Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101921\
Data File : VD070747.D
Acq On : 19 Oct 2021 09:43
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : VSTDCCC050

Quant Time: Oct 20 04:38:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.979	168	451562	50.00	ug/l		0.00
34) 1,4-Difluorobenzene	8.861	114	704642	50.00	ug/l		0.00
63) Chlorobenzene-d5	11.637	117	673104	50.00	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	327358	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.326	65	244315	45.68	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.36%				
35) Dibromofluoromethane	7.908	113	229604	50.89	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.78%				
50) Toluene-d8	10.332	98	893811	51.68	ug/l		0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.36%				
62) 4-Bromofluorobenzene	12.620	95	309759	52.01	ug/l		0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.02%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.991	85	263510	49.91	ug/l		100
3) Chloromethane	2.208	50	377847	48.23	ug/l		98
4) Vinyl Chloride	2.350	62	388084	48.34	ug/l		100
5) Bromomethane	2.767	94	225474	46.06	ug/l		99
6) Chloroethane	2.926	64	248014	49.06	ug/l		93
7) Trichlorofluoromethane	3.273	101	443421	48.86	ug/l		95
8) Diethyl Ether	3.708	74	109020	45.09	ug/l		75
9) 1,1,2-Trichlorotrifluo...	4.091	101	273817	50.44	ug/l		100
10) Methyl Iodide	4.297	142	245164	43.97	ug/l		100
11) Tert butyl alcohol	5.214	59	61311	204.77	ug/l	#	85
12) 1,1-Dichloroethene	4.067	96	238115	48.51	ug/l		90
13) Acrolein	3.920	56	80084	276.35	ug/l		100
14) Allyl chloride	4.720	41	443462	47.73	ug/l	#	92
15) Acrylonitrile	5.414	53	296360	232.77	ug/l		99
16) Acetone	4.155	43	351613	272.57	ug/l		96
17) Carbon Disulfide	4.408	76	910218	50.89	ug/l		99
18) Methyl Acetate	4.708	43	200919	44.81	ug/l	#	87
19) Methyl tert-butyl Ether	5.479	73	521990	49.19	ug/l		99
20) Methylene Chloride	4.961	84	319448	49.14	ug/l	#	87
21) trans-1,2-Dichloroethene	5.473	96	292004	51.86	ug/l		96
22) Diisopropyl ether	6.361	45	943469	52.16	ug/l	#	92
23) Vinyl Acetate	6.302	43	2214012	232.22	ug/l	#	93
24) 1,1-Dichloroethane	6.261	63	550707	48.87	ug/l		100
25) 2-Butanone	7.208	43	397122	249.19	ug/l	#	85
26) 2,2-Dichloropropane	7.208	77	456751	51.25	ug/l		96
27) cis-1,2-Dichloroethene	7.208	96	298761	49.48	ug/l		89
28) Bromochloromethane	7.543	49	209244	46.70	ug/l		87
29) Tetrahydrofuran	7.561	42	234499	240.37	ug/l	#	84
30) Chloroform	7.702	83	544413	49.45	ug/l		98
31) Cyclohexane	7.985	56	540025	49.91	ug/l		88
32) 1,1,1-Trichloroethane	7.896	97	462898	49.56	ug/l		94
36) 1,1-Dichloropropene	8.108	75	427550	54.47	ug/l		98
37) Ethyl Acetate	7.285	43	170711	52.49	ug/l	#	94
38) Carbon Tetrachloride	8.090	117	417123	55.48	ug/l		99
39) Methylcyclohexane	9.349	83	490714	55.43	ug/l	#	87
40) Benzene	8.349	78	1203180	53.22	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.526	41	91736m	44.94	ug/l		
42) 1,2-Dichloroethane	8.420	62	330831	51.56	ug/l		97
43) Isopropyl Acetate	8.449	43	312156	50.32	ug/l	#	93
44) Trichloroethene	9.108	130	280399	52.82	ug/l		100
45) 1,2-Dichloropropane	9.384	63	325076	54.42	ug/l		98
46) Dibromomethane	9.473	93	147163	51.45	ug/l		95
47) Bromodichloromethane	9.655	83	392335	51.70	ug/l		99
48) Methyl methacrylate	9.449	41	162174	53.37	ug/l	#	84
49) 1,4-Dioxane	9.455	88	31242	1017.20	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.220	43	860637	263.20	ug/l		90
52) Toluene	10.396	92	748051	55.58	ug/l		99
53) t-1,3-Dichloropropene	10.614	75	356562	52.61	ug/l		99
54) cis-1,3-Dichloropropene	10.084	75	432755	53.34	ug/l	#	88
55) 1,1,2-Trichloroethane	10.790	97	203603	51.83	ug/l		94
56) Ethyl methacrylate	10.655	69	251083	47.23	ug/l	#	85
57) 1,3-Dichloropropane	10.937	76	367207	52.68	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.937	63	553227	267.38	ug/l		93
59) 2-Hexanone	10.979	43	650802	282.77	ug/l		88
60) Dibromochloromethane	11.131	129	240297	53.22	ug/l		99
61) 1,2-Dibromoethane	11.237	107	186137	51.79	ug/l		100
64) Tetrachloroethene	10.867	164	237708	52.56	ug/l		94
65) Chlorobenzene	11.661	112	712303	51.60	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.731	131	264788	51.84	ug/l		98
67) Ethyl Benzene	11.737	91	1385108	54.88	ug/l		98
68) m/p-Xylenes	11.849	106	1057756	110.62	ug/l		95
69) o-Xylene	12.173	106	467809	53.93	ug/l		95
70) Styrene	12.184	104	849243	56.32	ug/l		97
71) Bromoform	12.349	173	133206	50.22	ug/l	#	100
73) Isopropylbenzene	12.473	105	1270546	54.47	ug/l		100
74) N-amyl acetate	12.278	43	311218	51.25	ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	228542	49.53	ug/l		99
76) 1,2,3-Trichloropropane	12.773	75	155461m	54.97	ug/l		
77) Bromobenzene	12.749	156	275665	52.20	ug/l		100
78) n-propylbenzene	12.808	91	1690217	55.75	ug/l		98
79) 2-Chlorotoluene	12.896	91	941758	53.75	ug/l		98
80) 1,3,5-Trimethylbenzene	12.949	105	1100063	55.79	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.520	75	73034	56.56	ug/l		93
82) 4-Chlorotoluene	12.996	91	1001633	54.04	ug/l		99
83) tert-Butylbenzene	13.214	119	873814	53.62	ug/l		94
84) 1,2,4-Trimethylbenzene	13.261	105	1083793	55.28	ug/l		100
85) sec-Butylbenzene	13.390	105	1398724	54.62	ug/l		100
86) p-Isopropyltoluene	13.508	119	1141628	55.45	ug/l		98
87) 1,3-Dichlorobenzene	13.502	146	569999	51.40	ug/l		100
88) 1,4-Dichlorobenzene	13.584	146	558240	50.98	ug/l		98
89) n-Butylbenzene	13.831	91	1125055	54.15	ug/l		99
90) Hexachloroethane	14.102	117	226032	50.88	ug/l		92
91) 1,2-Dichlorobenzene	13.878	146	487555	51.44	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	35890	48.77	ug/l		90
93) 1,2,4-Trichlorobenzene	15.149	180	276280	50.96	ug/l		99
94) Hexachlorobutadiene	15.249	225	182999	51.48	ug/l		98
95) Naphthalene	15.384	128	464729	44.44	ug/l		99
96) 1,2,3-Trichlorobenzene	15.578	180	243215	50.49	ug/l		97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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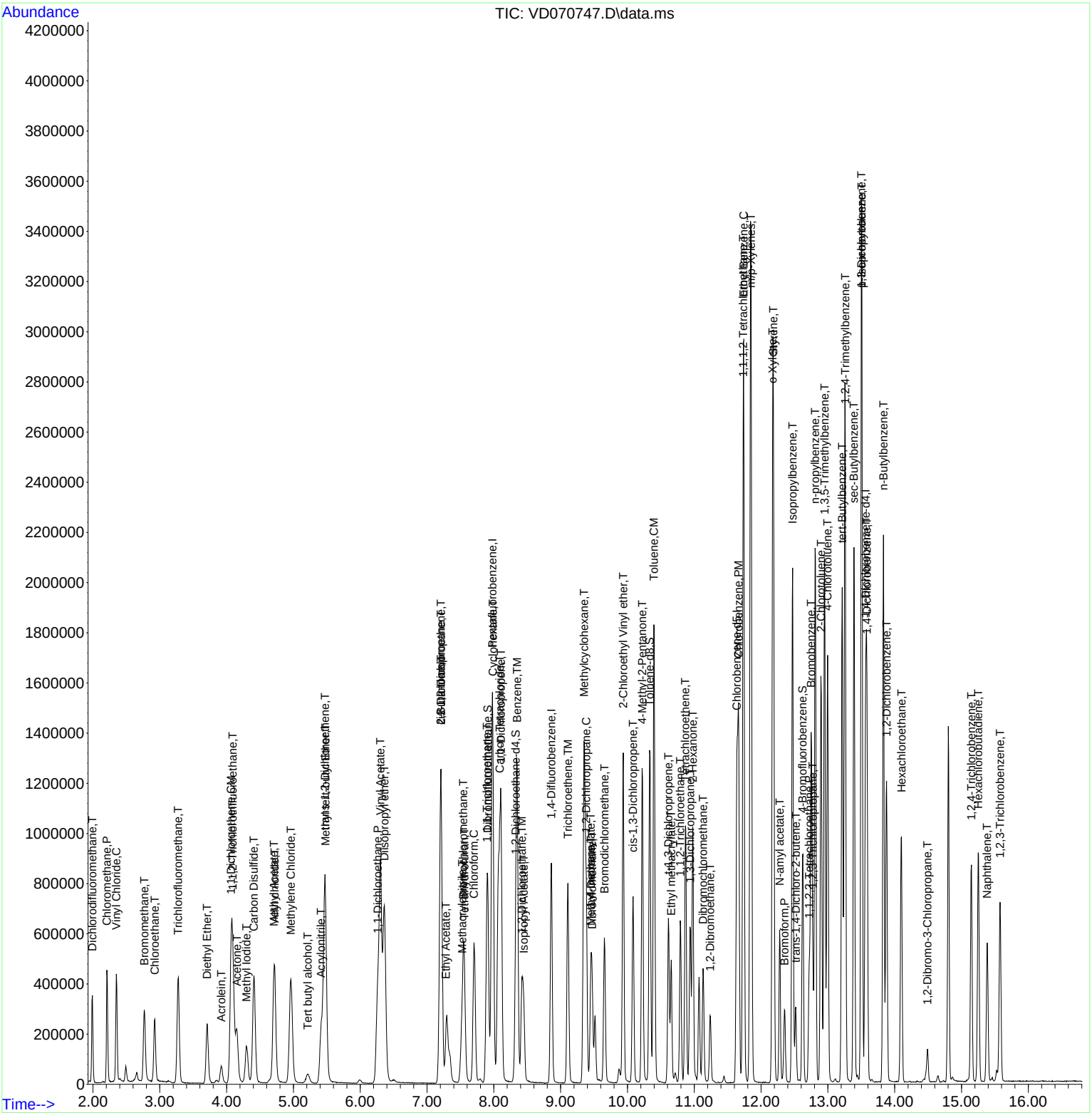
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