Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011025\
Data File : BG063945.D
Acq On : 10 Jan 2025 10:46
Operator : RC/JU
Sample : P1187-02
Misc : LOQ-SOIL-5PPM
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Quant Time: Jan 10 11:34:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 03 23:17:54 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.762	152	135466	20.000	ng		-0.03
21) Naphthalene-d8	10.559	136	534991	20.000	ng		#-0.02
39) Acenaphthene-d10	14.419	164	383311	20.000	ng		-0.02
64) Phenanthrene-d10	17.175	188	925992	20.000	ng		-0.02
76) Chrysene-d12	21.428	240	918646	20.000	ng		-0.03
86) Perylene-d12	24.431	264	954828	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.353	112	856024	100.681	ng		-0.04
7) Phenol-d6	6.951	99	1300372	105.720	ng		-0.03
23) Nitrobenzene-d5	8.925	82	976681	71.913	ng		-0.03
42) 2,4,6-Tribromophenol	15.917	330	444482	96.162	ng		-0.02
45) 2-Fluorobiphenyl	13.032	172	1898683	71.760	ng		-0.02
79) Terphenyl-d14	19.813	244	2970640	64.206	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.250	88	19437	4.348	ng		99
3) Pyridine	3.649	79	45713m	3.796	ng		
4) n-Nitrosodimethylamine	3.561	42	18616	4.045	ng	#	80
6) Aniline	7.092	93	58196	5.447	ng	#	87
8) 2-Chlorophenol	7.339	128	37460	4.532	ng		89
9) Benzaldehyde	6.904	77	44218	5.630	ng		94
10) Phenol	6.981	94	55951	4.369	ng		92
11) bis(2-Chloroethyl)ether	7.192	93	44087	4.391	ng		94
12) 1,3-Dichlorobenzene	7.656	146	43523	4.368	ng		96
13) 1,4-Dichlorobenzene	7.803	146	44066	4.425	ng		95
14) 1,2-Dichlorobenzene	8.115	146	44520	4.542	ng		97
15) Benzyl Alcohol	8.015	79	33682	3.816	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.285	45	65196	4.511	ng		98
17) 2-Methylphenol	8.226	107	32685	3.932	ng		95
18) Hexachloroethane	8.843	117	16539	4.282	ng		84
19) n-Nitroso-di-n-propyla...	8.567	70	38796	4.319	ng	#	95
20) 3+4-Methylphenols	8.549	107	43134	3.858	ng		95
22) Acetophenone	8.590	105	72292	4.500	ng	#	91
24) Nitrobenzene	8.966	77	58909	4.040	ng		99
25) Isophorone	9.484	82	102844	4.297	ng		98
26) 2-Nitrophenol	9.683	139	16670	3.603	ng		95
27) 2,4-Dimethylphenol	9.748	122	13920m	2.359	ng		
28) bis(2-Chloroethoxy)met...	9.971	93	58818	4.121	ng		99
29) 2,4-Dichlorophenol	10.224	162	33994	3.856	ng		94
30) 1,2,4-Trichlorobenzene	10.424	180	43665	4.095	ng		90
31) Naphthalene	10.606	128	128543	4.432	ng		98
32) Benzoic acid	10.006	122	6717m	1.702	ng		
33) 4-Chloroaniline	10.729	127	41201	4.376	ng	#	88
34) Hexachlorobutadiene	10.894	225	29311	4.010	ng		97
35) Caprolactam	11.464	113	11566m	3.973	ng		
36) 4-Chloro-3-methylphenol	11.869	107	36861	3.767	ng	#	90
37) 2-Methylnaphthalene	12.227	142	90291	4.431	ng		98
38) 1-Methylnaphthalene	12.445	142	87206	4.303	ng	#	96
40) 1,2,4,5-Tetrachloroben...	12.603	216	55704	4.331	ng		96
43) 2,4,6-Trichlorophenol	12.850	196	27305	3.605	ng		92
44) 2,4,5-Trichlorophenol	12.938	196	33935	3.992	ng		86

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.244	154	128830	4.605	ng		96
47) 2-Chloronaphthalene	13.285	162	98448	4.280	ng		96
48) 2-Nitroaniline	13.502	65	26549m	3.450	ng		
49) Acenaphthylene	14.137	152	157187	4.612	ng		99
50) Dimethylphthalate	13.873	163	114290	4.082	ng		98
51) 2,6-Dinitrotoluene	13.996	165	21975	3.524	ng	#	83
52) Acenaphthene	14.484	154	89825	4.311	ng		96
53) 3-Nitroaniline	14.331	138	20331	3.554	ng		87
54) 2,4-Dinitrophenol	14.572	184	3106m	8.820	ng		
55) Dibenzofuran	14.818	168	158413	4.380	ng		96
56) 4-Nitrophenol	14.677	139	10165	2.591	ng		94
57) 2,4-Dinitrotoluene	14.801	165	29902	3.416	ng		96
58) Fluorene	15.471	166	123712	4.402	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.059	232	29902m	3.986	ng		
60) Diethylphthalate	15.241	149	107603	3.899	ng		97
61) 4-Chlorophenyl-phenyle...	15.465	204	65318	4.287	ng		98
62) 4-Nitroaniline	15.494	138	21704m	3.649	ng		
63) Azobenzene	15.759	77	143726	4.117	ng		95
65) 4,6-Dinitro-2-methylph...	15.576	198	10467	2.168	ng		89
66) n-Nitrosodiphenylamine	15.682	169	103143	4.277	ng		98
67) 4-Bromophenyl-phenylether	16.364	248	41775	4.081	ng		97
68) Hexachlorobenzene	16.481	284	45779	3.917	ng	#	91
69) Atrazine	16.634	200	37918	4.905	ng		99
70) Pentachlorophenol	16.845	266	10349m	2.135	ng		
71) Phenanthrene	17.216	178	220702	4.582	ng		97
72) Anthracene	17.304	178	191945	4.094	ng		98
73) Carbazole	17.586	167	187337	4.326	ng		99
74) Di-n-butylphthalate	18.144	149	181829	3.769	ng		98
75) Fluoranthene	19.243	202	237667	3.910	ng		99
77) Benzidine	19.431	184	27580	2.146	ng		98
78) Pyrene	19.601	202	269517	4.277	ng		98
80) Butylbenzylphthalate	20.500	149	58909	3.030	ng		99
81) Benzo(a)anthracene	21.405	228	270440	4.401	ng		97
82) 3,3'-Dichlorobenzidine	21.334	252	68856	3.607	ng	#	97
83) Chrysene	21.469	228	273788	4.588	ng		95
84) Bis(2-ethylhexyl)phtha...	21.323	149	106072	3.568	ng	#	98
85) Di-n-octyl phthalate	22.451	149	168687	3.257	ng		97
87) Indeno(1,2,3-cd)pyrene	27.821	276	271713	4.098	ng	#	65
88) Benzo(b)fluoranthene	23.479	252	241464m	4.045	ng		
89) Benzo(k)fluoranthene	23.544	252	274674	4.586	ng		100
90) Benzo(a)pyrene	24.290	252	231978	4.376	ng		95
91) Dibenzo(a,h)anthracene	27.868	278	217925	3.971	ng		98
92) Benzo(g,h,i)perylene	28.878	276	228244m	4.043	ng		

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

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