Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041519\
Data File : VN055050.D
Acq On : 15 Apr 2019 18:41
Operator : JC/SP
Sample : K2241-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2019

Manual Integrations APPROVED
MMDadoda
4/17/2019 2:06:12 PM

Quant Time: Apr 17 14:00:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 13:52:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	7.66	168	374842	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.58	114	625180	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.41	117	540225	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	172415	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.03	65	257334	51.65	ug/l		0.00
Spiked Amount 50.000			Recovery = 103.30%				
35) Dibromofluoromethane	7.59	113	203105	48.61	ug/l		0.00
Spiked Amount 50.000			Recovery = 97.22%				
50) Toluene-d8	10.09	98	745873	49.88	ug/l		0.00
Spiked Amount 50.000			Recovery = 99.76%				
62) 4-Bromofluorobenzene	12.40	95	225510	46.39	ug/l		0.00
Spiked Amount 50.000			Recovery = 92.78%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.85	85	8904	2.090	ug/l		99
3) Chloromethane	2.06	50	12946	2.330	ug/l		96
4) Vinyl Chloride	2.19	62	10378	2.222	ug/l		100
5) Bromomethane	2.54	94	7010	2.653	ug/l		89
6) Chloroethane	2.69	64	5731	2.276	ug/l		100
7) Trichlorofluoromethane	3.01	101	12589	2.155	ug/l		98
8) Diethyl Ether	3.41	74	4637	2.487	ug/l		91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	7452	2.438	ug/l		95
10) Methyl Iodide	3.94	142	43064	9.079	ug/l		99
11) Tert butyl alcohol	4.83	59	13142	48.119	ug/l	#	82
12) 1,1-Dichloroethene	3.73	96	6347	2.133	ug/l		84
13) Acrolein	3.60	56	18973	56.203	ug/l		100
14) Allyl chloride	4.31	41	14285	1.962	ug/l	#	75
15) Acrylonitrile	4.99	53	16084	9.843	ug/l	#	84
16) Acetone	3.81	43	15102	11.167	ug/l		96
17) Carbon Disulfide	4.03	76	19316	2.011	ug/l	#	95
18) Methyl Acetate	4.33	43	11241	2.590	ug/l		98
19) Methyl tert-butyl Ether	5.06	73	22976m	2.159	ug/l		
20) Methylene Chloride	4.55	84	11881	2.499	ug/l		94
21) trans-1,2-Dichloroethene	5.03	96	9092	2.260	ug/l		97
22) Diisopropyl ether	5.95	45	32402	2.164	ug/l	#	91
23) Vinyl Acetate	5.90	43	96446	9.747	ug/l		99
24) 1,1-Dichloroethane	5.85	63	17426	2.186	ug/l		98
25) 2-Butanone	6.85	43	19521	9.672	ug/l		100
26) 2,2-Dichloropropane	6.82	77	10612	2.109	ug/l		98
27) cis-1,2-Dichloroethene	6.83	96	10385	2.281	ug/l		93
28) Bromochloromethane	7.19	49	8923	2.322	ug/l		96
29) Tetrahydrofuran	7.22	42	14684	11.094	ug/l		98
30) Chloroform	7.37	83	17107	2.209	ug/l		99
31) Cyclohexane	7.66	56	23826	2.746	ug/l	#	52
32) 1,1,1-Trichloroethane	7.57	97	12968	2.114	ug/l		98
36) 1,1-Dichloropropene	7.79	75	11914	2.022	ug/l		99
37) Ethyl Acetate	6.94	43	8220m	1.713	ug/l		
38) Carbon Tetrachloride	7.77	117	11496	2.050	ug/l		94

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Methylcyclohexane	9.08	83	12860	2.014	ug/l		98
40) Benzene	8.04	78	37361	2.103	ug/l		97
41) Methacrylonitrile	7.18	41	4537	1.703	ug/l	#	80
42) 1,2-Dichloroethane	8.13	62	13426	2.177	ug/l		99
43) Isopropyl Acetate	8.17	43	14586	1.973	ug/l	#	94
44) Trichloroethene	8.83	130	8950	2.012	ug/l		92
45) 1,2-Dichloropropane	9.12	63	10772	2.175	ug/l		97
46) Dibromomethane	9.21	93	5847	2.074	ug/l		97
47) Bromodichloromethane	9.40	83	11430	1.966	ug/l		97
48) Methyl methacrylate	9.20	41	7224	1.971	ug/l	#	89
49) 1,4-Dioxane	9.20	88	1429m	41.624	ug/l		
51) 4-Methyl-2-Pentanone	9.99	43	41901	9.810	ug/l		98
52) Toluene	10.16	92	22268	2.189	ug/l		97
53) t-1,3-Dichloropropene	10.38	75	9402	1.851	ug/l		90
54) cis-1,3-Dichloropropene	9.84	75	11677	1.852	ug/l		92
55) 1,1,2-Trichloroethane	10.56	97	7996	2.040	ug/l		97
56) Ethyl methacrylate	10.43	69	9570	2.035	ug/l		96
57) 1,3-Dichloropropane	10.71	76	13511	2.025	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.69	63	15662	9.023	ug/l		96
59) 2-Hexanone	10.75	43	26106	9.731	ug/l		92
60) Dibromochloromethane	10.90	129	6813	1.780	ug/l		100
61) 1,2-Dibromoethane	11.01	107	7311	2.027	ug/l		99
64) Tetrachloroethene	10.63	164	9053	2.061	ug/l		95
65) Chlorobenzene	11.43	112	22556	2.074	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.51	131	8055	2.014	ug/l		88
67) Ethyl Benzene	11.51	91	38663	1.991	ug/l		99
68) m/p-Xylenes	11.62	106	29746	4.230	ug/l		93
69) o-Xylene	11.95	106	14539	2.135	ug/l		99
70) Styrene	11.96	104	20729	1.880	ug/l		95
71) Bromoform	12.13	173	3959	1.727	ug/l	#	97
73) Isopropylbenzene	12.25	105	37046	2.421	ug/l		100
74) N-amyl acetate	12.07	43	9940	2.308	ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.50	83	8980	2.194	ug/l		95
76) 1,2,3-Trichloropropane	12.55	75	7761m	2.503	ug/l		
77) Bromobenzene	12.53	156	8876	2.327	ug/l		96
78) n-propylbenzene	12.59	91	37912	2.294	ug/l		98
79) 2-Chlorotoluene	12.67	91	25481	2.471	ug/l		97
80) 1,3,5-Trimethylbenzene	12.73	105	29317	2.374	ug/l		100
81) trans-1,4-Dichloro-2-buten	12.30	75	1436m	1.852	ug/l		
82) 4-Chlorotoluene	12.77	91	22239	2.312	ug/l		99
83) tert-Butylbenzene	12.99	119	25827	2.477	ug/l		99
84) 1,2,4-Trimethylbenzene	13.04	105	25117	2.147	ug/l		97
85) sec-Butylbenzene	13.17	105	30042	2.261	ug/l		95
86) p-Isopropyltoluene	13.29	119	24582	2.157	ug/l		97
87) 1,3-Dichlorobenzene	13.28	146	14107	2.433	ug/l		92
88) 1,4-Dichlorobenzene	13.36	146	11775m	2.130	ug/l		
89) n-Butylbenzene	13.62	91	17909	2.116	ug/l		98
90) Hexachloroethane	13.87	117	3959	2.135	ug/l		96
91) 1,2-Dichlorobenzene	13.65	146	11733	2.011	ug/l		91
92) 1,2-Dibromo-3-Chloropropan	14.26	75	1045	2.073	ug/l		85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	4207	1.894	ug/l	87
94) Hexachlorobutadiene	15.01	225	4432	2.460	ug/l	90
95) Naphthalene	15.13	128	8218	1.664	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	4169	1.853	ug/l	96

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

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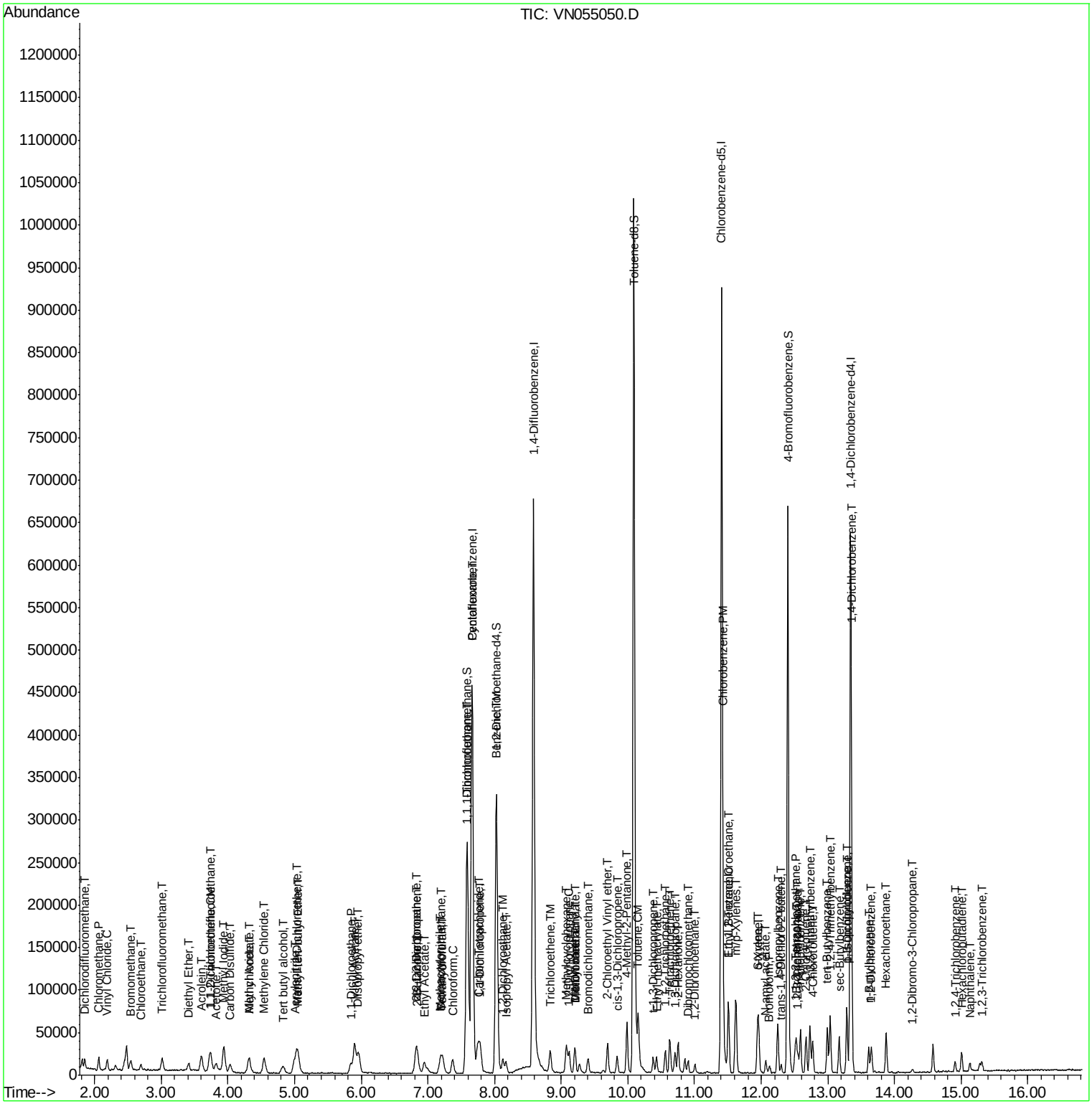
LOQ-WATER-02-QT2-2019

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