Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
Data File : BG064259.D
Acq On : 3 Sep 2025 18:30
Operator : RC/JU
Sample : Q2893-01
Misc : LOD-MDL-SOIL 8PPM
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 04 02:02:43 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 :
LOD-MDL-SOIL-01-QT3-2025

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 09/04/2025
Supervised By :Jagrut Upadhyay 09/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.856	152	36950	20.000	ng		0.00
21) Naphthalene-d8	10.641	136	165439	20.000	ng	#	0.00
39) Acenaphthene-d10	14.478	164	110383	20.000	ng		0.00
64) Phenanthrene-d10	17.216	188	225818	20.000	ng		0.00
76) Chrysene-d12	21.446	240	240804	20.000	ng		0.00
86) Perylene-d12	24.455	264	254292	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.442	112	290067	140.841	ng		0.00
7) Phenol-d6	7.028	99	418541	147.923	ng		0.00
23) Nitrobenzene-d5	9.008	82	307302	103.593	ng		0.00
42) 2,4,6-Tribromophenol	15.970	330	199896	136.721	ng		0.00
45) 2-Fluorobiphenyl	13.103	172	737095	101.924	ng		0.00
79) Terphenyl-d14	19.842	244	1192380	103.309	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.362	88	7953	9.265	ng		92
3) Pyridine	3.749	79	22219	8.793	ng	#	51
4) n-Nitrosodimethylamine	3.661	42	13754	8.229	ng	#	99
6) Aniline	7.187	93	35654	9.112	ng		99
8) 2-Chlorophenol	7.422	128	22640	8.996	ng		95
9) Benzaldehyde	6.993	77	20561	8.830	ng		92
10) Phenol	7.051	94	27976	8.968	ng		91
11) bis(2-Chloroethyl)ether	7.281	93	21040	8.976	ng		95
12) 1,3-Dichlorobenzene	7.745	146	24317	9.082	ng		94
13) 1,4-Dichlorobenzene	7.886	146	24675	9.132	ng		88
14) 1,2-Dichlorobenzene	8.209	146	23742	9.104	ng		95
15) Benzyl Alcohol	8.086	79	21231	8.131	ng		89
16) 2,2'-oxybis(1-Chloropr...	8.373	45	43803	8.185	ng		96
17) 2-Methylphenol	8.291	107	19462	8.371	ng	#	84
18) Hexachloroethane	8.932	117	9497	9.004	ng	#	89
19) n-Nitroso-di-n-propyla...	8.656	70	20065	9.266	ng		95
20) 3+4-Methylphenols	8.620	107	26441	8.185	ng		95
22) Acetophenone	8.667	105	37548	8.971	ng		95
24) Nitrobenzene	9.049	77	29135	9.400	ng		90
25) Isophorone	9.572	82	55154	8.946	ng	#	95
26) 2-Nitrophenol	9.760	139	12319	9.199	ng		95
27) 2,4-Dimethylphenol	9.819	122	19817	8.428	ng		91
28) bis(2-Chloroethoxy)met...	10.054	93	29826	8.972	ng	#	91
29) 2,4-Dichlorophenol	10.289	162	21676	8.737	ng		92
30) 1,2,4-Trichlorobenzene	10.506	180	25212	9.638	ng		99
31) Naphthalene	10.694	128	74644	8.701	ng		99
32) Benzoic acid	9.919	122	10014m	5.365	ng		
33) 4-Chloroaniline	10.800	127	30751	9.248	ng		95
34) Hexachlorobutadiene	10.988	225	17701	9.154	ng	#	83
35) Caprolactam	11.546	113	6609	6.880	ng	#	81
36) 4-Chloro-3-methylphenol	11.922	107	26921	8.364	ng	#	91
37) 2-Methylnaphthalene	12.304	142	48503	7.606	ng		98
38) 1-Methylnaphthalene	12.522	142	53306	8.463	ng		96
40) 1,2,4,5-Tetrachloroben...	12.668	216	30263	9.502	ng		97
41) Hexachlorocyclopentadiene	12.657	237	15003	9.912	ng		98
43) 2,4,6-Trichlorophenol	12.909	196	19396	9.111	ng		95

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.980	196	19680	8.522	ng		86
46) 1,1'-Biphenyl	13.315	154	76140	9.470	ng		98
47) 2-Chloronaphthalene	13.356	162	54107	8.952	ng		99
48) 2-Nitroaniline	13.556	65	17716	8.600	ng		85
49) Acenaphthylene	14.202	152	89303	9.995	ng		97
50) Dimethylphthalate	13.932	163	69490	8.317	ng		97
51) 2,6-Dinitrotoluene	14.049	165	14094	8.713	ng		94
52) Acenaphthene	14.543	154	52096	8.262	ng		95
53) 3-Nitroaniline	14.378	138	13127	7.748	ng		87
54) 2,4-Dinitrophenol	14.590	184	4933	9.990	ng		94
55) Dibenzofuran	14.878	168	87473	8.820	ng		97
56) 4-Nitrophenol	14.690	139	9281	6.678	ng	#	88
57) 2,4-Dinitrotoluene	14.836	165	19709	8.059	ng	#	98
58) Fluorene	15.524	166	69574	8.559	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.101	232	19127	8.612	ng	#	96
60) Diethylphthalate	15.301	149	69850	7.812	ng		98
61) 4-Chlorophenyl-phenyle...	15.518	204	35178	8.680	ng		97
62) 4-Nitroaniline	15.536	138	12894	7.458	ng	#	85
63) Azobenzene	15.812	77	67629	8.486	ng		97
65) 4,6-Dinitro-2-methylph...	15.600	198	10579	8.160	ng		88
66) n-Nitrosodiphenylamine	15.735	169	59342	9.553	ng		100
67) 4-Bromophenyl-phenylether	16.417	248	22769	9.493	ng		94
68) Hexachlorobenzene	16.529	284	25461	9.559	ng		96
69) Atrazine	16.681	200	23226	8.954	ng		95
70) Pentachlorophenol	16.875	266	13160	8.149	ng		91
71) Phenanthrene	17.263	178	105083	8.823	ng		96
72) Anthracene	17.351	178	106551	8.795	ng		98
73) Carbazole	17.616	167	97202	9.107	ng		97
74) Di-n-butylphthalate	18.186	149	120230	9.376	ng		99
75) Fluoranthene	19.272	202	126480	9.031	ng		99
77) Benzidine	19.455	184	52497	10.363	ng		97
78) Pyrene	19.631	202	132109	8.708	ng		97
80) Butylbenzylphthalate	20.530	149	54549	9.533	ng		95
81) Benzo(a)anthracene	21.429	228	137192	8.905	ng		97
82) 3,3'-Dichlorobenzidine	21.352	252	47761	9.519	ng	#	88
83) Chrysene	21.493	228	130377	8.815	ng		99
84) Bis(2-ethylhexyl)phtha...	21.358	149	81702	9.510	ng		97
85) Di-n-octyl phthalate	22.498	149	139199	9.299	ng		100
87) Indeno(1,2,3-cd)pyrene	27.839	276	157387	9.063	ng		98
88) Benzo(b)fluoranthene	23.503	252	131160	9.139	ng		98
89) Benzo(k)fluoranthene	23.567	252	127318	8.708	ng		98
90) Benzo(a)pyrene	24.308	252	127133	9.523	ng		97
91) Dibenzo(a,h)anthracene	27.892	278	126293	9.058	ng		94
92) Benzo(g,h,i)perylene	28.885	276	126916	9.354	ng		98

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

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