

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061119\
 Data File : VW010766.D
 Acq On : 11 Jun 2019 12:52
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV18

Quant Time: Jun 12 01:58:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 11 12:42:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	388640	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	357910	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	174715	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	125204	22.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.48%
7) Chloroethane-d5	2.88	69	97927	22.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.24%
10) 1,1-Dichloroethene-d2	4.01	63	267107	22.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.04%
20) 2-Butanone-d5	7.07	46	107413	48.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.74%
24) Chloroform-d	7.65	84	209212	26.19	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.76%
26) 1,2-Dichloroethane-d4	8.30	65	159370	24.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.96%
29) Benzene-d6	8.27	84	506979	23.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.92%
33) 1,2-Dichloropropane-d6	9.27	67	166541	24.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.16%
37) Toluene-d8	10.32	98	463171	24.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.48%
38) trans-1,3-Dichloropropene-	10.58	79	77905	25.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.52%
39) 2-Hexanone-d5	10.93	63	84049	51.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	147764	25.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	165356	24.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.00	85	153163	24.611	ug/L 99
3) Chloromethane	2.21	50	172287	24.893	ug/L 99
5) Vinyl chloride	2.35	62	155611	24.524	ug/L 99
6) Bromomethane	2.76	94	75385	26.374	ug/L 98
8) Chloroethane	2.92	64	92301	24.839	ug/L 99
9) Trichlorofluoromethane	3.26	101	206949	24.652	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	117619	23.947	ug/L 99
12) 1,1-Dichloroethene	4.03	96	109099	24.142	ug/L 88
13) Acetone	4.12	43	121845	51.066	ug/L 100
14) Carbon disulfide	4.38	76	315600	23.666	ug/L 100
15) Methyl Acetate	4.67	43	100069	26.123	ug/L 100
16) Methylene chloride	4.92	84	131628	24.681	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	380248	25.411	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	121136	24.042	ug/L 97
19) 1,1-Dichloroethane	6.21	63	261378	24.895	ug/L 100
21) 2-Butanone	7.17	43	156059	47.885	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	143537	25.035	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	58565	24.900	ug/L	98
25) Chloroform	7.68	83	289739	23.978	ug/L	100
27) 1,2-Dichloroethane	8.40	62	197024	25.499	ug/L	98
30) Cyclohexane	7.95	56	250122	23.586	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	210394	24.597	ug/L	100
32) Carbon tetrachloride	8.07	117	175451	24.600	ug/L	99
34) Benzene	8.32	78	541224	24.585	ug/L	100
35) Trichloroethene	9.09	95	135958	24.100	ug/L	100
36) Methylcyclohexane	9.34	83	236363	23.781	ug/L	100
40) 1,2-Dichloropropane	9.37	63	154915	25.247	ug/L	100
41) Bromodichloromethane	9.65	83	188056	26.028	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	236921	25.224	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	309067	52.424	ug/L	100
44) Toluene	10.39	91	570596	24.748	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	207114	26.187	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	112231	25.694	ug/L	99
47) Tetrachloroethene	10.86	164	101487	24.007	ug/L	98
49) 2-Hexanone	10.97	43	234165	53.582	ug/L	100
50) Dibromochloromethane	11.13	129	128026	26.447	ug/L	100
51) 1,2-Dibromoethane	11.24	107	104425	24.968	ug/L	99
52) Chlorobenzene	11.66	112	359356	24.999	ug/L	99
53) Ethylbenzene	11.73	91	655558	24.844	ug/L	99
54) m,p-Xylene	11.84	106	236374	24.858	ug/L	99
55) o-xylene	12.16	106	232991	25.269	ug/L	100
56) Styrene	12.18	104	412199	25.690	ug/L	99
57) Isopropylbenzene	12.47	105	636805	25.224	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	154566	26.410	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	122466	26.470	ug/L	100
62) Bromoform	12.35	173	78042	26.337	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	283270	25.127	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	286907	25.147	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	268270	25.436	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	29223	26.284	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	222307	25.983	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	196142	27.470	ug/L	98
69) Naphthalene	15.37	128	436743	28.930	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	177406	27.731	ug/L	99

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

