

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070219\
 Data File : VW011105.D
 Acq On : 02 Jul 2019 12:24
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV01

Quant Time: Jul 03 05:13:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 02 12:27:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	365776	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	334582	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	163063	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	144049	25.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.16%
7) Chloroethane-d5	2.89	69	104539	26.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.72%
10) 1,1-Dichloroethene-d2	4.02	63	305802	25.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.40%
20) 2-Butanone-d5	7.07	46	118182	53.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.44%
24) Chloroform-d	7.65	84	258222	25.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.04%
26) 1,2-Dichloroethane-d4	8.31	65	160724	26.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.12%
29) Benzene-d6	8.27	84	531992	25.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.24%
33) 1,2-Dichloropropane-d6	9.27	67	173052	25.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.12%
37) Toluene-d8	10.32	98	471550	25.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.68%
38) trans-1,3-Dichloropropene-	10.58	79	75267	26.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.48%
39) 2-Hexanone-d5	10.92	63	83060	53.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	143705	25.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	159489	25.48	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	143472	31.892	ug/L	99
3) Chloromethane	2.21	50	130731	26.767	ug/L	99
5) Vinyl chloride	2.36	62	168144	26.376	ug/L	99
6) Bromomethane	2.78	94	82744	27.744	ug/L	99
8) Chloroethane	2.92	64	92702	28.771	ug/L	98
9) Trichlorofluoromethane	3.25	101	58024	26.584	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	129899	26.710	ug/L	97
12) 1,1-Dichloroethene	4.04	96	129704	26.983	ug/L	87
13) Acetone	4.12	43	104160	48.470	ug/L	97
14) Carbon disulfide	4.38	76	375512	27.309	ug/L	100
15) Methyl Acetate	4.66	43	100778	28.820	ug/L	100
16) Methylene chloride	4.92	84	141400	26.307	ug/L	94
17) Methyl tert-butyl Ether	5.42	73	215451	28.902	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	131571	27.087	ug/L	99
19) 1,1-Dichloroethane	6.21	63	275381	27.927	ug/L	98
21) 2-Butanone	7.17	43	146790	52.913	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	146824	27.925	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	62197	28.192	ug/L	96
25) Chloroform	7.67	83	255989	27.407	ug/L	100
27) 1,2-Dichloroethane	8.40	62	199219	27.902	ug/L	99
30) Cyclohexane	7.95	56	275635	27.096	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	189288	27.259	ug/L	100
32) Carbon tetrachloride	8.07	117	177049	27.186	ug/L	99
34) Benzene	8.32	78	578140	27.648	ug/L	100
35) Trichloroethene	9.09	95	142617	27.027	ug/L	99
36) Methylcyclohexane	9.34	83	255915	26.949	ug/L	99
40) 1,2-Dichloropropane	9.37	63	160459	28.003	ug/L	100
41) Bromodichloromethane	9.64	83	187855	28.436	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	242751	28.713	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	303827	57.199	ug/L	99
44) Toluene	10.38	91	601132	27.774	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	201848	28.854	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	111140	28.009	ug/L	98
47) Tetrachloroethene	10.86	164	106298	26.654	ug/L	98
49) 2-Hexanone	10.97	43	215928	55.848	ug/L	99
50) Dibromochloromethane	11.13	129	121872	28.842	ug/L	100
51) 1,2-Dibromoethane	11.23	107	107288	28.002	ug/L	98
52) Chlorobenzene	11.66	112	363741	27.508	ug/L	100
53) Ethylbenzene	11.73	91	676295	27.547	ug/L	99
54) m,p-Xylene	11.84	106	244776	27.461	ug/L	96
55) o-xylene	12.16	106	236650	27.909	ug/L	98
56) Styrene	12.18	104	412945	28.389	ug/L	100
57) Isopropylbenzene	12.46	105	643450	27.799	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	149784	28.374	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	113974	28.115	ug/L	100
62) Bromoform	12.35	173	70299	28.927	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	278492	27.760	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	284296	27.682	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	262482	28.108	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	25754	28.090	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	214798	28.259	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	183786	28.861	ug/L	99
69) Naphthalene	15.37	128	410790	30.802	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	170540	29.270	ug/L	100

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

