

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101019\
 Data File : VW013519.D
 Acq On : 10 Oct 2019 12:31
 Operator : SY/VA
 Sample : VSTD05005
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 10 14:09:09 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M

Quant Title : VOC Analysis

QLast Update : Thu Oct 10 14:04:30 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	486988	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	431949	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	222745	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	276725	47.66	ug/L	0.00
7) Chloroethane-d5	2.89	69	208754	44.79	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	582607	50.96	ug/L	0.00
20) 2-Butanone-d5	7.08	46	182429	90.90	ug/L	0.00
24) Chloroform-d	7.65	84	520557	47.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	270573	45.61	ug/L	0.00
29) Benzene-d6	8.27	84	1144102	48.78	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	335517	48.00	ug/L	0.00
37) Toluene-d8	10.32	98	1081034	48.95	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	155237	49.43	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	149267	97.61	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	276848	46.65	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	384924	48.38	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	136267	44.711	ug/L	92
3) Chloromethane	2.21	50	211675	51.834	ug/L	99
5) Vinyl chloride	2.36	62	331043	58.615	ug/L	98
6) Bromomethane	2.78	94	201656	56.160	ug/L	99
8) Chloroethane	2.92	64	188286	54.956	ug/L	99
9) Trichlorofluoromethane	3.26	101	179697	51.336	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	311960	56.395	ug/L	98
12) 1,1-Dichloroethene	4.04	96	314012	55.935	ug/L	93
13) Acetone	4.12	43	163717	98.006	ug/L	97
14) Carbon disulfide	4.39	76	963836	60.481	ug/L	100
15) Methyl Acetate	4.67	43	165400	51.313	ug/L	98
16) Methylene chloride	4.92	84	316671	43.524	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	505851	52.096	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	330451	55.049	ug/L	98
19) 1,1-Dichloroethane	6.21	63	555226	52.733	ug/L	99
21) 2-Butanone	7.17	43	237313	98.631	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	353470	54.042	ug/L	98
23) Bromochloromethane	7.51	128	160080	54.389	ug/L	98
25) Chloroform	7.67	83	542508	52.431	ug/L	100
27) 1,2-Dichloroethane	8.40	62	352022	51.949	ug/L	99
30) Cyclohexane	7.96	56	577373	55.655	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	441037	53.198	ug/L	99
32) Carbon tetrachloride	8.07	117	424808	53.740	ug/L	98
34) Benzene	8.32	78	1308006	54.014	ug/L	100
35) Trichloroethene	9.09	95	339419	53.352	ug/L	99
36) Methylcyclohexane	9.34	83	630252	55.612	ug/L	100
40) 1,2-Dichloropropane	9.37	63	318299	53.426	ug/L	100
41) Bromodichloromethane	9.65	83	398435	54.506	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	531528	55.852	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	457691	100.350	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) Toluene	10.38	91	1426402	54.102	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	423432	55.355	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	246089	52.717	ug/L	99
47) Tetrachloroethene	10.86	164	312745	54.633	ug/L	96
49) 2-Hexanone	10.97	43	342027	104.325	ug/L	99
50) Dibromochloromethane	11.13	129	294785	55.055	ug/L	99
51) 1,2-Dibromoethane	11.23	107	248706	54.230	ug/L	100
52) Chlorobenzene	11.66	112	898593	54.090	ug/L	100
53) Ethylbenzene	11.73	91	1591186	54.445	ug/L	99
54) m,p-Xylene	11.84	106	611624	54.504	ug/L	98
55) o-xylene	12.16	106	581738	54.936	ug/L	95
56) Styrene	12.18	104	1000110	55.082	ug/L	100
57) Isopropylbenzene	12.46	105	1569518	54.814	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	300293	52.217	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	224602	52.337	ug/L	99
62) Bromoform	12.35	173	191105	54.231	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	734235	53.569	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	729667	52.686	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	659949	52.918	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	48554	49.435	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	553717	52.469	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	474789	56.360	ug/L	99
69) Naphthalene	15.36	128	943445	58.621	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	421600	55.026	ug/L	99

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

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