

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101019\
 Data File : VW013530.D
 Acq On : 10 Oct 2019 20:29
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 11 09:04:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 11 07:46:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	433797	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	381615	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	197821	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	121246	24.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.68%
7) Chloroethane-d5	2.89	69	90966	23.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.44%
10) 1,1-Dichloroethene-d2	4.02	63	263223	25.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.16%
20) 2-Butanone-d5	7.07	46	82977	55.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.98%
24) Chloroform-d	7.65	84	239272	25.39	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.56%
26) 1,2-Dichloroethane-d4	8.31	65	124270	25.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.80%
29) Benzene-d6	8.27	84	514043	25.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.60%
33) 1,2-Dichloropropane-d6	9.27	67	153184	25.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.04%
37) Toluene-d8	10.32	98	484813	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.96%
38) trans-1,3-Dichloropropene-	10.57	79	68138	25.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.88%
39) 2-Hexanone-d5	10.92	63	66006	54.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	130198	26.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	178014	25.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	75267	31.842	ug/L 95
3) Chloromethane	2.21	50	107150	25.799	ug/L 99
5) Vinyl chloride	2.36	62	157445	26.794	ug/L 98
6) Bromomethane	2.78	94	97688	27.142	ug/L 100
8) Chloroethane	2.92	64	89068	27.024	ug/L 100
9) Trichlorofluoromethane	3.25	101	74827	24.427	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	149012	27.410	ug/L 99
12) 1,1-Dichloroethene	4.04	96	149747	27.500	ug/L 96
13) Acetone	4.12	43	79817	46.437	ug/L 98
14) Carbon disulfide	4.38	76	443394	26.682	ug/L 98
15) Methyl Acetate	4.67	43	79443	29.630	ug/L 99
16) Methylene chloride	4.91	84	163315	24.856	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	257071	29.377	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	159013	27.364	ug/L 98
19) 1,1-Dichloroethane	6.21	63	271528	27.832	ug/L 100
21) 2-Butanone	7.17	43	111228	52.897	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	174347	28.053	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	78320	28.144	ug/L	93
25) Chloroform	7.67	83	266734	27.714	ug/L	100
27) 1,2-Dichloroethane	8.40	62	175223	28.785	ug/L	99
30) Cyclohexane	7.95	56	271262	27.034	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	211331	27.495	ug/L	99
32) Carbon tetrachloride	8.07	117	204155	27.691	ug/L	99
34) Benzene	8.32	78	639159	27.724	ug/L	100
35) Trichloroethene	9.09	95	166772	27.732	ug/L	98
36) Methylcyclohexane	9.34	83	296100	27.076	ug/L	100
40) 1,2-Dichloropropane	9.37	63	158570	28.551	ug/L	100
41) Bromodichloromethane	9.65	83	194288	28.481	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	251853	28.267	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	224468	57.926	ug/L	99
44) Toluene	10.38	91	697939	27.934	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	204356	29.047	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	121270	28.765	ug/L	95
47) Tetrachloroethene	10.86	164	147133	26.845	ug/L	95
49) 2-Hexanone	10.97	43	160390	56.950	ug/L	98
50) Dibromochloromethane	11.13	129	145068	29.225	ug/L	97
51) 1,2-Dibromoethane	11.23	107	120677	29.139	ug/L	98
52) Chlorobenzene	11.66	112	441749	27.858	ug/L	99
53) Ethylbenzene	11.73	91	771487	27.895	ug/L	98
54) m,p-Xylene	11.84	106	294844	27.329	ug/L	100
55) o-xylene	12.16	106	287176	28.516	ug/L	96
56) Styrene	12.18	104	500048	29.155	ug/L	100
57) Isopropylbenzene	12.46	105	771045	28.223	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	148977	29.909	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	110993	29.842	ug/L	100
62) Bromoform	12.35	173	91118	28.637	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	358877	27.073	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	353926	26.822	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	325688	27.326	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	23158	28.144	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	268135	26.800	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	222665	26.851	ug/L	99
69) Naphthalene	15.36	128	431890	28.594	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	201988	27.354	ug/L	100

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

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