Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110424\
Data File : BG063152.D
Acq On : 4 Nov 2024 12:04
Operator : RC/JU
Sample : P4368-02
Misc : LOQ-SOIL 5 PPM
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 04 11:43:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG103124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 01 05:13:40 2024
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay
11/05/2024
Supervised By :mohammad ahmed
11/06/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.847	152	110490	20.000	ng		0.00
21) Naphthalene-d8	10.632	136	460110	20.000	ng	#	0.00
39) Acenaphthene-d10	14.475	164	340534	20.000	ng		0.00
64) Phenanthrene-d10	17.224	188	849679	20.000	ng		0.00
76) Chrysene-d12	21.478	240	1058119	20.000	ng		0.00
86) Perylene-d12	24.504	264	1173672	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.432	112	776958	109.039	ng		0.00
7) Phenol-d6	7.019	99	1054192	112.899	ng		0.00
23) Nitrobenzene-d5	8.999	82	823552	77.848	ng		0.00
42) 2,4,6-Tribromophenol	15.967	330	628872	108.718	ng		0.00
45) 2-Fluorobiphenyl	13.094	172	1834453	79.787	ng		0.00
79) Terphenyl-d14	19.857	244	3887493	75.605	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.358	88	14221	5.079	ng		94
3) Pyridine	3.746	79	30564	4.522	ng		94
4) n-Nitrosodimethylamine	3.664	42	21339	5.083	ng		98
6) Aniline	7.171	93	52180	6.214	ng		92
8) 2-Chlorophenol	7.412	128	32228	4.870	ng		88
9) Benzaldehyde	6.989	77	39507	6.809	ng		87
10) Phenol	7.042	94	47823	4.781	ng		96
11) bis(2-Chloroethyl)ether	7.271	93	32335	4.793	ng		90
12) 1,3-Dichlorobenzene	7.730	146	34495	4.297	ng		93
13) 1,4-Dichlorobenzene	7.882	146	37940	4.636	ng		98
14) 1,2-Dichlorobenzene	8.194	146	35292	4.473	ng		94
15) Benzyl Alcohol	8.076	79	35304	4.705	ng		88
16) 2,2'-oxybis(1-Chloropr...	8.358	45	64182	5.245	ng		98
17) 2-Methylphenol	8.288	107	27815	4.371	ng		94
18) Hexachloroethane	8.916	117	14272	4.873	ng		83
19) n-Nitroso-di-n-propyla...	8.640	70	32649	5.021	ng	#	82
20) 3+4-Methylphenols	8.617	107	37716	4.444	ng	#	84
22) Acetophenone	8.658	105	57717	4.681	ng	#	84
24) Nitrobenzene	9.034	77	54758	4.787	ng		98
25) Isophorone	9.557	82	88225	4.821	ng	#	95
26) 2-Nitrophenol	9.751	139	18344	4.360	ng	#	72
27) 2,4-Dimethylphenol	9.810	122	22600	4.370	ng		93
28) bis(2-Chloroethoxy)met...	10.045	93	46872	4.885	ng		98
29) 2,4-Dichlorophenol	10.280	162	33959	4.347	ng		95
30) 1,2,4-Trichlorobenzene	10.503	180	44253	4.606	ng	#	85
31) Naphthalene	10.679	128	116824	4.813	ng	#	94
33) 4-Chloroaniline	10.791	127	40952	5.000	ng	#	89
34) Hexachlorobutadiene	10.973	225	31854	4.028	ng		91
35) Caprolactam	11.537	113	11393	4.567	ng		92
36) 4-Chloro-3-methylphenol	11.919	107	36892	4.099	ng		96
37) 2-Methylnaphthalene	12.295	142	75958	4.412	ng		97
38) 1-Methylnaphthalene	12.512	142	70303	4.148	ng		99
40) 1,2,4,5-Tetrachloroben...	12.665	216	58891	4.813	ng		95
41) Hexachlorocyclopentadiene	12.647	237	9160	2.304	ng		91
43) 2,4,6-Trichlorophenol	12.906	196	30167m	4.118	ng		
44) 2,4,5-Trichlorophenol	12.988	196	34298	4.258	ng		91

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.305	154	113412	4.907	ng		99
47) 2-Chloronaphthalene	13.347	162	86066	4.446	ng		99
48) 2-Nitroaniline	13.552	65	27406	4.034	ng	#	83
49) Acenaphthylene	14.193	152	137290	5.024	ng		97
50) Dimethylphthalate	13.928	163	108062	4.452	ng	#	99
51) 2,6-Dinitrotoluene	14.052	165	22056	4.256	ng	#	88
52) Acenaphthene	14.539	154	76151	4.501	ng	#	78
53) 3-Nitroaniline	14.375	138	23358	4.748	ng	#	78
55) Dibenzofuran	14.874	168	145151	4.866	ng		99
56) 4-Nitrophenol	14.704	139	13778m	3.699	ng		
57) 2,4-Dinitrotoluene	14.839	165	31115	4.198	ng	#	83
58) Fluorene	15.526	166	110876	4.690	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.109	232	33109	4.283	ng		96
60) Diethylphthalate	15.297	149	116883	4.690	ng		93
61) 4-Chlorophenyl-phenyle...	15.521	204	65845	4.481	ng		98
62) 4-Nitroaniline	15.550	138	24998	4.605	ng	#	62
63) Azobenzene	15.814	77	119856	4.650	ng		93
65) 4,6-Dinitro-2-methylph...	15.615	198	16605	3.040	ng		77
66) n-Nitrosodiphenylamine	15.732	169	97850	4.616	ng		92
67) 4-Bromophenyl-phenylether	16.419	248	45118	4.333	ng	#	93
68) Hexachlorobenzene	16.537	284	54623	4.528	ng		96
69) Atrazine	16.684	200	45104	4.629	ng		94
70) Pentachlorophenol	16.884	266	12054	2.008	ng	#	78
71) Phenanthrene	17.266	178	198624	4.822	ng		97
72) Anthracene	17.354	178	187272	4.632	ng		98
73) Carbazole	17.630	167	177325	4.659	ng		99
74) Di-n-butylphthalate	18.194	149	201924	4.673	ng		98
75) Fluoranthene	19.287	202	265300	4.550	ng		98
77) Benzidine	19.469	184	112974	6.930	ng	#	94
78) Pyrene	19.651	202	292180	4.658	ng		98
80) Butylbenzylphthalate	20.544	149	87203	4.315	ng		96
81) Benzo(a)anthracene	21.455	228	326603	4.902	ng		98
82) 3,3'-Dichlorobenzidine	21.378	252	114348	4.629	ng	#	98
83) Chrysene	21.519	228	301413	4.815	ng		99
84) Bis(2-ethylhexyl)phtha...	21.372	149	132480	4.519	ng	#	88
85) Di-n-octyl phthalate	22.518	149	219416	4.473	ng		100
87) Indeno(1,2,3-cd)pyrene	27.906	276	374324	4.752	ng	#	89
88) Benzo(b)fluoranthene	23.546	252	305203	4.460	ng		97
89) Benzo(k)fluoranthene	23.611	252	322994	4.948	ng		100
90) Benzo(a)pyrene	24.363	252	290359	4.861	ng		96
91) Dibenzo(a,h)anthracene	27.976	278	308165	4.687	ng	#	96
92) Benzo(g,h,i)perylene	28.975	276	282666	4.349	ng		93

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

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