Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013023\
Data File : BG056475.D
Acq On : 30 Jan 2023 18:37
Operator : CG/JU
Sample : N3980-01
Misc : LOD-MDL-SOIL 4ppm
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 31 03:04:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 28 00:39:13 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/31/2023
Supervised By :Jagrut Upadhyay 01/31/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.276	152	27632	20.000	ng		# 0.00
21) Naphthalene-d8	11.108	136	108389	20.000	ng		0.00
39) Acenaphthene-d10	14.898	164	92980	20.000	ng		0.00
64) Phenanthrene-d10	17.636	188	252372	20.000	ng		0.00
76) Chrysene-d12	21.919	240	253333	20.000	ng		-0.01
86) Perylene-d12	25.338	264	276894	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.796	112	172464	114.817	ng		0.00
7) Phenol-d6	7.418	99	243170	109.261	ng		0.00
23) Nitrobenzene-d5	9.451	82	141345	74.051	ng		0.00
42) 2,4,6-Tribromophenol	16.378	330	145808	117.957	ng		0.00
45) 2-Fluorobiphenyl	13.523	172	507357	75.652	ng		0.00
79) Terphenyl-d14	20.209	244	1060784	73.544	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.599	88	2595	4.149	ng		94
3) Pyridine	4.034	79	6536	3.506	ng	#	91
4) n-Nitrosodimethylamine	3.934	42	1413	3.564	ng	#	87
6) Aniline	7.594	93	10587	3.633	ng	#	92
8) 2-Chlorophenol	7.841	128	5774	3.499	ng		97
9) Benzaldehyde	7.406	77	5294	3.686	ng		90
10) Phenol	7.447	94	7924	3.503	ng		89
11) bis(2-Chloroethyl)ether	7.682	93	5988	3.851	ng		97
12) 1,3-Dichlorobenzene	8.164	146	7703	4.054	ng		94
13) 1,4-Dichlorobenzene	8.317	146	8073	4.196	ng		96
14) 1,2-Dichlorobenzene	8.640	146	7571	4.056	ng		98
15) Benzyl Alcohol	8.511	79	5165	3.382	ng		87
16) 2,2'-oxybis(1-Chloropr...	8.793	45	1230	3.734	ng		95
17) 2-Methylphenol	8.717	107	5252	3.052	ng		90
18) Hexachloroethane	9.375	117	2438	4.189	ng		93
19) n-Nitroso-di-n-propyla...	9.075	70	4924	3.839	ng		96
20) 3+4-Methylphenols	9.046	107	8302	3.442	ng		94
22) Acetophenone	9.104	105	11476	3.985	ng	#	92
24) Nitrobenzene	9.498	77	7447m	4.045	ng		
25) Isophorone	10.015	82	14505	3.684	ng	#	97
26) 2-Nitrophenol	10.221	139	3913	3.503	ng		94
27) 2,4-Dimethylphenol	10.256	122	6232	3.333	ng		97
28) bis(2-Chloroethoxy)met...	10.491	93	8153	3.748	ng	#	93
29) 2,4-Dichlorophenol	10.761	162	7118	3.382	ng		93
30) 1,2,4-Trichlorobenzene	10.973	180	9257	3.959	ng		93
31) Naphthalene	11.161	128	21628	3.781	ng		97
33) 4-Chloroaniline	11.267	127	9467	3.545	ng		95
34) Hexachlorobutadiene	11.437	225	6371	3.881	ng		95
35) Caprolactam	12.001	113	2514	3.542	ng		94
36) 4-Chloro-3-methylphenol	12.365	107	7458	3.670	ng		96
37) 2-Methylnaphthalene	12.747	142	17055m	3.616	ng		
38) 1-Methylnaphthalene	12.965	142	16381m	3.719	ng		
40) 1,2,4,5-Tetrachloroben...	13.106	216	13503	3.975	ng		97
41) Hexachlorocyclopentadiene	13.076	237	2031	7.410	ng		82
43) 2,4,6-Trichlorophenol	13.346	196	7443	3.400	ng		84
44) 2,4,5-Trichlorophenol	13.423	196	8512	3.321	ng	#	92

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.734	154	26376	3.911	ng		97
47) 2-Chloronaphthalene	13.787	162	20903	3.965	ng		96
48) 2-Nitroaniline	13.975	65	3686	3.383	ng	#	80
49) Acenaphthylene	14.621	152	32383	3.776	ng		96
50) Dimethylphthalate	14.328	163	28899	3.842	ng		99
51) 2,6-Dinitrotoluene	14.463	165	6144	3.745	ng		98
52) Acenaphthene	14.962	154	19396	3.814	ng		95
53) 3-Nitroaniline	14.798	138	5837	3.670	ng		93
55) Dibenzofuran	15.291	168	35467	3.888	ng		98
56) 4-Nitrophenol	15.115	139	2906	2.674	ng	#	86
57) 2,4-Dinitrotoluene	15.250	165	8898	3.851	ng		98
58) Fluorene	15.938	166	28783	3.966	ng		95
59) 2,3,4,6-Tetrachlorophenol	15.520	232	6994	3.069	ng	#	97
60) Diethylphthalate	15.679	149	28083	3.976	ng		98
61) 4-Chlorophenyl-phenyle...	15.914	204	16651	3.760	ng		97
62) 4-Nitroaniline	15.955	138	6169	3.877	ng		89
63) Azobenzene	16.214	77	19299	3.971	ng		97
65) 4,6-Dinitro-2-methylph...	16.020	198	4369	2.462	ng		94
66) n-Nitrosodiphenylamine	16.131	169	26406	3.696	ng		97
67) 4-Bromophenyl-phenylether	16.813	248	11781	3.646	ng	#	93
68) Hexachlorobenzene	16.942	284	12473	3.942	ng		92
69) Atrazine	17.060	200	11455	4.155	ng		95
71) Phenanthrene	17.677	178	51281	3.882	ng		98
72) Anthracene	17.765	178	51702	3.813	ng		95
73) Carbazole	18.035	167	45239	3.917	ng		96
74) Di-n-butylphthalate	18.558	149	44134	3.640	ng		97
75) Fluoranthene	19.668	202	65819	3.948	ng		97
77) Benzidine	19.839	184	36582	5.336	ng		100
78) Pyrene	20.027	202	66177	3.673	ng		99
80) Butylbenzylphthalate	20.885	149	20071	3.648	ng		96
81) Benzo(a)anthracene	21.901	228	67492	3.811	ng		97
82) 3,3'-Dichlorobenzidine	21.801	252	28481	4.466	ng		92
83) Chrysene	21.972	228	62606	3.763	ng		96
84) Bis(2-ethylhexyl)phtha...	21.760	149	28048	3.555	ng		95
85) Di-n-octyl phthalate	23.029	149	47295	3.600	ng		99
87) Indeno(1,2,3-cd)pyrene	29.269	276	74038	3.653	ng	#	96
88) Benzo(b)fluoranthene	24.245	252	67827m	3.947	ng		
89) Benzo(k)fluoranthene	24.316	252	67544	3.893	ng		100
90) Benzo(a)pyrene	25.180	252	61135	3.611	ng	#	98
91) Dibenzo(a,h)anthracene	29.328	278	65399	3.844	ng		94
92) Benzo(g,h,i)perylene	30.503	276	62535	3.809	ng		94

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

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