Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112125\
Data File : BG064841.D
Acq On : 21 Nov 2025 12:20
Operator : RC/JU
Sample : Q3530-03
Misc : MDL-SOIL-4ng
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2025

Quant Time: Nov 21 12:56:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.158	152	45164	20.000	ng		0.00
21) Naphthalene-d8	10.978	136	180131	20.000	ng		0.00
39) Acenaphthene-d10	14.768	164	154529	20.000	ng		0.00
64) Phenanthrene-d10	17.500	188	396407	20.000	ng		0.00
76) Chrysene-d12	21.748	240	463301	20.000	ng		0.00
86) Perylene-d12	25.003	264	448925	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.696	112	276464	106.892	ng		0.00
7) Phenol-d6	7.306	99	390661	113.564	ng		0.00
23) Nitrobenzene-d5	9.321	82	286813	78.725	ng		0.00
42) 2,4,6-Tribromophenol	16.248	330	339403	112.617	ng		0.00
45) 2-Fluorobiphenyl	13.405	172	856068	77.300	ng		0.00
79) Terphenyl-d14	20.085	244	2047850	86.948	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.528	88	3858	3.853	ng		93
3) Pyridine	3.945	79	9820	3.292	ng		93
4) n-Nitrosodimethylamine	3.851	42	4994	3.289	ng	#	87
6) Aniline	7.470	93	16692	3.640	ng		98
8) 2-Chlorophenol	7.723	128	10190	3.588	ng		96
9) Benzaldehyde	7.282	77	9893	4.393	ng		97
10) Phenol	7.324	94	13485	3.603	ng	#	76
11) bis(2-Chloroethyl)ether	7.564	93	9974	3.745	ng		87
12) 1,3-Dichlorobenzene	8.046	146	12183m	3.728	ng		
13) 1,4-Dichlorobenzene	8.193	146	12421	3.733	ng		96
14) 1,2-Dichlorobenzene	8.516	146	11961	3.707	ng		98
15) Benzyl Alcohol	8.387	79	9073	3.213	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.692	45	20409	3.237	ng		95
17) 2-Methylphenol	8.587	107	8196	3.095	ng		92
18) Hexachloroethane	9.257	117	4794	3.804	ng		83
19) n-Nitroso-di-n-propyla...	8.957	70	7978	3.430	ng		95
20) 3+4-Methylphenols	8.916	107	11490	3.167	ng		96
22) Acetophenone	8.980	105	17538	3.574	ng	#	98
24) Nitrobenzene	9.362	77	13898	3.775	ng	#	96
25) Isophorone	9.891	82	22808	3.287	ng		97
26) 2-Nitrophenol	10.079	139	5102	3.081	ng		94
27) 2,4-Dimethylphenol	10.132	122	9941	3.379	ng		90
28) bis(2-Chloroethoxy)met...	10.367	93	12903	3.388	ng		93
29) 2,4-Dichlorophenol	10.620	162	10291	3.259	ng		97
30) 1,2,4-Trichlorobenzene	10.837	180	14101	3.698	ng		91
31) Naphthalene	11.025	128	36709	3.595	ng	#	97
32) Benzoic acid	10.249	122	3666m	7.431	ng		
33) 4-Chloroaniline	11.131	127	13922	3.408	ng		96
34) Hexachlorobutadiene	11.319	225	11799	3.606	ng		94
35) Caprolactam	11.865	113	2783	2.946	ng		95
36) 4-Chloro-3-methylphenol	12.235	107	11400	3.243	ng		90
37) 2-Methylnaphthalene	12.617	142	24993	3.271	ng		95
38) 1-Methylnaphthalene	12.841	142	25781	3.396	ng		98
40) 1,2,4,5-Tetrachloroben...	12.982	216	21186	3.523	ng		98
41) Hexachlorocyclopentadiene	12.964	237	8661	2.009	ng		94
43) 2,4,6-Trichlorophenol	13.217	196	10960	3.105	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.293	196	13725	3.467	ng		94
46) 1,1'-Biphenyl	13.610	154	40199	3.622	ng		97
47) 2-Chloronaphthalene	13.657	162	31089	3.555	ng		95
48) 2-Nitroaniline	13.845	65	8636	3.071	ng		95
49) Acenaphthylene	14.492	152	52460	3.512	ng		98
50) Dimethylphthalate	14.210	163	42933	3.517	ng		98
51) 2,6-Dinitrotoluene	14.327	165	8342	3.551	ng		93
52) Acenaphthene	14.832	154	30447	3.399	ng		96
53) 3-Nitroaniline	14.656	138	7552	3.258	ng	#	72
54) 2,4-Dinitrophenol	14.879	184	824	9.041	ng	#	89
55) Dibenzofuran	15.167	168	52978	3.578	ng		95
56) 4-Nitrophenol	14.973	139	4032	2.192	ng		96
57) 2,4-Dinitrotoluene	15.114	165	11295	3.207	ng		95
58) Fluorene	15.808	166	43300	3.728	ng		95
59) 2,3,4,6-Tetrachlorophenol	15.385	232	14298	3.661	ng	#	96
60) Diethylphthalate	15.567	149	41157	3.520	ng		99
61) 4-Chlorophenyl-phenyle...	15.796	204	25451	3.652	ng		94
62) 4-Nitroaniline	15.814	138	7119	2.964	ng		89
63) Azobenzene	16.090	77	34476	3.545	ng		96
65) 4,6-Dinitro-2-methylph...	15.878	198	4114	1.869	ng		90
66) n-Nitrosodiphenylamine	16.007	169	36820	3.546	ng		95
67) 4-Bromophenyl-phenylether	16.689	248	18606	3.574	ng		96
68) Hexachlorobenzene	16.812	284	21761	3.450	ng	#	89
69) Atrazine	16.942	200	16652	3.326	ng		91
70) Pentachlorophenol	17.159	266	7027	7.881	ng	#	85
71) Phenanthrene	17.541	178	79541	3.667	ng		97
72) Anthracene	17.629	178	77638	3.511	ng		97
73) Carbazole	17.893	167	65023	3.420	ng		98
74) Di-n-butylphthalate	18.446	149	72161	3.402	ng		99
75) Fluoranthene	19.533	202	98960	3.337	ng		96
77) Benzidine	19.703	184	40607	2.927	ng	#	95
78) Pyrene	19.897	202	104160	4.011	ng		96
80) Butylbenzylphthalate	20.761	149	33045	3.618	ng		97
81) Benzo(a)anthracene	21.730	228	107528	3.413	ng		98
82) 3,3'-Dichlorobenzidine	21.636	252	37613	3.244	ng		93
83) Chrysene	21.795	228	107570	3.622	ng		99
84) Bis(2-ethylhexyl)phtha...	21.630	149	46612	3.493	ng		97
85) Di-n-octyl phthalate	22.846	149	74711	3.238	ng		98
87) Indeno(1,2,3-cd)pyrene	28.716	276	103970	3.371	ng	#	74
88) Benzo(b)fluoranthene	23.969	252	94980m	3.325	ng		
89) Benzo(k)fluoranthene	24.033	252	97357	3.392	ng		99
90) Benzo(a)pyrene	24.850	252	91696	3.460	ng		99
91) Dibenzo(a,h)anthracene	28.792	278	82417	3.262	ng	#	96
92) Benzo(g,h,i)perylene	29.874	276	82979	3.412	ng		95

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

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