

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101019\
 Data File : VW013518.D
 Acq On : 10 Oct 2019 12:05
 Operator : SY/VA
 Sample : VSTD02504
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 10 14:04:23 2019

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

Quant Title : VOC Analysis

QLast Update : Thu Oct 10 13:36:36 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	492164	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	430675	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	221204	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	138072	23.53	ug/L	0.00
7) Chloroethane-d5	2.89	69	100512	21.34	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	290462	25.14	ug/L	0.00
20) 2-Butanone-d5	7.08	46	84362	41.59	ug/L	0.00
24) Chloroform-d	7.65	84	254650	22.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	130608	21.78	ug/L	0.00
29) Benzene-d6	8.27	84	559208	23.91	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	163196	23.42	ug/L	0.00
37) Toluene-d8	10.32	98	525937	23.88	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	73823	23.58	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	67623	44.35	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	134427	22.72	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	188569	23.86	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	64500	20.941	ug/L 98
3) Chloromethane	2.21	50	111240	26.954	ug/L 96
5) Vinyl chloride	2.36	62	170436	29.860	ug/L 98
6) Bromomethane	2.78	94	104082	28.682	ug/L 98
8) Chloroethane	2.92	64	94493	27.290	ug/L 99
9) Trichlorofluoromethane	3.26	101	91941	25.990	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	160389	28.690	ug/L 98
12) 1,1-Dichloroethene	4.04	96	159683	28.145	ug/L 96
13) Acetone	4.12	43	82780	49.034	ug/L 96
14) Carbon disulfide	4.38	76	489883	30.417	ug/L 100
15) Methyl Acetate	4.67	43	79971	24.549	ug/L 100
16) Methylene chloride	4.92	84	165971	22.572	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	261410	26.638	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	169417	27.926	ug/L 97
19) 1,1-Dichloroethane	6.21	63	285012	26.785	ug/L 99
21) 2-Butanone	7.17	43	114938	47.268	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	181411	27.444	ug/L 99
23) Bromochloromethane	7.51	128	80660	27.117	ug/L 94
25) Chloroform	7.68	83	279425	26.721	ug/L 100
27) 1,2-Dichloroethane	8.40	62	178748	26.101	ug/L 100
30) Cyclohexane	7.95	56	295722	28.590	ug/L 99
31) 1,1,1-Trichloroethane	7.87	97	224906	27.208	ug/L 98
32) Carbon tetrachloride	8.07	117	216461	27.464	ug/L 99
34) Benzene	8.32	78	674754	27.946	ug/L 100
35) Trichloroethene	9.09	95	174343	27.485	ug/L 97
36) Methylcyclohexane	9.34	83	319431	28.269	ug/L 99
40) 1,2-Dichloropropane	9.37	63	162503	27.357	ug/L 99
41) Bromodichloromethane	9.64	83	199886	27.425	ug/L 98
42) cis-1,3-Dichloropropene	10.07	75	264093	27.833	ug/L 99
43) 4-Methyl-2-pentanone	10.21	43	225577	49.605	ug/L 98

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

44) Toluene	10.39	91	733289	27.895	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	209398	27.455	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	124218	26.689	ug/L	97
47) Tetrachloroethene	10.86	164	158638	27.794	ug/L	98
49) 2-Hexanone	10.97	43	166675	50.989	ug/L	98
50) Dibromochloromethane	11.13	129	145933	27.335	ug/L	98
51) 1,2-Dibromoethane	11.24	107	122623	26.817	ug/L	100
52) Chlorobenzene	11.66	112	462215	27.905	ug/L	98
53) Ethylbenzene	11.73	91	811374	27.845	ug/L	98
54) m,p-Xylene	11.84	106	311620	27.852	ug/L	99
55) o-xylene	12.16	106	294125	27.858	ug/L	98
56) Styrene	12.18	104	512581	28.314	ug/L	97
57) Isopropylbenzene	12.46	105	807178	28.273	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	148071	25.824	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	111067	25.958	ug/L	99
62) Bromoform	12.35	173	92171	26.338	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	375191	27.564	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	369194	26.844	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	333427	26.922	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	23471	24.064	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	280088	26.725	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	234045	27.976	ug/L	98
69) Naphthalene	15.36	128	448137	28.039	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	211547	27.803	ug/L	97

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

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