

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW061719\
 Data File : VW010817.D
 Acq On : 17 Jun 2019 09:47
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 05:49:25 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	430390	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	387425	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	178462	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	137377	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.68%
7) Chloroethane-d5	2.88	69	105458	22.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.76%
10) 1,1-Dichloroethene-d2	4.01	63	306490	23.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.36%
20) 2-Butanone-d5	7.08	46	121574	49.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.86%
24) Chloroform-d	7.65	84	207830	23.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.96%
26) 1,2-Dichloroethane-d4	8.31	65	164991	22.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.60%
29) Benzene-d6	8.27	84	546592	23.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.52%
33) 1,2-Dichloropropane-d6	9.27	67	178690	24.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.32%
37) Toluene-d8	10.32	98	496768	23.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.60%
38) trans-1,3-Dichloropropene-	10.58	79	82737	24.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.60%
39) 2-Hexanone-d5	10.93	63	86624	48.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	149796	23.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	161612	23.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.00	85	172918	25.090	ug/L 99
3) Chloromethane	2.21	50	184482	24.070	ug/L 100
5) Vinyl chloride	2.35	62	174976	24.901	ug/L 99
6) Bromomethane	2.77	94	77012	24.330	ug/L 100
8) Chloroethane	2.92	64	101769	24.730	ug/L 97
9) Trichlorofluoromethane	3.26	101	238368	25.640	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	136119	25.025	ug/L 98
12) 1,1-Dichloroethene	4.04	96	124591	24.896	ug/L 96
13) Acetone	4.13	43	120963	45.779	ug/L 100
14) Carbon disulfide	4.38	76	356599	24.147	ug/L 99
15) Methyl Acetate	4.67	43	102100	24.067	ug/L 100
16) Methylene chloride	4.92	84	136531	23.117	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	407576	24.595	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	137103	24.571	ug/L 100
19) 1,1-Dichloroethane	6.21	63	292453	25.153	ug/L 99
21) 2-Butanone	7.17	43	160805	44.555	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	155096	24.427	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	62392	23.954	ug/L	99
25) Chloroform	7.67	83	339509	25.371	ug/L	100
27) 1,2-Dichloroethane	8.40	62	207071	24.200	ug/L	99
30) Cyclohexane	7.95	56	286247	24.936	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	241845	26.120	ug/L	99
32) Carbon tetrachloride	8.07	117	205098	26.566	ug/L	99
34) Benzene	8.32	78	592252	24.853	ug/L	100
35) Trichloroethene	9.09	95	152845	25.029	ug/L	99
36) Methylcyclohexane	9.34	83	266405	24.762	ug/L	99
40) 1,2-Dichloropropane	9.37	63	166691	25.097	ug/L	100
41) Bromodichloromethane	9.64	83	205765	26.309	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	261998	25.768	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	312798	49.015	ug/L	100
44) Toluene	10.39	91	622086	24.926	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	227010	26.516	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	116367	24.611	ug/L	99
47) Tetrachloroethene	10.86	164	113807	24.870	ug/L	98
49) 2-Hexanone	10.97	43	238468	50.410	ug/L	99
50) Dibromochloromethane	11.13	129	134067	25.585	ug/L	97
51) 1,2-Dibromoethane	11.24	107	110199	24.341	ug/L	100
52) Chlorobenzene	11.66	112	385502	24.775	ug/L	99
53) Ethylbenzene	11.73	91	717934	25.135	ug/L	100
54) m,p-Xylene	11.84	106	253207	24.600	ug/L	97
55) o-xylene	12.16	106	249378	24.985	ug/L	99
56) Styrene	12.18	104	430725	24.800	ug/L	99
57) Isopropylbenzene	12.46	105	692025	25.323	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	155875	24.605	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	122134	24.387	ug/L	100
62) Bromoform	12.35	173	80877	26.720	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	294987	25.617	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	295007	25.314	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	270494	25.108	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	28345	24.959	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	226794	25.951	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	194268	26.636	ug/L	100
69) Naphthalene	15.37	128	416419	27.005	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	171477	26.241	ug/L	100

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

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