Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020625\
Data File : BG064016.D
Acq On : 6 Feb 2025 14:06
Operator : RC/JU
Sample : Q1168-03
Misc : MDL-MDL-SOIL 8PPM
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2025

Quant Time: Feb 06 15:07:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 04 02:51:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.876	152	49017	20.000	ng		0.00
21) Naphthalene-d8	10.661	136	208624	20.000	ng		0.00
39) Acenaphthene-d10	14.498	164	143960	20.000	ng		0.00
64) Phenanthrene-d10	17.236	188	314794	20.000	ng	#	0.00
76) Chrysene-d12	21.466	240	374106	20.000	ng		0.00
86) Perylene-d12	24.498	264	396507	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.456	112	419274	137.142	ng		0.00
7) Phenol-d6	7.036	99	599039	142.781	ng		0.00
23) Nitrobenzene-d5	9.022	82	409762	119.370	ng		0.00
42) 2,4,6-Tribromophenol	15.979	330	234346	139.613	ng		0.00
45) 2-Fluorobiphenyl	13.123	172	913976	97.273	ng		0.00
79) Terphenyl-d14	19.862	244	1688722	94.274	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.382	88	14845	10.224	ng		98
3) Pyridine	3.775	79	33899	8.646	ng		98
4) n-Nitrosodimethylamine	3.687	42	22060	9.785	ng	#	90
6) Aniline	7.201	93	46868	10.424	ng		94
8) 2-Chlorophenol	7.436	128	30873	9.910	ng		97
9) Benzaldehyde	7.013	77	31010	13.539	ng		94
10) Phenol	7.060	94	43832	9.925	ng		96
11) bis(2-Chloroethyl)ether	7.300	93	34541	9.713	ng		95
12) 1,3-Dichlorobenzene	7.765	146	33829	9.126	ng		94
13) 1,4-Dichlorobenzene	7.906	146	35033m	9.358	ng		
14) 1,2-Dichlorobenzene	8.223	146	34254	9.546	ng		99
15) Benzyl Alcohol	8.105	79	30591	9.755	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.393	45	75461	10.538	ng		98
17) 2-Methylphenol	8.305	107	27608	9.666	ng		88
18) Hexachloroethane	8.951	117	12152	9.863	ng		94
19) n-Nitroso-di-n-propyla...	8.669	70	28938	9.960	ng	#	94
20) 3+4-Methylphenols	8.628	107	37776	9.927	ng		96
22) Acetophenone	8.687	105	57832	10.089	ng	#	95
24) Nitrobenzene	9.063	77	41725	13.503	ng		94
25) Isophorone	9.586	82	79444	10.676	ng		98
26) 2-Nitrophenol	9.774	139	10302	19.345	ng	#	85
27) 2,4-Dimethylphenol	9.833	122	20244	9.457	ng		98
28) bis(2-Chloroethoxy)met...	10.074	93	44416	9.380	ng		99
29) 2,4-Dichlorophenol	10.303	162	27975	12.465	ng		96
30) 1,2,4-Trichlorobenzene	10.526	180	35116	9.985	ng		98
31) Naphthalene	10.708	128	109879	9.824	ng		99
32) Benzoic acid	9.903	122	7551m	12.771	ng		
33) 4-Chloroaniline	10.814	127	42378	9.889	ng		97
34) Hexachlorobutadiene	11.008	225	21812	9.740	ng		93
35) Caprolactam	11.543	113	9308	12.879	ng	#	86
36) 4-Chloro-3-methylphenol	11.930	107	33025	9.639	ng		91
37) 2-Methylnaphthalene	12.318	142	75067	9.631	ng		94
38) 1-Methylnaphthalene	12.536	142	72328m	9.378	ng		
40) 1,2,4,5-Tetrachloroben...	12.688	216	41774	9.840	ng		98
41) Hexachlorocyclopentadiene	12.671	237	11703	10.892	ng		90
43) 2,4,6-Trichlorophenol	12.923	196	20855m	12.402	ng		

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.994	196	24651	12.001	ng		98
46) 1,1'-Biphenyl	13.329	154	107656	9.822	ng		98
47) 2-Chloronaphthalene	13.370	162	76510	9.577	ng		96
48) 2-Nitroaniline	13.564	65	19789	14.244	ng		93
49) Acenaphthylene	14.216	152	126254	10.174	ng		99
50) Dimethylphthalate	13.951	163	93357	9.781	ng		98
51) 2,6-Dinitrotoluene	14.063	165	15514	13.224	ng		98
52) Acenaphthene	14.557	154	78572	9.440	ng		98
53) 3-Nitroaniline	14.386	138	17698	12.769	ng	#	90
54) 2,4-Dinitrophenol	14.592	184	3304	13.715	ng	#	86
55) Dibenzofuran	14.892	168	123896	9.167	ng		98
56) 4-Nitrophenol	14.686	139	13071	14.768	ng		92
57) 2,4-Dinitrotoluene	14.845	165	20185	13.714	ng	#	89
58) Fluorene	15.544	166	100038	9.576	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.115	232	22173	12.505	ng	#	97
60) Diethylphthalate	15.320	149	97603	9.644	ng		99
61) 4-Chlorophenyl-phenyle...	15.544	204	52557	10.027	ng		98
62) 4-Nitroaniline	15.550	138	19485	11.856	ng		91
63) Azobenzene	15.832	77	110097	9.211	ng		99
65) 4,6-Dinitro-2-methylph...	15.608	198	6977	15.988	ng		97
66) n-Nitrosodiphenylamine	15.749	169	86430	9.903	ng		99
67) 4-Bromophenyl-phenylether	16.431	248	32230	10.286	ng		92
68) Hexachlorobenzene	16.543	284	37060	10.060	ng	#	89
69) Atrazine	16.695	200	30552	10.519	ng		96
70) Pentachlorophenol	16.883	266	14538	14.074	ng		91
71) Phenanthrene	17.277	178	166027	10.042	ng		100
72) Anthracene	17.365	178	163329	9.872	ng		98
73) Carbazole	17.630	167	153803	9.931	ng		98
74) Di-n-butylphthalate	18.211	149	167025	10.346	ng		98
75) Fluoranthene	19.286	202	197597	9.815	ng		99
77) Benzidine	19.469	184	77164	9.686	ng		95
78) Pyrene	19.645	202	216416	9.371	ng		97
80) Butylbenzylphthalate	20.556	149	70699	13.308	ng	#	96
81) Benzo(a)anthracene	21.449	228	238092	10.024	ng		99
82) 3,3'-Dichlorobenzidine	21.372	252	81123	10.967	ng		99
83) Chrysene	21.513	228	228803	9.680	ng		98
84) Bis(2-ethylhexyl)phtha...	21.396	149	119690	12.862	ng		96
85) Di-n-octyl phthalate	22.547	149	192511	14.722	ng		100
87) Indeno(1,2,3-cd)pyrene	27.894	276	256951	10.045	ng		98
88) Benzo(b)fluoranthene	23.540	252	223090	9.555	ng		99
89) Benzo(k)fluoranthene	23.605	252	234835	9.795	ng		96
90) Benzo(a)pyrene	24.351	252	211012	10.125	ng		99
91) Dibenzo(a,h)anthracene	27.964	278	213564	9.887	ng		99
92) Benzo(g,h,i)perylene	28.957	276	204583m	9.382	ng		

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

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