Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020625\
Data File : BG064011.D
Acq On : 6 Feb 2025 10:57
Operator : RC/JU
Sample : P1187-03
Misc : MDL-MDL-SOIL 4PPM
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Feb 06 11:32:57 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	7.875	152	54415	20.000	ng		0.00
21) Naphthalene-d8	10.660	136	228641	20.000	ng		0.00
39) Acenaphthene-d10	14.497	164	152416	20.000	ng		0.00
64) Phenanthrene-d10	17.235	188	354449	20.000	ng		0.00
76) Chrysene-d12	21.471	240	416605	20.000	ng		0.00
86) Perylene-d12	24.497	264	433943	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.454	112	441094	129.967	ng		0.00
7) Phenol-d6	7.035	99	600525	128.936	ng		0.00
23) Nitrobenzene-d5	9.021	82	407114	108.215	ng		0.00
42) 2,4,6-Tribromophenol	15.983	330	216437	123.744	ng		0.00
45) 2-Fluorobiphenyl	13.122	172	942575	94.751	ng		0.00
79) Terphenyl-d14	19.861	244	1803433	90.407	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.386	88	7825	4.855	ng		97
3) Pyridine	3.774	79	16253	3.734	ng	#	89
4) n-Nitrosodimethylamine	3.692	42	11298	4.514	ng	#	82
6) Aniline	7.199	93	22948	4.598	ng		95
8) 2-Chlorophenol	7.434	128	16651	4.815	ng		95
9) Benzaldehyde	7.011	77	16481	6.482	ng		95
10) Phenol	7.058	94	21180	4.320	ng		90
11) bis(2-Chloroethyl)ether	7.299	93	17501	4.433	ng		96
12) 1,3-Dichlorobenzene	7.764	146	18429	4.478	ng		95
13) 1,4-Dichlorobenzene	7.905	146	18936	4.556	ng		93
14) 1,2-Dichlorobenzene	8.228	146	18712m	4.697	ng		
15) Benzyl Alcohol	8.104	79	14270	4.099	ng		88
16) 2,2'-oxybis(1-Chloropr...	8.392	45	38169	4.801	ng		98
17) 2-Methylphenol	8.310	107	13077	4.124	ng		97
18) Hexachloroethane	8.956	117	6530	4.774	ng	#	86
19) n-Nitroso-di-n-propyla...	8.668	70	13861	4.298	ng		98
20) 3+4-Methylphenols	8.627	107	17527	4.149	ng		90
22) Acetophenone	8.686	105	28765	4.579	ng	#	98
24) Nitrobenzene	9.062	77	21397	8.354	ng		97
25) Isophorone	9.585	82	36320	4.454	ng		97
26) 2-Nitrophenol	9.767	139	4329	8.649	ng	#	81
27) 2,4-Dimethylphenol	9.838	122	6026	2.569	ng	#	91
28) bis(2-Chloroethoxy)met...	10.073	93	22845	4.402	ng		99
29) 2,4-Dichlorophenol	10.302	162	12122	7.274	ng		97
30) 1,2,4-Trichlorobenzene	10.525	180	17810	4.621	ng		94
31) Naphthalene	10.713	128	54848	4.474	ng		96
32) Benzoic acid	9.902	122	1462m	6.696	ng		
33) 4-Chloroaniline	10.813	127	19581	4.169	ng		97
34) Hexachlorobutadiene	11.007	225	11212	4.568	ng		95
35) Caprolactam	11.541	113	4290	8.498	ng		96
36) 4-Chloro-3-methylphenol	11.929	107	15997	4.260	ng		97
37) 2-Methylnaphthalene	12.317	142	37905	4.437	ng		97
38) 1-Methylnaphthalene	12.534	142	35219m	4.167	ng		
40) 1,2,4,5-Tetrachloroben...	12.687	216	20863	4.642	ng		99
41) Hexachlorocyclopentadiene	12.675	237	4022	3.536	ng		92
43) 2,4,6-Trichlorophenol	12.922	196	8660	7.841	ng		90

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.987	196	10749	7.259	ng		94
46) 1,1'-Biphenyl	13.333	154	55821	4.810	ng		97
47) 2-Chloronaphthalene	13.369	162	39938	4.722	ng		93
48) 2-Nitroaniline	13.563	65	7888	8.143	ng		91
49) Acenaphthylene	14.215	152	59777	4.550	ng		97
50) Dimethylphthalate	13.950	163	43877	4.342	ng	#	99
51) 2,6-Dinitrotoluene	14.062	165	6131	7.740	ng	#	78
52) Acenaphthene	14.556	154	39447	4.476	ng		97
53) 3-Nitroaniline	14.385	138	6299	7.833	ng	#	71
54) 2,4-Dinitrophenol	14.597	184	1029	5.682	ng		83
55) Dibenzofuran	14.890	168	61767	4.317	ng		97
56) 4-Nitrophenol	14.685	139	5663	11.026	ng		95
57) 2,4-Dinitrotoluene	14.843	165	8543	8.447	ng	#	95
58) Fluorene	15.543	166	48234	4.361	ng		92
59) 2,3,4,6-Tetrachlorophenol	15.114	232	9312	8.104	ng	#	96
60) Diethylphthalate	15.319	149	46475	4.338	ng	#	97
61) 4-Chlorophenyl-phenyle...	15.543	204	23897	4.306	ng		99
62) 4-Nitroaniline	15.549	138	7733	6.904	ng		85
63) Azobenzene	15.831	77	52456	4.145	ng		96
65) 4,6-Dinitro-2-methylph...	15.607	198	2219	6.295	ng	#	78
66) n-Nitrosodiphenylamine	15.748	169	41217	4.194	ng		98
67) 4-Bromophenyl-phenylether	16.430	248	15966	4.526	ng		94
68) Hexachlorobenzene	16.541	284	18644	4.495	ng	#	82
69) Atrazine	16.694	200	15138	4.629	ng		96
70) Pentachlorophenol	16.888	266	7621	11.197	ng	#	78
71) Phenanthrene	17.276	178	83550	4.488	ng		99
72) Anthracene	17.370	178	78066	4.191	ng		99
73) Carbazole	17.634	167	76193	4.369	ng		98
74) Di-n-butylphthalate	18.216	149	80750	4.442	ng		100
75) Fluoranthene	19.285	202	101788	4.490	ng		99
77) Benzidine	19.467	184	23829	2.686	ng		98
78) Pyrene	19.650	202	122279	4.754	ng		98
80) Butylbenzylphthalate	20.554	149	30554	8.565	ng		98
81) Benzo(a)anthracene	21.453	228	122101	4.616	ng		96
82) 3,3'-Dichlorobenzidine	21.377	252	36197	4.394	ng		95
83) Chrysene	21.512	228	125486	4.767	ng		97
84) Bis(2-ethylhexyl)phtha...	21.395	149	50652	7.658	ng		98
85) Di-n-octyl phthalate	22.552	149	77483	9.754	ng		98
87) Indeno(1,2,3-cd)pyrene	27.893	276	128223	4.580	ng	#	91
88) Benzo(b)fluoranthene	23.539	252	110551	4.326	ng		96
89) Benzo(k)fluoranthene	23.604	252	120217	4.582	ng		96
90) Benzo(a)pyrene	24.344	252	103080	4.519	ng		99
91) Dibenzo(a,h)anthracene	27.958	278	104742	4.431	ng		98
92) Benzo(g,h,i)perylene	28.962	276	102198m	4.283	ng		

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

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