Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF102618\
Data File : VF060514.D
Acq On : 26 Oct 2018 11:01
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00/5mL/MSVOA_F/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : ICVVF102518

Manual Integrations APPROVED
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10/29/2018 12:11:54 PM

Quant Time: Oct 27 02:03:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 26 02:17:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Pentafluorobenzene	5.03	168	236315	50.00	ug/l		-0.02
34) 1,4-Difluorobenzene	5.76	114	378533	50.00	ug/l		-0.01
63) Chlorobenzene-d5	9.91	117	326397	50.00	ug/l		-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	183344	50.00	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.01	65	206987	44.07	ug/l		-0.01
Spiked Amount 50.000			Recovery = 88.14%				
35) Dibromofluoromethane	4.28	113	192994	42.53	ug/l		-0.01
Spiked Amount 50.000			Recovery = 85.06%				
50) Toluene-d8	7.70	98	453848	49.84	ug/l		-0.01
Spiked Amount 50.000			Recovery = 99.68%				
62) 4-Bromofluorobenzene	11.50	95	202354	39.90	ug/l		-0.01
Spiked Amount 50.000			Recovery = 79.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.99	85	217461	37.405	ug/l		89
3) Chloromethane	1.13	50	137628	46.088	ug/l	#	83
4) Vinyl Chloride	1.18	62	147127	42.687	ug/l		100
5) Bromomethane	1.36	94	129632	37.344	ug/l		93
6) Chloroethane	1.43	64	87513	40.961	ug/l		96
7) Trichlorofluoromethane	1.54	101	410252	37.186	ug/l		98
8) Diethyl Ether	1.69	74	47673	46.333	ug/l		90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	188379	40.311	ug/l		94
10) Methyl Iodide	1.96	142	281140m	42.579	ug/l		
11) Tert butyl alcohol	2.67	59	46871	213.939	ug/l	#	83
12) 1,1-Dichloroethene	1.85	96	142520	42.361	ug/l		76
13) Acrolein	2.08	56	48198	230.717	ug/l		92
14) Allyl chloride	2.18	41	244152	45.337	ug/l		90
15) Acrylonitrile	3.06	53	91046	240.802	ug/l	#	86
16) Acetone	2.33	43	257547	281.062	ug/l		98
17) Carbon Disulfide	1.83	76	395177m	42.869	ug/l		
18) Methyl Acetate	2.44	43	70252	45.546	ug/l		98
19) Methyl tert-butyl Ether	2.52	73	352463	41.853	ug/l		98
20) Methylene Chloride	2.27	84	136958m	47.805	ug/l		
21) trans-1,2-Dichloroethene	2.40	96	141721	44.158	ug/l		84
22) Diisopropyl ether	2.91	45	429753	44.992	ug/l		93
23) Vinyl Acetate	3.32	43	714638	236.533	ug/l		100
24) 1,1-Dichloroethane	2.99	63	315272	43.283	ug/l		99
25) 2-Butanone	4.49	43	244237	292.813	ug/l		97
26) 2,2-Dichloropropane	3.74	77	210811	43.759	ug/l		99
27) cis-1,2-Dichloroethene	3.62	96	160228	52.304	ug/l		88
28) Bromochloromethane	3.87	49	98538	45.976	ug/l	#	89
29) Tetrahydrofuran	4.23	42	79510	274.401	ug/l		96
30) Chloroform	4.02	83	373533	44.465	ug/l		88
31) Cyclohexane	3.85	56	181245	50.393	ug/l		86
32) 1,1,1-Trichloroethane	4.26	97	329482	42.482	ug/l		94
36) 1,1-Dichloropropene	4.44	75	236715	42.253	ug/l		93
37) Ethyl Acetate	4.27	43	78929	51.337	ug/l	#	95
38) Carbon Tetrachloride	4.16	117	367705	43.373	ug/l		97

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) Methylcyclohexane	5.62	83	223590	48.903	ug/l	#	79
40) Benzene	4.80	78	437258	47.438	ug/l		96
41) Methacrylonitrile	4.91	41	46079	49.053	ug/l	#	93
42) 1,2-Dichloroethane	5.11	62	234590	39.373	ug/l		96
43) Isopropyl Acetate	7.10	43	90443	46.843	ug/l	#	96
44) Trichloroethene	5.66	130	147617	45.903	ug/l		96
45) 1,2-Dichloropropane	6.39	63	116897	50.083	ug/l		98
46) Dibromomethane	6.24	93	94900	43.328	ug/l		99
47) Bromodichloromethane	6.53	83	257840	41.961	ug/l		95
48) Methyl methacrylate	6.86	41	67565	46.422	ug/l		91
49) 1,4-Dioxane	6.85	88	12201	972.954	ug/l	#	87
51) 4-Methyl-2-Pentanone	8.39	43	345875	229.316	ug/l		96
52) Toluene	7.77	92	280949	46.354	ug/l		95
53) t-1,3-Dichloropropene	8.42	75	194230	42.688	ug/l		94
54) cis-1,3-Dichloropropene	7.44	75	217383	46.380	ug/l		90
55) 1,1,2-Trichloroethane	8.62	97	88475	46.110	ug/l		91
56) Ethyl methacrylate	8.75	69	100661	49.185	ug/l	#	85
57) 1,3-Dichloropropane	8.99	76	143154	42.603	ug/l		97
58) 2-Chloroethyl Vinyl ether	7.77	63	56143	198.385	ug/l		100
59) 2-Hexanone	9.62	43	247085	254.663	ug/l		97
60) Dibromochloromethane	8.85	129	158758	43.567	ug/l		97
61) 1,2-Dibromoethane	9.13	107	97990	42.954	ug/l		100
64) Tetrachloroethene	8.30	164	128311	46.633	ug/l		89
65) Chlorobenzene	9.93	112	327596	47.742	ug/l		94
66) 1,1,1,2-Tetrachloroethane	10.06	131	157945	44.466	ug/l		97
67) Ethyl Benzene	10.02	91	638614	45.574	ug/l		100
68) m/p-Xylenes	10.26	106	398630	90.616	ug/l		93
69) o-Xylene	10.82	106	228042	46.212	ug/l		92
70) Styrene	10.89	104	316964	46.009	ug/l		94
71) Bromoform	10.88	173	77899	41.216	ug/l	#	100
73) Isopropylbenzene	11.22	105	771831	52.994	ug/l		100
74) N-amyl acetate	11.45	43	142795	55.209	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.78	83	114878	54.740	ug/l		96
76) 1,2,3-Trichloropropane	11.88	75	86752	47.347	ug/l		96
77) Bromobenzene	11.59	156	155856	51.327	ug/l		93
78) n-propylbenzene	11.68	91	861941	50.621	ug/l		99
79) 2-Chlorotoluene	11.81	91	514923	49.902	ug/l		95
80) 1,3,5-Trimethylbenzene	11.91	105	640487	50.074	ug/l		94
81) trans-1,4-Dichloro-2-buten	11.95	75	37603m	48.789	ug/l		
82) 4-Chlorotoluene	11.99	91	518654	47.572	ug/l		98
83) tert-Butylbenzene	12.21	119	648710	50.209	ug/l		91
84) 1,2,4-Trimethylbenzene	12.28	105	630032	49.691	ug/l		93
85) sec-Butylbenzene	12.38	105	849777	49.007	ug/l		100
86) p-Isopropyltoluene	12.53	119	724573	49.185	ug/l		99
87) 1,3-Dichlorobenzene	12.55	146	312152	50.577	ug/l		96
88) 1,4-Dichlorobenzene	12.64	146	299152	50.038	ug/l		96
89) n-Butylbenzene	12.91	91	766728	48.929	ug/l		97
90) Hexachloroethane	12.99	117	191757	49.608	ug/l		86
91) 1,2-Dichlorobenzene	13.01	146	298864	50.489	ug/l		96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	27318	51.064	ug/l		72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	230647	47.854	ug/l	93
94) Hexachlorobutadiene	14.25	225	175768	48.759	ug/l	95
95) Naphthalene	14.52	128	413038	54.333	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	219330	49.473	ug/l	98

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

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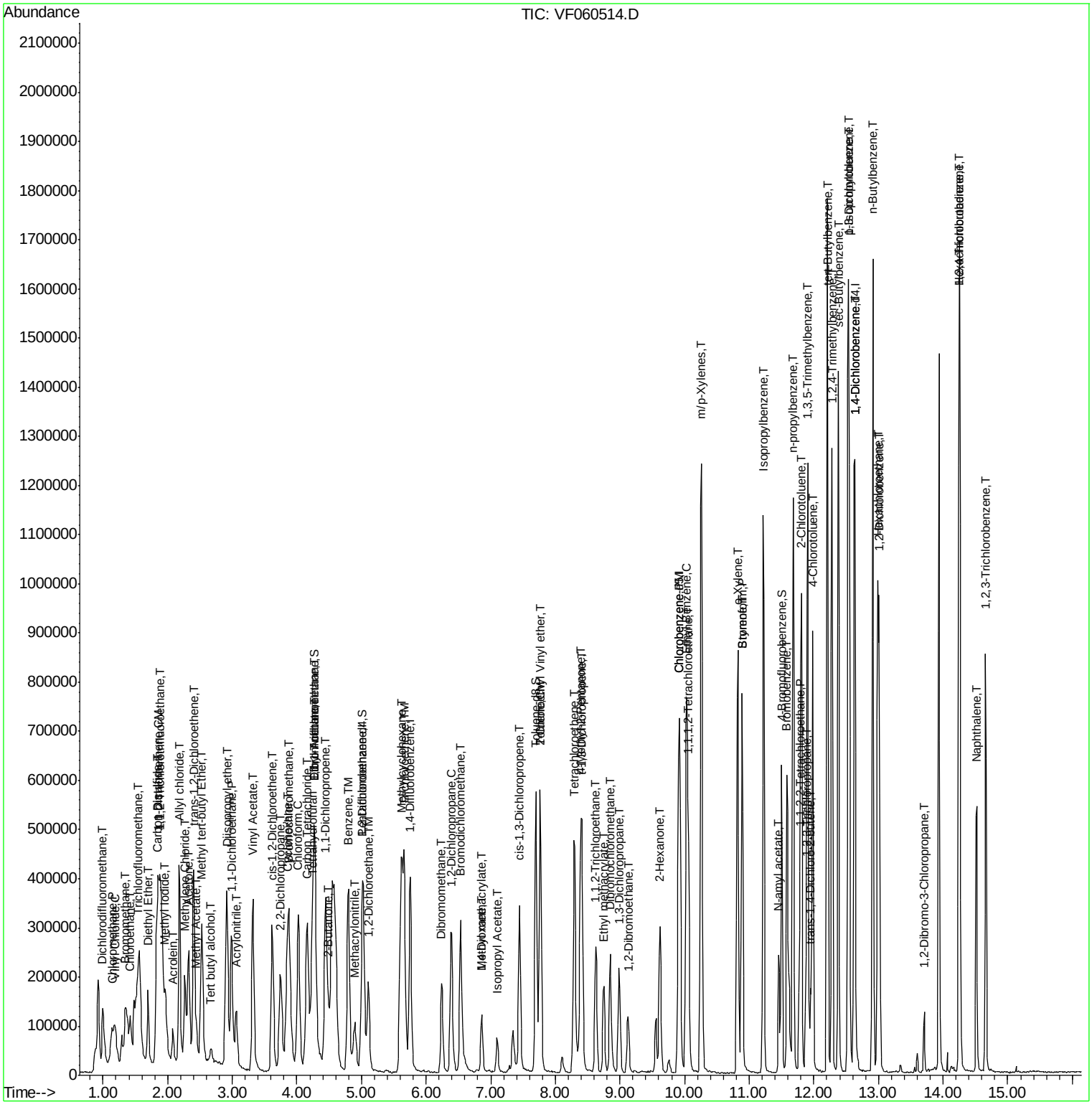
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