Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102820\
Data File : BG047104.D
Acq On : 28 Oct 2020 12:04
Operator : CG/JU
Sample : L4214-03
Misc : MDL-MDL-SOIL 4PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2020

Manual Integrations APPROVED
mohammad
10/29/2020 10:43:43 AM

Quant Time: Oct 28 12:54:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 12:53:38 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.056	152	39905	20.00	ng		0.00
21) Naphthalene-d8	10.871	136	147067	20.00	ng		# 0.00
39) Acenaphthene-d10	14.684	164	102309	20.00	ng		0.00
64) Phenanthrene-d10	17.434	188	263460	20.00	ng		# 0.00
76) Chrysene-d12	21.699	240	351042	20.00	ng		# 0.00
86) Perylene-d12	24.937	264	351991	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.612	112	374046	166.16	ng		0.00
7) Phenol-d6	7.210	99	516371	158.62	ng		0.00
23) Nitrobenzene-d5	9.220	82	377042	122.77	ng		0.00
42) 2,4,6-Tribromophenol	16.176	330	274180	167.20	ng		0.00
45) 2-Fluorobiphenyl	13.315	172	904114	124.94	ng		0.00
79) Terphenyl-d14	20.042	244	2017289	111.74	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.503	88	5105	5.02	ng		93
3) Pyridine	3.908	79	11838	4.29	ng	#	86
4) n-Nitrosodimethylamine	3.820	42	6967	4.76	ng	#	64
6) Aniline	7.375	93	17563	4.56	ng		93
8) 2-Chlorophenol	7.622	128	10694	4.47	ng		89
9) Benzaldehyde	7.187	77	12397	6.80	ng		86
10) Phenol	7.240	94	13544	4.41	ng		78
11) bis(2-Chloroethyl)ether	7.469	93	11688	4.83	ng		92
12) 1,3-Dichlorobenzene	7.945	146	13168	4.32	ng	#	87
13) 1,4-Dichlorobenzene	8.086	146	12483	4.05	ng		91
14) 1,2-Dichlorobenzene	8.409	146	12042	4.13	ng		99
15) Benzyl Alcohol	8.291	79	10637	4.19	ng		90
16) 2,2'-oxybis(1-Chloropr...	8.568	45	16274	4.25	ng		95
17) 2-Methylphenol	8.491	107	8674	4.10	ng	#	90
18) Hexachloroethane	9.149	117	5093	4.42	ng	#	79
19) n-Nitroso-di-n-propyla...	8.850	70	9008	4.06	ng	#	98
20) 3+4-Methylphenols	8.826	107	12215	4.29	ng		93
22) Acetophenone	8.879	105	18516	4.67	ng	#	95
24) Nitrobenzene	9.267	77	15085	4.73	ng	#	82
25) Isophorone	9.784	82	26016	4.74	ng		99
26) 2-Nitrophenol	9.978	139	5588	4.04	ng	#	93
27) 2,4-Dimethylphenol	10.031	122	8773	4.64	ng	#	79
28) bis(2-Chloroethoxy)met...	10.266	93	14126	4.16	ng	#	91
29) 2,4-Dichlorophenol	10.512	162	10378	3.99	ng		99
30) 1,2,4-Trichlorobenzene	10.730	180	14247	4.44	ng		90
31) Naphthalene	10.918	128	35878	4.66	ng		99
33) 4-Chloroaniline	11.029	127	12602	3.77	ng		97
34) Hexachlorobutadiene	11.206	225	10695	4.45	ng		86
35) Caprolactam	11.764	113	3358	3.88	ng		91
36) 4-Chloro-3-methylphenol	12.134	107	10370	3.84	ng		96
37) 2-Methylnaphthalene	12.522	142	25630	4.29	ng	#	89
38) 1-Methylnaphthalene	12.739	142	25702m	4.54	ng		
40) 1,2,4,5-Tetrachloroben...	12.886	216	18389	4.92	ng		99
41) Hexachlorocyclopentadiene	12.868	237	7903	3.87	ng		94
43) 2,4,6-Trichlorophenol	13.127	196	9484	3.89	ng		97
44) 2,4,5-Trichlorophenol	13.198	196	9905	4.00	ng		93

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.521	154	35270	4.55	ng		93
47) 2-Chloronaphthalene	13.568	162	28541	4.48	ng	#	91
48) 2-Nitroaniline	13.767	65	7750	3.73	ng	#	76
49) Acenaphthylene	14.414	152	40244	4.35	ng		100
50) Dimethylphthalate	14.132	163	37806	4.49	ng		99
51) 2,6-Dinitrotoluene	14.249	165	6965	3.96	ng	#	45
52) Acenaphthene	14.755	154	27956	4.63	ng		95
53) 3-Nitroaniline	14.584	138	6009	3.44	ng	#	99
55) Dibenzofuran	15.084	168	45484	4.69	ng		97
56) 4-Nitrophenol	14.890	139	4359	3.19	ng	#	87
57) 2,4-Dinitrotoluene	15.042	165	10335	4.09	ng	#	81
58) Fluorene	15.730	166	34929	4.46	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.313	232	10602	4.03	ng	#	95
60) Diethylphthalate	15.495	149	38291	4.56	ng		95
61) 4-Chlorophenyl-phenyle...	15.724	204	21417	4.59	ng		95
62) 4-Nitroaniline	15.742	138	6767	3.61	ng		90
63) Azobenzene	16.018	77	35224	4.72	ng		89
65) 4,6-Dinitro-2-methylph...	15.812	198	5367	3.31	ng		89
66) n-Nitrosodiphenylamine	15.935	169	34041	4.50	ng		93
67) 4-Bromophenyl-phenylether	16.617	248	13343	3.85	ng	#	92
68) Hexachlorobenzene	16.735	284	15808	4.32	ng		93
69) Atrazine	16.876	200	13789	4.43	ng		97
70) Pentachlorophenol	17.093	266	6476	3.04	ng		89
71) Phenanthrene	17.475	178	63991	4.55	ng		92
72) Anthracene	17.569	178	64581	4.68	ng		96
73) Carbazole	17.833	167	54793	4.47	ng		98
74) Di-n-butylphthalate	18.386	149	72703	4.80	ng		97
75) Fluoranthene	19.478	202	88582	4.90	ng		95
77) Benzidine	19.661	184	31118	3.88	ng	#	93
78) Pyrene	19.843	202	95626	4.27	ng		97
80) Butylbenzylphthalate	20.718	149	31766	3.70	ng	#	87
81) Benzo(a)anthracene	21.682	228	102953	4.48	ng		95
82) 3,3'-Dichlorobenzidine	21.594	252	33840	4.06	ng	#	98
83) Chrysene	21.746	228	97958	4.47	ng		96
84) Bis(2-ethylhexyl)phtha...	21.582	149	47519	3.93	ng	#	90
85) Di-n-octyl phthalate	22.792	149	83461	4.11	ng	#	98
87) Indeno(1,2,3-cd)pyrene	28.609	276	107134	4.17	ng	#	86
88) Benzo(b)fluoranthene	23.897	252	97157	4.22	ng	#	96
89) Benzo(k)fluoranthene	23.967	252	96372	4.31	ng	#	95
90) Benzo(a)pyrene	24.778	252	86814	4.04	ng	#	97
91) Dibenzo(a,h)anthracene	28.674	278	89028	4.27	ng	#	91
92) Benzo(g,h,i)perylene	29.749	276	87945	4.24	ng	#	92

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

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