Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
Data File : BG064311.D
Acq On : 8 Sep 2025 17:41
Operator : RC/JU
Sample : Q3032-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 08 18:28:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 28 17:41:58 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SOIL-PILE-1MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/09/2025
Supervised By :Jagrut Upadhyay 09/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.853	152	27418	20.000	ng		0.00
21) Naphthalene-d8	10.638	136	118432	20.000	ng		-0.01
39) Acenaphthene-d10	14.474	164	85135	20.000	ng		0.00
64) Phenanthrene-d10	17.218	188	210434	20.000	ng		# 0.00
76) Chrysene-d12	21.454	240	229459	20.000	ng		# 0.00
86) Perylene-d12	24.457	264	254609	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.438	112	177792	116.338	ng		0.00
7) Phenol-d6	7.024	99	231110	110.077	ng		0.00
23) Nitrobenzene-d5	9.004	82	161267	75.942	ng		-0.01
42) 2,4,6-Tribromophenol	15.967	330	160143	142.015	ng		0.00
45) 2-Fluorobiphenyl	13.099	172	396154	71.025	ng		-0.01
79) Terphenyl-d14	19.839	244	799674	72.710	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.346	88	21882	34.352	ng		92
3) Pyridine	3.740	79	59375	31.666	ng	#	57
4) n-Nitrosodimethylamine	3.658	42	52806	42.578	ng		99
6) Aniline	7.177	93	64707	22.287	ng		93
8) 2-Chlorophenol	7.418	128	83148	44.524	ng		98
9) Benzaldehyde	6.989	77	54154	31.342	ng		97
10) Phenol	7.054	94	98518	42.561	ng		91
11) bis(2-Chloroethyl)ether	7.271	93	65083	37.416	ng		96
12) 1,3-Dichlorobenzene	7.741	146	90507	45.556	ng		97
13) 1,4-Dichlorobenzene	7.888	146	92516	46.141	ng		93
14) 1,2-Dichlorobenzene	8.199	146	89126	46.057	ng		98
15) Benzyl Alcohol	8.082	79	82453	42.556	ng		90
16) 2,2'-oxybis(1-Chloropr...	8.376	45	123981	31.219	ng		98
17) 2-Methylphenol	8.293	107	70147	40.661	ng		98
18) Hexachloroethane	8.928	117	34785	44.444	ng	#	76
19) n-Nitroso-di-n-propyla...	8.652	70	60674	37.760	ng		98
20) 3+4-Methylphenols	8.616	107	94706	39.508	ng		96
22) Acetophenone	8.663	105	139687	46.621	ng	#	96
24) Nitrobenzene	9.045	77	96833	43.644	ng		96
25) Isophorone	9.568	82	168455	38.169	ng		97
26) 2-Nitrophenol	9.750	139	45766	47.738	ng	#	83
27) 2,4-Dimethylphenol	9.815	122	81174	48.227	ng		94
28) bis(2-Chloroethoxy)met...	10.050	93	91541	38.466	ng		96
29) 2,4-Dichlorophenol	10.291	162	85438	48.108	ng		97
30) 1,2,4-Trichlorobenzene	10.502	180	94136	50.271	ng		92
31) Naphthalene	10.690	128	265799	43.280	ng		99
32) Benzoic acid	9.985	122	70041	52.422	ng		94
33) 4-Chloroaniline	10.796	127	37547	15.774	ng		98
34) Hexachlorobutadiene	10.978	225	73173	52.864	ng		93
35) Caprolactam	11.566	113	27098m	39.406	ng		
36) 4-Chloro-3-methylphenol	11.924	107	104955	45.549	ng		94
37) 2-Methylnaphthalene	12.300	142	178217	39.041	ng		97
38) 1-Methylnaphthalene	12.518	142	192479m	42.689	ng		
40) 1,2,4,5-Tetrachloroben...	12.671	216	132633	53.995	ng		98
41) Hexachlorocyclopentadiene	12.653	237	142725	122.254	ng		97
43) 2,4,6-Trichlorophenol	12.906	196	80548	49.060	ng		91

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.982	196	90948	51.065	ng		91
46)	1,1'-Biphenyl	13.311	154	305338	49.242	ng		98
47)	2-Chloronaphthalene	13.352	162	207265	44.461	ng		97
48)	2-Nitroaniline	13.552	65	74215	46.709	ng		97
49)	Acenaphthylene	14.198	152	350332	50.838	ng		98
50)	Dimethylphthalate	13.934	163	268250	41.628	ng		100
51)	2,6-Dinitrotoluene	14.051	165	62400	50.019	ng		91
52)	Acenaphthene	14.539	154	210493	43.284	ng		97
53)	3-Nitroaniline	14.374	138	36789	28.153	ng	#	95
54)	2,4-Dinitrophenol	14.586	184	64602	79.312	ng	#	78
55)	Dibenzofuran	14.874	168	343894	44.958	ng		99
56)	4-Nitrophenol	14.698	139	103316	96.382	ng	#	77
57)	2,4-Dinitrotoluene	14.839	165	92282	48.923	ng	#	99
58)	Fluorene	15.526	166	288114	45.955	ng		98
59)	2,3,4,6-Tetrachlorophenol	15.103	232	88726	51.796	ng		99
60)	Diethylphthalate	15.303	149	297415	43.126	ng		99
61)	4-Chlorophenyl-phenyle...	15.520	204	147341	47.136	ng		98
62)	4-Nitroaniline	15.544	138	57638	43.225	ng	#	82
63)	Azobenzene	15.814	77	279664	45.498	ng		95
65)	4,6-Dinitro-2-methylph...	15.602	198	54007	44.702	ng		97
66)	n-Nitrosodiphenylamine	15.732	169	250954	43.351	ng		99
67)	4-Bromophenyl-phenylether	16.413	248	106168	47.501	ng		95
68)	Hexachlorobenzene	16.531	284	118518	47.751	ng		94
69)	Atrazine	16.683	200	112629	46.597	ng		99
70)	Pentachlorophenol	16.877	266	164219	109.119	ng		94
71)	Phenanthrene	17.259	178	488694	44.031	ng		98
72)	Anthracene	17.353	178	496769	44.000	ng		98
73)	Carbazole	17.618	167	446158	44.859	ng		97
74)	Di-n-butylphthalate	18.188	149	534612	44.741	ng		99
75)	Fluoranthene	19.275	202	634926	48.652	ng		98
77)	Benzidine	19.457	184	322238	66.757	ng		99
78)	Pyrene	19.633	202	649657	44.940	ng		99
80)	Butylbenzylphthalate	20.532	149	251870	46.193	ng		92
81)	Benzo(a)anthracene	21.431	228	683017	46.528	ng		99
82)	3,3'-Dichlorobenzidine	21.354	252	101253	21.179	ng		96
83)	Chrysene	21.495	228	629528	44.669	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.360	149	365874	44.694	ng	#	98
85)	Di-n-octyl phthalate	22.494	149	623515	43.714	ng		97
87)	Indeno(1,2,3-cd)pyrene	27.859	276	810708	46.626	ng	#	96
88)	Benzo(b)fluoranthene	23.517	252	657099	45.728	ng	#	97
89)	Benzo(k)fluoranthene	23.581	252	694245m	47.422	ng		
90)	Benzo(a)pyrene	24.327	252	650551	48.668	ng	#	97
91)	Dibenzo(a,h)anthracene	27.917	278	646540	46.312	ng		98
92)	Benzo(g,h,i)perylene	28.922	276	655223	48.233	ng	#	93

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

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