

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101819\
 Data File : VW013620.D
 Acq On : 18 Oct 2019 13:16
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV02

Quant Time: Oct 20 17:49:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 18 13:08:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	323032	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	308612	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	185527	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	108164	27.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.16%
7) Chloroethane-d5	2.89	69	95693	25.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.48%
10) 1,1-Dichloroethene-d2	4.03	63	224290	25.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.48%
20) 2-Butanone-d5	7.07	46	84139	59.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.72%
24) Chloroform-d	7.65	84	238122	26.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.36%
26) 1,2-Dichloroethane-d4	8.30	65	123879	26.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.84%
29) Benzene-d6	8.27	84	500095	26.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.88%
33) 1,2-Dichloropropane-d6	9.27	67	147929	26.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.84%
37) Toluene-d8	10.32	98	459891	26.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.56%
38) trans-1,3-Dichloropropene-	10.57	79	66613	26.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.68%
39) 2-Hexanone-d5	10.92	63	66627	62.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	131476	28.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	166462	25.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	78610	21.636	ug/L	99
3) Chloromethane	2.21	50	87481	22.242	ug/L	97
5) Vinyl chloride	2.37	62	125641	25.562	ug/L	100
6) Bromomethane	2.78	94	82518	23.234	ug/L	98
8) Chloroethane	2.92	64	76634	23.072	ug/L	97
9) Trichlorofluoromethane	3.26	101	72779	21.969	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	124727	23.910	ug/L	99
12) 1,1-Dichloroethene	4.04	96	124464	24.244	ug/L	87
13) Acetone	4.12	43	69113	43.929	ug/L	96
14) Carbon disulfide	4.38	76	367308	25.004	ug/L	99
15) Methyl Acetate	4.67	43	67984	26.446	ug/L	100
16) Methylene chloride	4.92	84	133743	21.621	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	174182	24.521	ug/L #	91
18) trans-1,2-Dichloroethene	5.42	96	137125	24.162	ug/L	99
19) 1,1-Dichloroethane	6.21	63	232615	24.215	ug/L	97
21) 2-Butanone	7.16	43	98404	49.261	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	146889	24.113	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	66666	24.213	ug/L	95
25) Chloroform	7.67	83	228636	23.694	ug/L	100
27) 1,2-Dichloroethane	8.40	62	146526	23.692	ug/L	100
30) Cyclohexane	7.95	56	225298	24.919	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	175652	24.403	ug/L	99
32) Carbon tetrachloride	8.07	117	171524	24.472	ug/L	98
34) Benzene	8.32	78	543563	24.548	ug/L	100
35) Trichloroethene	9.09	95	140426	24.717	ug/L	99
36) Methylcyclohexane	9.34	83	244918	24.458	ug/L	99
40) 1,2-Dichloropropane	9.37	63	131354	24.261	ug/L	100
41) Bromodichloromethane	9.64	83	164313	24.768	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	209482	24.506	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	189712	51.358	ug/L	100
44) Toluene	10.38	91	591671	24.870	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	170497	24.710	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	101666	24.347	ug/L	97
47) Tetrachloroethene	10.86	164	127220	24.463	ug/L	98
49) 2-Hexanone	10.97	43	141374	53.947	ug/L	98
50) Dibromochloromethane	11.13	129	121278	24.610	ug/L	94
51) 1,2-Dibromoethane	11.23	107	102178	25.164	ug/L	99
52) Chlorobenzene	11.66	112	364883	23.971	ug/L	98
53) Ethylbenzene	11.73	91	647496	24.633	ug/L	99
54) m,p-Xylene	11.83	106	251025	24.713	ug/L	99
55) o-xylene	12.16	106	235749	24.457	ug/L	99
56) Styrene	12.18	104	412265	25.001	ug/L	99
57) Isopropylbenzene	12.46	105	636252	24.608	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	125177	25.577	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	94189	25.808	ug/L	99
62) Bromoform	12.35	173	77862	24.489	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	298519	23.713	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	294292	23.264	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	269628	23.639	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	20223	25.795	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	213328	22.794	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	182062	22.915	ug/L	99
69) Naphthalene	15.36	128	363449	25.245	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	165912	23.318	ug/L	99

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

