

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101019\
 Data File : VW013520.D
 Acq On : 10 Oct 2019 12:57
 Operator : SY/VA
 Sample : VSTD10006
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 10 14:10:18 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	504451	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	448811	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	221615	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	551374	91.67	ug/L	0.00
7) Chloroethane-d5	2.88	69	424700	87.97	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1197484	101.12	ug/L	0.00
20) 2-Butanone-d5	7.07	46	363695	174.94	ug/L	0.00
24) Chloroform-d	7.65	84	1085587	95.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	558662	90.90	ug/L	0.00
29) Benzene-d6	8.27	84	2373291	97.39	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	703405	96.86	ug/L	0.00
37) Toluene-d8	10.32	98	2242258	97.71	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	329108	100.86	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	298799	188.05	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	561023	90.99	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	785906	99.27	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	293659	93.017	ug/L 94
3) Chloromethane	2.21	50	418345	98.896	ug/L 99
5) Vinyl chloride	2.36	62	675703	115.500	ug/L 99
6) Bromomethane	2.77	94	410527	110.372	ug/L 100
8) Chloroethane	2.92	64	388432	109.449	ug/L 99
9) Trichlorofluoromethane	3.26	101	376870	103.938	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	631475	110.205	ug/L 100
12) 1,1-Dichloroethene	4.04	96	655701	112.756	ug/L 98
13) Acetone	4.12	43	319853	184.845	ug/L 99
14) Carbon disulfide	4.38	76	1979885	119.938	ug/L 99
15) Methyl Acetate	4.67	43	329440	98.666	ug/L 98
16) Methylene chloride	4.92	84	646577	85.792	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	1030027	102.406	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	695730	111.888	ug/L 99
19) 1,1-Dichloroethane	6.21	63	1173169	107.566	ug/L 99
21) 2-Butanone	7.17	43	460397	184.725	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	745029	109.965	ug/L 99
23) Bromochloromethane	7.51	128	334750	109.797	ug/L 99
25) Chloroform	7.67	83	1138652	106.236	ug/L 99
27) 1,2-Dichloroethane	8.40	62	729592	103.941	ug/L 100
30) Cyclohexane	7.95	56	1186416	110.067	ug/L 100
31) 1,1,1-Trichloroethane	7.87	97	911934	105.865	ug/L 99
32) Carbon tetrachloride	8.07	117	888712	108.201	ug/L 98
34) Benzene	8.32	78	2702215	107.395	ug/L 100
35) Trichloroethene	9.09	95	711942	107.703	ug/L 99
36) Methylcyclohexane	9.34	83	1276251	108.382	ug/L 100
40) 1,2-Dichloropropane	9.37	63	663695	107.215	ug/L 100
41) Bromodichloromethane	9.64	83	853819	112.414	ug/L 99
42) cis-1,3-Dichloropropene	10.07	75	1126969	113.972	ug/L 97
43) 4-Methyl-2-pentanone	10.21	43	927672	195.753	ug/L 99

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

44) Toluene	10.38	91	2965810	108.264	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	902144	113.505	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	518761	106.954	ug/L	99
47) Tetrachloroethene	10.86	164	646852	108.752	ug/L	97
49) 2-Hexanone	10.97	43	682888	200.468	ug/L	99
50) Dibromochloromethane	11.13	129	637315	114.555	ug/L	100
51) 1,2-Dibromoethane	11.23	107	510581	107.148	ug/L	99
52) Chlorobenzene	11.66	112	1895110	109.789	ug/L	99
53) Ethylbenzene	11.73	91	3275137	107.854	ug/L	96
54) m,p-Xylene	11.84	106	1284589	110.173	ug/L	97
55) o-xylene	12.16	106	1211907	110.146	ug/L	98
56) Styrene	12.18	104	2084179	110.476	ug/L	97
57) Isopropylbenzene	12.46	105	3191126	107.259	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	605002	101.249	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	443453	99.452	ug/L	100
62) Bromoform	12.35	173	394167	112.426	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	1505056	110.366	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	1473336	106.926	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	1334225	107.531	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	97674	99.954	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	1115016	106.194	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	974405	116.257	ug/L	99
69) Naphthalene	15.36	128	1889454	117.999	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	853733	111.995	ug/L	99

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

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