

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062719\
 Data File : VW011018.D
 Acq On : 27 Jun 2019 13:18
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 28 04:10:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 28 04:07:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	367324	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	333893	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	163981	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	109490	23.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.00%
7) Chloroethane-d5	2.89	69	85640	23.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.32%
10) 1,1-Dichloroethene-d2	4.02	63	263842	23.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.80%
20) 2-Butanone-d5	7.07	46	102343	45.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.54%
24) Chloroform-d	7.65	84	234985	23.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.88%
26) 1,2-Dichloroethane-d4	8.31	65	142688	23.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.96%
29) Benzene-d6	8.27	84	472595	23.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.32%
33) 1,2-Dichloropropane-d6	9.27	67	155542	23.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.92%
37) Toluene-d8	10.32	98	422144	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.36%
38) trans-1,3-Dichloropropene-	10.58	79	63347	21.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.44%
39) 2-Hexanone-d5	10.92	63	66140	44.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	127740	23.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	145865	23.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	123977	24.011	ug/L 98
3) Chloromethane	2.21	50	117800	21.458	ug/L 100
5) Vinyl chloride	2.36	62	170784	26.020	ug/L 99
6) Bromomethane	2.78	94	78275	24.161	ug/L 100
8) Chloroethane	2.92	64	87833	25.267	ug/L 97
9) Trichlorofluoromethane	3.25	101	54147	24.428	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	129018	25.045	ug/L 99
12) 1,1-Dichloroethene	4.04	96	127015	24.703	ug/L 97
13) Acetone	4.12	43	101156	47.243	ug/L 97
14) Carbon disulfide	4.39	76	363332	23.867	ug/L 100
15) Methyl Acetate	4.67	43	83309	22.477	ug/L 100
16) Methylene chloride	4.92	84	135061	24.827	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	189100	23.490	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	126187	24.406	ug/L 98
19) 1,1-Dichloroethane	6.21	63	258577	24.487	ug/L 99
21) 2-Butanone	7.17	43	129371	45.943	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	136807	24.592	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56417	23.845	ug/L	98
25) Chloroform	7.67	83	240310	24.803	ug/L	99
27) 1,2-Dichloroethane	8.40	62	181166	23.863	ug/L	100
30) Cyclohexane	7.95	56	270054	24.459	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	180219	24.818	ug/L	99
32) Carbon tetrachloride	8.07	117	170829	24.905	ug/L	99
34) Benzene	8.32	78	543822	24.785	ug/L	100
35) Trichloroethene	9.09	95	136136	24.467	ug/L	100
36) Methylcyclohexane	9.34	83	253201	24.792	ug/L	100
40) 1,2-Dichloropropane	9.37	63	148383	24.570	ug/L	99
41) Bromodichloromethane	9.64	83	171079	24.140	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	223799	24.090	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	257747	45.992	ug/L	100
44) Toluene	10.38	91	572312	24.945	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	183317	23.871	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	98725	23.854	ug/L	99
47) Tetrachloroethene	10.86	164	103098	24.432	ug/L	95
49) 2-Hexanone	10.97	43	186846	46.863	ug/L	99
50) Dibromochloromethane	11.13	129	108070	23.714	ug/L	98
51) 1,2-Dibromoethane	11.24	107	93423	23.341	ug/L	98
52) Chlorobenzene	11.66	112	340022	24.628	ug/L	99
53) Ethylbenzene	11.73	91	644271	24.925	ug/L	100
54) m,p-Xylene	11.84	106	235073	25.062	ug/L	98
55) o-xylene	12.16	106	223146	24.793	ug/L	99
56) Styrene	12.18	104	386970	24.932	ug/L	98
57) Isopropylbenzene	12.46	105	612756	25.094	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	128471	23.740	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	95994	22.846	ug/L	98
62) Bromoform	12.35	173	58861	22.426	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	259143	24.274	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	263442	24.565	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	241584	24.467	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	20996	20.781	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	202173	24.880	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	166681	24.203	ug/L	99
69) Naphthalene	15.37	128	342158	23.283	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	150638	24.081	ug/L	99

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

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