Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072221\
Data File : BG049406.D
Acq On : 22 Jul 2021 9:42
Operator : CG/JU
Sample : M2940-01
Misc : LOD-MDL-SOIL 4ppm
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2021

Manual Integrations APPROVED
mohammad
7/23/2021 11:50:26 AM

Quant Time: Jul 22 11:00:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 10:56:49 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.051	152	22579	20.00	ng		# 0.00
21) Naphthalene-d8	10.870	136	86436	20.00	ng		# 0.00
39) Acenaphthene-d10	14.700	164	58943	20.00	ng		0.00
64) Phenanthrene-d10	17.450	188	126456	20.00	ng		# 0.00
76) Chrysene-d12	21.732	240	143752	20.00	ng		0.00
86) Perylene-d12	25.010	264	149433	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.601	112	146631	110.18	ng		0.00
7) Phenol-d6	7.205	99	207449	107.03	ng		0.00
23) Nitrobenzene-d5	9.220	82	121562	63.01	ng		0.00
42) 2,4,6-Tribromophenol	16.193	330	89831	113.80	ng		0.00
45) 2-Fluorobiphenyl	13.320	172	253321	61.84	ng		0.00
79) Terphenyl-d14	20.058	244	435998	59.23	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.486	88	3377	5.60	ng	#	74
3) Pyridine	3.903	79	4793m	3.12	ng		
4) n-Nitrosodimethylamine	3.815	42	2993	3.97	ng	#	83
6) Aniline	7.369	93	9270	4.42	ng	#	82
8) 2-Chlorophenol	7.610	128	5624	4.12	ng		82
9) Benzaldehyde	7.193	77	6310	4.90	ng		89
10) Phenol	7.234	94	6867	3.72	ng		87
11) bis(2-Chloroethyl)ether	7.463	93	5419	4.28	ng		85
12) 1,3-Dichlorobenzene	7.945	146	6655	4.12	ng		91
13) 1,4-Dichlorobenzene	8.092	146	5362	3.34	ng		91
14) 1,2-Dichlorobenzene	8.409	146	6457m	4.16	ng		
15) Benzyl Alcohol	8.291	79	5565	3.51	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.573	45	6004	4.06	ng		89
17) 2-Methylphenol	8.491	107	4501	3.66	ng	#	84
18) Hexachloroethane	9.149	117	2449	3.92	ng	#	85
19) n-Nitroso-di-n-propyla...	8.855	70	5019	3.94	ng	#	90
20) 3+4-Methylphenols	8.826	107	6476	3.84	ng		96
22) Acetophenone	8.879	105	9763	4.22	ng	#	97
24) Nitrobenzene	9.261	77	8217	4.06	ng		98
25) Isophorone	9.784	82	12812	3.75	ng	#	93
26) 2-Nitrophenol	9.977	139	2577	3.50	ng		94
27) 2,4-Dimethylphenol	10.036	122	4797	4.08	ng	#	79
28) bis(2-Chloroethoxy)met...	10.271	93	5994	3.93	ng	#	85
29) 2,4-Dichlorophenol	10.518	162	4705	3.45	ng		91
30) 1,2,4-Trichlorobenzene	10.729	180	6175	4.01	ng	#	84
31) Naphthalene	10.923	128	18566	4.07	ng		99
32) Benzoic acid	10.160	122	474m	0.61	ng		
33) 4-Chloroaniline	11.041	127	6760	3.89	ng	#	86
34) Hexachlorobutadiene	11.205	225	4318	3.91	ng		88
35) Caprolactam	11.793	113	1311	3.10	ng	#	53
36) 4-Chloro-3-methylphenol	12.151	107	5624	3.50	ng	#	81
37) 2-Methylnaphthalene	12.533	142	13408	4.03	ng		92
38) 1-Methylnaphthalene	12.750	142	12538	3.94	ng		92
40) 1,2,4,5-Tetrachloroben...	12.891	216	6802	3.90	ng		94
41) Hexachlorocyclopentadiene	12.874	237	2232	2.87	ng		84
43) 2,4,6-Trichlorophenol	13.132	196	3421	3.01	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.208	196	3835	3.12	ng		93
46) 1,1'-Biphenyl	13.531	154	17990	4.16	ng		91
47) 2-Chloronaphthalene	13.578	162	12475	3.76	ng	#	87
48) 2-Nitroaniline	13.778	65	4447	3.85	ng		89
49) Acenaphthylene	14.419	152	21042	3.91	ng		94
50) Dimethylphthalate	14.148	163	17355	4.05	ng	#	98
51) 2,6-Dinitrotoluene	14.278	165	3257	3.50	ng	#	78
52) Acenaphthene	14.765	154	13351	4.11	ng		88
53) 3-Nitroaniline	14.601	138	3175	3.41	ng	#	99
54) 2,4-Dinitrophenol	14.818	184	57	0.15	ng	#	8
55) Dibenzofuran	15.100	168	19163	3.68	ng	#	91
56) 4-Nitrophenol	14.930	139	1750	2.38	ng	#	34
57) 2,4-Dinitrotoluene	15.059	165	4771	3.71	ng	#	87
58) Fluorene	15.746	166	15935	3.77	ng		85
59) 2,3,4,6-Tetrachlorophenol	15.329	232	3580	3.18	ng	#	98
60) Diethylphthalate	15.505	149	17125	3.98	ng	#	92
61) 4-Chlorophenyl-phenyle...	15.740	204	8111	3.78	ng		93
62) 4-Nitroaniline	15.764	138	3092	3.15	ng		88
63) Azobenzene	16.034	77	18488	3.88	ng		83
65) 4,6-Dinitro-2-methylph...	15.828	198	1113	1.62	ng	#	61
66) n-Nitrosodiphenylamine	15.952	169	13720	3.78	ng		92
67) 4-Bromophenyl-phenylether	16.639	248	6195	4.33	ng		86
68) Hexachlorobenzene	16.757	284	6283	3.87	ng	#	91
69) Atrazine	16.898	200	5953	4.14	ng		95
70) Pentachlorophenol	17.103	266	972	1.33	ng	#	55
71) Phenanthrene	17.491	178	25428	3.74	ng		97
72) Anthracene	17.585	178	26529m	3.97	ng		
73) Carbazole	17.855	167	23777	3.74	ng		97
74) Di-n-butylphthalate	18.407	149	27432	3.79	ng	#	94
75) Fluoranthene	19.500	202	32716	3.87	ng		98
77) Benzidine	19.682	184	13721	3.45	ng		97
78) Pyrene	19.864	202	33014	3.50	ng		98
80) Butylbenzylphthalate	20.745	149	12096	3.53	ng		98
81) Benzo(a)anthracene	21.709	228	34477	3.79	ng		97
82) 3,3'-Dichlorobenzidine	21.626	252	12395	4.72	ng		90
83) Chrysene	21.779	228	31723	3.61	ng		95
84) Bis(2-ethylhexyl)phtha...	21.615	149	18120	3.52	ng	#	98
85) Di-n-octyl phthalate	22.842	149	33283	3.75	ng		99
87) Indeno(1,2,3-cd)pyrene	28.746	276	42519m	4.02	ng		
88) Benzo(b)fluoranthene	23.964	252	35451	3.68	ng	#	89
89) Benzo(k)fluoranthene	24.029	252	34207	3.82	ng	#	95
90) Benzo(a)pyrene	24.851	252	34358	3.94	ng		98
91) Dibenzo(a,h)anthracene	28.811	278	34946	3.93	ng	#	97
92) Benzo(g,h,i)perylene	29.927	276	34639	3.94	ng	#	85

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

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