

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103119\
 Data File : VW013854.D
 Acq On : 31 Oct 2019 13:01
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV03

Quant Time: Nov 01 02:07:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 31 13:22:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	309733	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	307232	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	191014	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	108445	23.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.00%
7) Chloroethane-d5	2.89	69	87679	23.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.08%
10) 1,1-Dichloroethene-d2	4.03	63	228545	24.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.88%
20) 2-Butanone-d5	7.07	46	77446	46.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.46%
24) Chloroform-d	7.65	84	226246	23.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.48%
26) 1,2-Dichloroethane-d4	8.31	65	122505	23.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.04%
29) Benzene-d6	8.27	84	476875	23.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.84%
33) 1,2-Dichloropropane-d6	9.27	67	142946	23.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.84%
37) Toluene-d8	10.32	98	456296	23.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.88%
38) trans-1,3-Dichloropropene-	10.58	79	65784	24.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.40%
39) 2-Hexanone-d5	10.92	63	65553	47.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	127306	23.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	172164	23.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	95781	27.968	ug/L 99
3) Chloromethane	2.21	50	97903	26.593	ug/L 100
5) Vinyl chloride	2.37	62	137049	26.255	ug/L 97
6) Bromomethane	2.78	94	88539	26.922	ug/L 100
8) Chloroethane	2.92	64	82188	27.881	ug/L 98
9) Trichlorofluoromethane	3.25	101	59238	26.027	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	135799	26.556	ug/L 98
12) 1,1-Dichloroethene	4.04	96	137947	26.900	ug/L 89
13) Acetone	4.12	43	65359	42.141	ug/L 99
14) Carbon disulfide	4.39	76	407489	27.340	ug/L 97
15) Methyl Acetate	4.67	43	74400	26.053	ug/L 100
16) Methylene chloride	4.92	84	147149	24.301	ug/L 100
17) Methyl tert-butyl Ether	5.42	73	177043	27.726	ug/L # 89
18) trans-1,2-Dichloroethene	5.42	96	144959	26.987	ug/L 95
19) 1,1-Dichloroethane	6.21	63	247435	26.930	ug/L 98
21) 2-Butanone	7.17	43	106622	47.910	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	154196	26.818	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	71147	26.507	ug/L	98
25) Chloroform	7.67	83	244266	26.481	ug/L	100
27) 1,2-Dichloroethane	8.40	62	166021	27.365	ug/L	98
30) Cyclohexane	7.95	56	242396	27.487	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	189385	26.896	ug/L	100
32) Carbon tetrachloride	8.07	117	189725	27.069	ug/L	99
34) Benzene	8.32	78	574613	26.971	ug/L	100
35) Trichloroethene	9.09	95	148623	26.432	ug/L	99
36) Methylcyclohexane	9.34	83	267292	27.460	ug/L	99
40) 1,2-Dichloropropane	9.37	63	141822	26.946	ug/L	100
41) Bromodichloromethane	9.64	83	180145	27.253	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	230268	27.868	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	211376	52.048	ug/L	99
44) Toluene	10.38	91	632155	27.480	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	187462	27.817	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	112760	26.572	ug/L	98
47) Tetrachloroethene	10.86	164	136255	26.982	ug/L	94
49) 2-Hexanone	10.97	43	153242	52.731	ug/L	97
50) Dibromochloromethane	11.13	129	135166	27.398	ug/L	100
51) 1,2-Dibromoethane	11.23	107	110850	26.688	ug/L	96
52) Chlorobenzene	11.66	112	404453	27.111	ug/L	98
53) Ethylbenzene	11.73	91	702461	27.663	ug/L	99
54) m,p-Xylene	11.84	106	274645	27.645	ug/L	98
55) o-xylene	12.16	106	258515	27.647	ug/L	97
56) Styrene	12.18	104	450451	28.076	ug/L	100
57) Isopropylbenzene	12.46	105	692974	27.691	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	139099	26.110	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	104514	25.747	ug/L	99
62) Bromoform	12.35	173	87358	26.285	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	337256	27.052	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	334725	26.469	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	309191	26.831	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	23655	25.972	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	267407	27.881	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	228180	29.661	ug/L	99
69) Naphthalene	15.36	128	446035	30.138	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	206096	28.976	ug/L	99

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

