Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062419\
Data File : BG041422.D
Acq On : 24 Jun 2019 13:02
Operator : HP/JU
Sample : K2241-03
Misc : MDL-SOIL-8PPM
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Manual Integrations APPROVED
mohammad
6/28/2019 8:24:24 AM

Quant Time: Jun 25 05:25:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 14:58:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	22486	20.00	ng		-0.04
21) Naphthalene-d8	10.86	136	83610	20.00	ng		-0.05
39) Acenaphthene-d10	14.68	164	62807	20.00	ng		-0.04
64) Phenanthrene-d10	17.43	188	174288	20.00	ng		-0.03
76) Chrysene-d12	21.70	240	192086	20.00	ng		-0.04
87) Perylene-d12	24.99	264	196760	20.00	ng		-0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.58	112	155832	127.34	ng		-0.04
7) Phenol-d6	7.19	99	224239	126.41	ng		-0.04
23) Nitrobenzene-d5	9.22	82	179920	90.50	ng		-0.04
42) 2,4,6-Tribromophenol	16.17	330	150018	155.58	ng		-0.03
45) 2-Fluorobiphenyl	13.31	172	439824	95.18	ng		-0.03
79) Terphenyl-d14	20.03	244	937088	96.68	ng		-0.03
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	5413m	8.821	ng		
3) Pyridine	3.86	79	9188m	5.644	ng		
4) n-Nitrosodimethylamine	3.78	42	5554m	6.397	ng		
6) Aniline	7.37	93	16099	6.529	ng		99
8) 2-Chlorophenol	7.60	128	10051	6.990	ng		93
9) Benzaldehyde	7.19	77	11784	10.386	ng		88
10) Phenol	7.22	94	12977	6.803	ng		91
11) bis(2-Chloroethyl)ether	7.46	93	10907	7.536	ng		89
12) 1,3-Dichlorobenzene	7.93	146	12320	6.843	ng		90
13) 1,4-Dichlorobenzene	8.08	146	13611	7.401	ng		94
14) 1,2-Dichlorobenzene	8.39	146	12303	7.004	ng		97
15) Benzyl Alcohol	8.30	79	6157	3.623	ng	#	79
16) 2,2'-oxybis(1-Chloropropan	8.56	45	15447	6.519	ng		87
17) 2-Methylphenol	8.49	107	10385	7.615	ng		93
18) Hexachloroethane	9.12	117	5256	7.212	ng		94
19) n-Nitroso-di-n-propylamine	8.85	70	10246	7.142	ng		91
20) 3+4-Methylphenols	8.82	107	11544	6.359	ng		95
22) Acetophenone	8.87	105	20449	8.405	ng	#	95
24) Nitrobenzene	9.27	77	17018	8.511	ng	#	91
25) Isophorone	9.77	82	28665	7.859	ng	#	96
26) 2-Nitrophenol	9.99	139	5638	6.955	ng		93
27) 2,4-Dimethylphenol	10.03	122	9850	8.107	ng		98
28) bis(2-Chloroethoxy)methane	10.27	93	13419	7.061	ng		98
29) 2,4-Dichlorophenol	10.53	162	10372	6.884	ng		96
30) 1,2,4-Trichlorobenzene	10.72	180	14614	7.574	ng		94
31) Naphthalene	10.91	128	36076	7.939	ng		98
33) 4-Chloroaniline	11.04	127	12480	6.467	ng	#	87
34) Hexachlorobutadiene	11.17	225	11752	7.673	ng		94
35) Caprolactam	11.82	113	3209	6.187	ng	#	58
36) 4-Chloro-3-methylphenol	12.15	107	12563	7.219	ng		91
37) 2-Methylnaphthalene	12.52	142	26745	7.991	ng		96
38) 1-Methylnaphthalene	12.74	142	26461	8.264	ng		90
40) 1,2,4,5-Tetrachlorobenzene	12.88	216	21900	8.444	ng	#	97
41) Hexachlorocyclopentadiene	12.84	237	9116	5.218	ng		94

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) 2,4,6-Trichlorophenol	13.21	196	10706	6.673	ng		95
44) 2,4,5-Trichlorophenol	13.21	196	10706	6.485	ng		96
46) 1,1'-Biphenyl	13.52	154	39401	8.298	ng		98
47) 2-Chloronaphthalene	13.56	162	29731	7.273	ng		93
48) 2-Nitroaniline	13.79	65	10837	7.238	ng		96
49) Acenaphthylene	14.41	152	49753	8.020	ng		96
50) Dimethylphthalate	14.13	163	43936	7.862	ng		96
51) 2,6-Dinitrotoluene	14.26	165	9234	7.837	ng		92
52) Acenaphthene	14.74	154	29301	8.044	ng		97
53) 3-Nitroaniline	14.62	138	7113	6.127	ng	#	95
54) 2,4-Dinitrophenol	14.84	184	2088	7.161	ng		99
55) Dibenzofuran	15.08	168	51757	8.172	ng		99
56) 4-Nitrophenol	14.93	139	3298	6.805	ng	#	82
57) 2,4-Dinitrotoluene	15.06	165	13857	8.045	ng	#	89
58) Fluorene	15.73	166	41453	8.320	ng		95
59) 2,3,4,6-Tetrachlorophenol	15.31	232	13699	8.025	ng	#	99
60) Diethylphthalate	15.48	149	45548	8.019	ng		97
61) 4-Chlorophenyl-phenylether	15.71	204	25702	7.929	ng		98
62) 4-Nitroaniline	15.77	138	7839m	6.313	ng		
63) Azobenzene	16.01	77	39897	7.873	ng		98
65) 4,6-Dinitro-2-methylphenol	15.83	198	6041	5.340	ng		92
66) n-Nitrosodiphenylamine	15.93	169	37093	8.015	ng		98
67) 4-Bromophenyl-phenylether	16.61	248	16186	7.182	ng		98
68) Hexachlorobenzene	16.72	284	18423	7.634	ng		97
69) Atrazine	16.87	200	15402	7.042	ng		98
70) Pentachlorophenol	17.09	266	3807	3.081	ng		88
71) Phenanthrene	17.47	178	76715	8.253	ng		96
72) Anthracene	17.56	178	78282	8.542	ng		98
73) Carbazole	17.84	167	65399	8.158	ng		97
74) Di-n-butylphthalate	18.36	149	78951	7.893	ng	#	96
75) Fluoranthene	19.48	202	103553	8.385	ng		98
77) Benzidine	19.67	184	32510	6.997	ng		98
78) Pyrene	19.84	202	107714	8.315	ng		98
80) Butylbenzylphthalate	20.70	149	37494	7.652	ng		92
81) Benzo(a)anthracene	21.68	228	102214	7.859	ng		98
82) 3,3'-Dichlorobenzidine	21.60	252	36076	7.902	ng		100
83) Chrysene	21.75	228	101488	8.114	ng		95
84) Bis(2-ethylhexyl)phthalate	21.55	149	51996	7.787	ng	#	97
85) Di-n-octyl phthalate	22.76	149	87393	7.736	ng		98
86) Indeno(1,2,3-cd)pyrene	28.75	276	110247	7.429	ng	#	78
88) Benzo(b)fluoranthene	23.93	252	95644	7.844	ng		99
89) Benzo(k)fluoranthene	24.00	252	96121	7.957	ng		99
90) Benzo(a)pyrene	24.83	252	93235	8.096	ng		99
91) Dibenzo(a,h)anthracene	28.80	278	91093	7.857	ng		97
92) Benzo(g,h,i)perylene	29.94	276	90015	7.856	ng	#	97

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

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