Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112125\
Data File : BG064844.D
Acq On : 21 Nov 2025 15:14
Operator : RC/JU
Sample : Q3530-03
Misc : MDL-SOIL-8ng
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Nov 21 15:51:21 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	8.161	152	47267	20.000	ng		0.00
21) Naphthalene-d8	10.981	136	177281	20.000	ng	#	0.00
39) Acenaphthene-d10	14.771	164	149266	20.000	ng		0.00
64) Phenanthrene-d10	17.497	188	362584	20.000	ng		0.00
76) Chrysene-d12	21.751	240	414830	20.000	ng		0.00
86) Perylene-d12	25.006	264	387284	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.699	112	371183	137.129	ng		0.00
7) Phenol-d6	7.309	99	451367	125.373	ng		0.00
23) Nitrobenzene-d5	9.325	82	310499	86.597	ng		0.00
42) 2,4,6-Tribromophenol	16.246	330	368372	126.538	ng		0.00
45) 2-Fluorobiphenyl	13.402	172	897939	83.940	ng		0.00
79) Terphenyl-d14	20.088	244	2083764	98.810	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.526	88	10589	10.105	ng		96
3) Pyridine	3.943	79	25084	8.034	ng		89
4) n-Nitrosodimethylamine	3.849	42	12118	7.625	ng	#	82
6) Aniline	7.480	93	36621	7.631	ng		91
8) 2-Chlorophenol	7.721	128	23586	7.936	ng		95
9) Benzaldehyde	7.286	77	19881	8.436	ng		93
10) Phenol	7.333	94	30451	7.774	ng		95
11) bis(2-Chloroethyl)ether	7.568	93	20847	7.479	ng		90
12) 1,3-Dichlorobenzene	8.050	146	27475m	8.034	ng		
13) 1,4-Dichlorobenzene	8.197	146	28641	8.224	ng		95
14) 1,2-Dichlorobenzene	8.526	146	26589	7.874	ng		97
15) Benzyl Alcohol	8.390	79	19312	6.535	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.690	45	41125	6.233	ng		97
17) 2-Methylphenol	8.590	107	18812	6.787	ng		94
18) Hexachloroethane	9.260	117	10203	7.735	ng		95
19) n-Nitroso-di-n-propyla...	8.960	70	17980	7.386	ng	#	83
20) 3+4-Methylphenols	8.919	107	25701	6.769	ng		96
22) Acetophenone	8.984	105	38065	7.881	ng	#	99
24) Nitrobenzene	9.366	77	28568	7.885	ng		94
25) Isophorone	9.889	82	51296	7.513	ng		96
26) 2-Nitrophenol	10.083	139	12330	7.566	ng		94
27) 2,4-Dimethylphenol	10.130	122	17810	6.152	ng		98
28) bis(2-Chloroethoxy)met...	10.365	93	28217	7.527	ng		97
29) 2,4-Dichlorophenol	10.623	162	22625	7.279	ng		95
30) 1,2,4-Trichlorobenzene	10.840	180	31140	8.297	ng		93
31) Naphthalene	11.028	128	76691	7.631	ng		98
32) Benzoic acid	10.206	122	10863m	10.547	ng		
33) 4-Chloroaniline	11.128	127	30860	7.676	ng		96
34) Hexachlorobutadiene	11.316	225	24009	7.456	ng	#	87
35) Caprolactam	11.863	113	6572	7.069	ng	#	74
36) 4-Chloro-3-methylphenol	12.227	107	25603	7.401	ng		89
37) 2-Methylnaphthalene	12.621	142	51154	6.802	ng		96
38) 1-Methylnaphthalene	12.838	142	55283m	7.400	ng		
40) 1,2,4,5-Tetrachloroben...	12.985	216	43764	7.534	ng		96
41) Hexachlorocyclopentadiene	12.967	237	18796	4.514	ng		95
43) 2,4,6-Trichlorophenol	13.214	196	23705	6.953	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.291	196	28745	7.517	ng		96
46) 1,1'-Biphenyl	13.614	154	81591	7.611	ng		96
47) 2-Chloronaphthalene	13.661	162	63402	7.507	ng		95
48) 2-Nitroaniline	13.843	65	18574	6.837	ng		97
49) Acenaphthylene	14.495	152	107335	7.439	ng		97
50) Dimethylphthalate	14.213	163	89204	7.565	ng		99
51) 2,6-Dinitrotoluene	14.331	165	17292	7.621	ng		99
52) Acenaphthene	14.836	154	63097	7.293	ng		98
53) 3-Nitroaniline	14.660	138	16492	7.365	ng	#	98
54) 2,4-Dinitrophenol	14.871	184	4332	11.072	ng	#	84
55) Dibenzofuran	15.165	168	112806	7.887	ng		95
56) 4-Nitrophenol	14.959	139	9895	5.569	ng	#	81
57) 2,4-Dinitrotoluene	15.112	165	25074	7.371	ng	#	95
58) Fluorene	15.811	166	87815	7.828	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.388	232	29753	7.886	ng	#	97
60) Diethylphthalate	15.564	149	83797	7.419	ng		98
61) 4-Chlorophenyl-phenyle...	15.799	204	51498	7.649	ng		95
62) 4-Nitroaniline	15.811	138	15916	6.861	ng		87
63) Azobenzene	16.087	77	73521	7.826	ng		97
65) 4,6-Dinitro-2-methylph...	15.876	198	12325	6.122	ng		90
66) n-Nitrosodiphenylamine	16.005	169	76565	8.062	ng		99
67) 4-Bromophenyl-phenylether	16.687	248	37328	7.839	ng		97
68) Hexachlorobenzene	16.810	284	45400	7.870	ng		95
69) Atrazine	16.939	200	35037	7.652	ng		98
70) Pentachlorophenol	17.151	266	19439	11.400	ng		96
71) Phenanthrene	17.539	178	159324	8.031	ng		98
72) Anthracene	17.633	178	160153	7.917	ng		97
73) Carbazole	17.897	167	137016	7.879	ng		97
74) Di-n-butylphthalate	18.443	149	150793	7.772	ng		99
75) Fluoranthene	19.536	202	204021	7.521	ng		99
77) Benzidine	19.707	184	70019	5.636	ng		98
78) Pyrene	19.895	202	211244	9.086	ng		96
80) Butylbenzylphthalate	20.764	149	67582	8.264	ng		92
81) Benzo(a)anthracene	21.728	228	216253	7.667	ng		98
82) 3,3'-Dichlorobenzidine	21.634	252	74272	7.154	ng		98
83) Chrysene	21.792	228	210322	7.909	ng		99
84) Bis(2-ethylhexyl)phtha...	21.628	149	92459	7.737	ng		99
85) Di-n-octyl phthalate	22.850	149	142759	6.911	ng		98
87) Indeno(1,2,3-cd)pyrene	28.720	276	207976	7.816	ng	#	92
88) Benzo(b)fluoranthene	23.966	252	191208	7.758	ng		99
89) Benzo(k)fluoranthene	24.037	252	194959	7.874	ng		97
90) Benzo(a)pyrene	24.848	252	178719	7.817	ng	#	99
91) Dibenzo(a,h)anthracene	28.778	278	169114	7.758	ng		98
92) Benzo(g,h,i)perylene	29.889	276	164948	7.863	ng	#	96

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

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