	ng/ul	91
29) 2,4-Dichlorophenol	10.611	162	34394	22.437	ng/ul	97
30) Naphthalene	11.022	128	103931	20.323	ng/ul	98
32) 4-Chloroaniline	11.122	127	41465	19.392	ng/ul	94
33) Hexachlorobutadiene	11.310	225	40548	25.218	ng/ul	99
34) Caprolactam	11.862	113	9663m	18.040	ng/ul	
35) 4-Chloro-3-methylphenol	12.226	107	36445	21.832	ng/ul	92
36) 2-Methylnaphthalene	12.614	142	80906	21.112	ng/ul	95

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Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.832	142	80136	21.364	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.979	216	70033	22.586	ng/ul	99
40) Hexachlorocyclopentadiene	12.961	237	44849	20.878	ng/ul	92
41) 2,4,6-Trichlorophenol	13.208	196	39665	23.141	ng/ul	96
42) 2,4,5-Trichlorophenol	13.284	196	40887	22.639	ng/ul	94
43) 1,1'-Biphenyl	13.607	154	117129	20.615	ng/ul#	96
44) 2-Chloronaphthalene	13.654	162	90140	20.209	ng/ul	97
45) 2-Nitroaniline	13.842	65	26098	19.682	ng/ul	96
47) Dimethylphthalate	14.212	163	131630	20.318	ng/ul	100
48) 2,6-Dinitrotoluene	14.330	165	25405	21.371	ng/ul	90
50) Acenaphthylene	14.494	152	156368	20.103	ng/ul	99
51) 3-Nitroaniline	14.659	138	23088	22.393	ng/ul	95
52) Acenaphthene	14.829	153	105827	20.749	ng/ul	95
53) 2,4-Dinitrophenol	14.865	184	11634	16.642	ng/ul	97
55) 4-Nitrophenol	14.953	109	20462	22.999	ng/ul	85
56) Dibenzofuran	15.164	168	162446	20.867	ng/ul	99
57) 2,4-Dinitrotoluene	15.111	165	41148	22.752	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.382	232	48762	23.843	ng/ul#	96
59) Diethylphthalate	15.564	149	129187	20.304	ng/ul	99
61) Fluorene	15.810	166	126089	20.648	ng/ul	94
62) 4-Chlorophenyl-phenyle...	15.793	204	84614	22.722	ng/ul	99
63) 4-Nitroaniline	15.805	138	23546	22.180	ng/ul	87
66) 4,6-Dinitro-2-methylph...	15.869	198	25779	19.487	ng/ul#	99
67) N-Nitrosodiphenylamine	16.004	169	114797	20.091	ng/ul	98
68) 4-Bromophenyl-phenylether	16.686	248	64318	22.692	ng/ul	98
69) Hexachlorobenzene	16.809	284	77856	22.642	ng/ul	95
70) Atrazine	16.939	200	58720	21.480	ng/ul	97
71) Pentachlorophenol	17.150	266	35928	18.816	ng/ul	98
72) Phenanthrene	17.538	178	237755	19.999	ng/ul	99
74) Anthracene	17.632	178	245794	20.612	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.578	216	70800	22.150	ng/ul	99
76) Pentachlorobenzene	15.088	250	83005	22.858	ng/ul	97
77) Carbazole	17.890	167	195207	20.074	ng/ul	98
78) Di-n-butylphthalate	18.443	149	224062	19.920	ng/ul#	98
80) Fluoranthene	19.536	202	324965	19.664	ng/ul#	93
82) Pyrene	19.894	202	342895	19.878	ng/ul#	93
83) Butylbenzylphthalate	20.763	149	102392	17.974	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.633	252	141198	23.084	ng/ul	100
85) Benzo(a)anthracene	21.727	228	404960	21.030	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.621	149	152658	18.120	ng/ul	99
87) Chrysene	21.792	228	374369	20.086	ng/ul	100
89) Di-n-octyl phthalate	22.843	149	277161	16.735	ng/ul	100
90) Benzo(b)fluoranthene	23.966	252	435957	19.482	ng/ul#	97
91) Benzo(k)fluoranthene	24.030	252	453641	19.812	ng/ul#	96
93) Benzo(a)pyrene	24.847	252	431522	20.276	ng/ul#	99
94) Indeno(1,2,3-cd)pyrene	28.719	276	545527	19.952	ng/ul#	97
95) Dibenzo(a,h)anthracene	28.784	278	439475	19.924	ng/ul#	98
96) Benzo(g,h,i)perylene	29.876	276	405652	18.380	ng/ul#	94

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

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