Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020525\
Data File : BG064001.D
Acq On : 5 Feb 2025 16:37
Operator : RC/JU
Sample : Q1168-01
Misc : LOD-MDL-SOIL 4PPM
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 05 17:43:59 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

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.871	152	60922	20.000	ng		0.00
21) Naphthalene-d8	10.662	136	251267	20.000	ng		0.00
39) Acenaphthene-d10	14.492	164	166395	20.000	ng		0.00
64) Phenanthrene-d10	17.236	188	388852	20.000	ng		0.00
76) Chrysene-d12	21.473	240	425199	20.000	ng		0.00
86) Perylene-d12	24.498	264	444927	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.456	112	451215	118.749	ng		0.00
7) Phenol-d6	7.031	99	611406	117.252	ng		0.00
23) Nitrobenzene-d5	9.022	82	408960	98.917	ng		0.00
42) 2,4,6-Tribromophenol	15.979	330	227457	119.691	ng		0.00
45) 2-Fluorobiphenyl	13.123	172	931669	85.787	ng		0.00
79) Terphenyl-d14	19.863	244	1725709	84.762	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.394	88	7950	4.405	ng		98
3) Pyridine	3.781	79	16632	3.413	ng	#	86
4) n-Nitrosodimethylamine	3.693	42	11554	4.124	ng	#	90
6) Aniline	7.201	93	22552	4.036	ng		97
8) 2-Chlorophenol	7.436	128	16586	4.284	ng		96
9) Benzaldehyde	7.013	77	17436	6.125	ng		96
10) Phenol	7.060	94	22614	4.120	ng		98
11) bis(2-Chloroethyl)ether	7.295	93	17822	4.032	ng		92
12) 1,3-Dichlorobenzene	7.765	146	18842	4.090	ng		97
13) 1,4-Dichlorobenzene	7.906	146	18883	4.058	ng		95
14) 1,2-Dichlorobenzene	8.223	146	18395	4.125	ng		95
15) Benzyl Alcohol	8.100	79	14914	3.826	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.394	45	37986	4.268	ng		96
17) 2-Methylphenol	8.306	107	13668	3.850	ng		93
18) Hexachloroethane	8.946	117	6378	4.165	ng		91
19) n-Nitroso-di-n-propyla...	8.670	70	14970	4.146	ng	#	97
20) 3+4-Methylphenols	8.629	107	17008	3.596	ng		91
22) Acetophenone	8.687	105	29381	4.256	ng	#	94
24) Nitrobenzene	9.064	77	20968	7.863	ng	#	95
25) Isophorone	9.586	82	37950	4.234	ng		99
26) 2-Nitrophenol	9.769	139	4256	7.658	ng		94
27) 2,4-Dimethylphenol	9.827	122	5220	2.025	ng	#	90
28) bis(2-Chloroethoxy)met...	10.068	93	22610	3.965	ng		99
29) 2,4-Dichlorophenol	10.297	162	12772	7.134	ng		98
30) 1,2,4-Trichlorobenzene	10.527	180	17566	4.147	ng		90
31) Naphthalene	10.709	128	57299	4.253	ng		99
32) Benzoic acid	9.892	122	2425m	7.425	ng		
33) 4-Chloroaniline	10.809	127	20787	4.027	ng		96
34) Hexachlorobutadiene	11.002	225	11911	4.416	ng		93
35) Caprolactam	11.543	113	4917	8.635	ng	#	79
36) 4-Chloro-3-methylphenol	11.931	107	18737	4.541	ng		87
37) 2-Methylnaphthalene	12.319	142	36631	3.902	ng		95
38) 1-Methylnaphthalene	12.536	142	35829m	3.857	ng		
40) 1,2,4,5-Tetrachloroben...	12.683	216	21635	4.409	ng		97
41) Hexachlorocyclopentadiene	12.671	237	2690	2.166	ng		86
43) 2,4,6-Trichlorophenol	12.918	196	9977	8.003	ng		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.988	196	10772	6.987	ng	#	81
46) 1,1'-Biphenyl	13.329	154	54676	4.316	ng		95
47) 2-Chloronaphthalene	13.370	162	39059	4.230	ng		92
48) 2-Nitroaniline	13.564	65	8424	8.060	ng		88
49) Acenaphthylene	14.210	152	60534	4.221	ng		100
50) Dimethylphthalate	13.952	163	45664	4.139	ng		98
51) 2,6-Dinitrotoluene	14.064	165	6758	7.773	ng	#	88
52) Acenaphthene	14.557	154	42896	4.459	ng		99
53) 3-Nitroaniline	14.381	138	7913	8.210	ng	#	86
54) 2,4-Dinitrophenol	14.592	184	1348	6.457	ng	#	85
55) Dibenzofuran	14.892	168	63924	4.092	ng		99
56) 4-Nitrophenol	14.686	139	7910	11.751	ng		88
57) 2,4-Dinitrotoluene	14.845	165	9425	8.485	ng	#	78
58) Fluorene	15.538	166	50959	4.220	ng		95
59) 2,3,4,6-Tetrachlorophenol	15.115	232	11051	8.356	ng		97
60) Diethylphthalate	15.321	149	50171	4.289	ng		99
61) 4-Chlorophenyl-phenyle...	15.538	204	26363	4.352	ng		91
62) 4-Nitroaniline	15.538	138	8529	6.934	ng		92
63) Azobenzene	15.832	77	53729	3.889	ng		99
65) 4,6-Dinitro-2-methylph...	15.609	198	2696	6.793	ng		87
66) n-Nitrosodiphenylamine	15.750	169	41180	3.820	ng		97
67) 4-Bromophenyl-phenylether	16.431	248	16256	4.200	ng		95
68) Hexachlorobenzene	16.543	284	19344	4.251	ng		97
69) Atrazine	16.696	200	15501	4.320	ng		97
70) Pentachlorophenol	16.884	266	9770	11.619	ng	#	84
71) Phenanthrene	17.277	178	87945	4.306	ng		99
72) Anthracene	17.366	178	79888	3.909	ng		95
73) Carbazole	17.630	167	79146	4.137	ng		98
74) Di-n-butylphthalate	18.212	149	87713	4.399	ng		99
75) Fluoranthene	19.287	202	102670	4.128	ng		97
78) Pyrene	19.645	202	131171	4.997	ng		98
80) Butylbenzylphthalate	20.556	149	33565	8.794	ng		95
81) Benzo(a)anthracene	21.449	228	117388	4.348	ng		98
82) 3,3'-Dichlorobenzidine	21.373	252	33832	4.024	ng		96
83) Chrysene	21.514	228	116340	4.330	ng		96
84) Bis(2-ethylhexyl)phtha...	21.396	149	57948	8.043	ng		94
85) Di-n-octyl phthalate	22.548	149	89441	10.122	ng		100
87) Indeno(1,2,3-cd)pyrene	27.906	276	124313	4.331	ng		99
88) Benzo(b)fluoranthene	23.541	252	111729	4.265	ng	#	96
89) Benzo(k)fluoranthene	23.605	252	110824	4.120	ng		99
90) Benzo(a)pyrene	24.351	252	101703	4.349	ng		96
91) Dibenzo(a,h)anthracene	27.959	278	102624	4.234	ng		97
92) Benzo(g,h,i)perylene	28.946	276	99101	4.050	ng		95

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

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