Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020625\
Data File : BG064012.D
Acq On : 6 Feb 2025 11:35
Operator : RC/JU
Sample : P1187-03
Misc : MDL-MDL-SOIL 8PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2024

Quant Time: Feb 06 12:16:43 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	69815	20.000	ng		0.00
21) Naphthalene-d8	10.661	136	311916	20.000	ng		0.00
39) Acenaphthene-d10	14.498	164	202189	20.000	ng		0.00
64) Phenanthrene-d10	17.235	188	460104	20.000	ng		0.00
76) Chrysene-d12	21.472	240	504450	20.000	ng		0.00
86) Perylene-d12	24.498	264	529207	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.461	112	536205	123.141	ng		0.00
7) Phenol-d6	7.036	99	788038	131.875	ng		0.00
23) Nitrobenzene-d5	9.027	82	539524	105.124	ng		0.00
42) 2,4,6-Tribromophenol	15.984	330	302943	129.721	ng		0.00
45) 2-Fluorobiphenyl	13.123	172	1226972	92.977	ng		0.00
79) Terphenyl-d14	19.862	244	2126747	88.049	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.393	88	17510	8.467	ng		94
3) Pyridine	3.787	79	41192	7.377	ng	#	89
4) n-Nitrosodimethylamine	3.693	42	29303	9.126	ng	#	93
6) Aniline	7.200	93	61448	9.596	ng		96
8) 2-Chlorophenol	7.441	128	40854	9.207	ng		96
9) Benzaldehyde	7.012	77	41825	12.821	ng		95
10) Phenol	7.059	94	58482	9.297	ng		89
11) bis(2-Chloroethyl)ether	7.300	93	46017	9.085	ng		93
12) 1,3-Dichlorobenzene	7.764	146	44733	8.472	ng		99
13) 1,4-Dichlorobenzene	7.911	146	45706	8.572	ng		98
14) 1,2-Dichlorobenzene	8.228	146	44279	8.664	ng		99
15) Benzyl Alcohol	8.105	79	41813	9.361	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.393	45	101497	9.951	ng		98
17) 2-Methylphenol	8.305	107	35827	8.807	ng		98
18) Hexachloroethane	8.957	117	16388	9.338	ng		98
19) n-Nitroso-di-n-propyla...	8.675	70	40059	9.680	ng		99
20) 3+4-Methylphenols	8.634	107	49394	9.113	ng		96
22) Acetophenone	8.687	105	77781	9.076	ng		98
24) Nitrobenzene	9.063	77	55165	12.383	ng		96
25) Isophorone	9.586	82	106175	9.543	ng		99
26) 2-Nitrophenol	9.774	139	12701	16.819	ng		93
27) 2,4-Dimethylphenol	9.832	122	20209	6.315	ng		92
28) bis(2-Chloroethoxy)met...	10.073	93	62349	8.807	ng		99
29) 2,4-Dichlorophenol	10.302	162	35144	11.094	ng		95
30) 1,2,4-Trichlorobenzene	10.526	180	47466	9.028	ng		97
31) Naphthalene	10.708	128	146626	8.768	ng		98
32) Benzoic acid	9.909	122	9930m	11.954	ng		
33) 4-Chloroaniline	10.814	127	55958	8.734	ng		98
34) Hexachlorobutadiene	11.007	225	29947	8.944	ng		96
35) Caprolactam	11.554	113	12963	12.361	ng		90
36) 4-Chloro-3-methylphenol	11.930	107	45625	8.906	ng		99
37) 2-Methylnaphthalene	12.318	142	101977	8.751	ng		95
38) 1-Methylnaphthalene	12.535	142	94926	8.232	ng		98
40) 1,2,4,5-Tetrachloroben...	12.688	216	55155	9.250	ng		98
41) Hexachlorocyclopentadiene	12.670	237	11316	7.499	ng		99
43) 2,4,6-Trichlorophenol	12.923	196	27428	11.924	ng		88

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.988	196	32437	11.492	ng		96
46) 1,1'-Biphenyl	13.334	154	146814	9.537	ng		96
47) 2-Chloronaphthalene	13.369	162	105173	9.374	ng		98
48) 2-Nitroaniline	13.563	65	26572	13.828	ng		99
49) Acenaphthylene	14.215	152	161647	9.275	ng		98
50) Dimethylphthalate	13.951	163	125738	9.379	ng		99
51) 2,6-Dinitrotoluene	14.063	165	21807	13.231	ng		98
52) Acenaphthene	14.556	154	105944	9.063	ng		98
53) 3-Nitroaniline	14.386	138	23746	12.437	ng		100
54) 2,4-Dinitrophenol	14.597	184	4293	12.966	ng	#	75
55) Dibenzofuran	14.891	168	170151	8.964	ng		99
56) 4-Nitrophenol	14.691	139	18079	14.672	ng		96
57) 2,4-Dinitrotoluene	14.850	165	27550	13.473	ng		96
58) Fluorene	15.543	166	132499	9.031	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.114	232	28764	11.948	ng		99
60) Diethylphthalate	15.320	149	129420	9.105	ng		100
61) 4-Chlorophenyl-phenyle...	15.543	204	69292	9.413	ng		96
62) 4-Nitroaniline	15.543	138	25856	11.419	ng		98
63) Azobenzene	15.831	77	143924	8.573	ng		99
65) 4,6-Dinitro-2-methylph...	15.614	198	8483	14.011	ng		92
66) n-Nitrosodiphenylamine	15.749	169	113069	8.863	ng		94
67) 4-Bromophenyl-phenylether	16.436	248	42364	9.251	ng		94
68) Hexachlorobenzene	16.542	284	50083	9.302	ng	#	93
69) Atrazine	16.701	200	42684	10.055	ng		95
70) Pentachlorophenol	16.883	266	21436	14.122	ng		97
71) Phenanthrene	17.277	178	222281	9.198	ng		98
72) Anthracene	17.371	178	209899	8.680	ng		98
73) Carbazole	17.635	167	203043	8.970	ng		97
74) Di-n-butylphthalate	18.217	149	222086	9.412	ng		99
75) Fluoranthene	19.286	202	267386	9.087	ng		98
77) Benzidine	19.468	184	72307	6.731	ng	#	94
78) Pyrene	19.650	202	290063	9.314	ng		100
80) Butylbenzylphthalate	20.555	149	83911	12.379	ng		99
81) Benzo(a)anthracene	21.454	228	295743	9.234	ng		99
82) 3,3'-Dichlorobenzidine	21.372	252	94282	9.453	ng		97
83) Chrysene	21.513	228	298912	9.378	ng		98
84) Bis(2-ethylhexyl)phtha...	21.395	149	145429	12.032	ng		100
85) Di-n-octyl phthalate	22.547	149	226026	13.716	ng		99
87) Indeno(1,2,3-cd)pyrene	27.899	276	316848	9.281	ng		94
88) Benzo(b)fluoranthene	23.540	252	274262	8.801	ng		99
89) Benzo(k)fluoranthene	23.604	252	289023	9.033	ng		98
90) Benzo(a)pyrene	24.351	252	262185	9.426	ng		97
91) Dibenzo(a,h)anthracene	27.958	278	263579	9.143	ng		96
92) Benzo(g,h,i)perylene	28.957	276	254333	8.739	ng		96

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

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