

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW031519\
 Data File : VW009195.D
 Acq On : 15 Mar 2019 13:10
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Mar 15 23:22:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 15 06:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	464836	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	437748	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	232254	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	164746	29.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.64%
7) Chloroethane-d5	2.89	69	163172	25.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.40%
10) 1,1-Dichloroethene-d2	4.02	63	329481	27.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	109.76%
20) 2-Butanone-d5	7.07	46	111387	48.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.98%
24) Chloroform-d	7.65	84	333265	26.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.08%
26) 1,2-Dichloroethane-d4	8.30	65	197308	25.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.28%
29) Benzene-d6	8.27	84	641108	26.56	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.24%
33) 1,2-Dichloropropane-d6	9.27	67	191635	26.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.72%
37) Toluene-d8	10.32	98	598832	26.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.32%
38) trans-1,3-Dichloropropene-	10.57	79	95311	26.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.68%
39) 2-Hexanone-d5	10.93	63	89865	51.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	187924	26.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.28%
61) 1,2-Dichlorobenzene-d4	13.86	152	228508	25.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	159089	25.980	ug/L 100
3) Chloromethane	2.22	50	161849	24.912	ug/L 100
5) Vinyl chloride	2.37	62	197828	29.584	ug/L 99
6) Bromomethane	2.78	94	140928	25.155	ug/L 99
8) Chloroethane	2.93	64	136612	24.693	ug/L 94
9) Trichlorofluoromethane	3.26	101	117203	22.188	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	143307	23.493	ug/L # 92
12) 1,1-Dichloroethene	4.04	96	152963	26.723	ug/L 90
13) Acetone	4.12	43	93035	49.385	ug/L 96
14) Carbon disulfide	4.38	76	452439	29.369	ug/L 99
15) Methyl Acetate	4.67	43	86563	23.390	ug/L 96
16) Methylene chloride	4.92	84	159733	23.564	ug/L 94
17) Methyl tert-butyl Ether	5.42	73	187446	23.144	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	153779	25.553	ug/L 99
19) 1,1-Dichloroethane	6.21	63	275553	25.112	ug/L 97
21) 2-Butanone	7.17	43	124796	47.977	ug/L 100
22) cis-1,2-Dichloroethene	7.16	96	163166	25.028	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	77362	24.741	ug/L	95
25) Chloroform	7.67	83	293295	25.523	ug/L	99
27) 1,2-Dichloroethane	8.40	62	210459	24.564	ug/L	100
30) Cyclohexane	7.95	56	261985	26.352	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	226708	25.931	ug/L	98
32) Carbon tetrachloride	8.06	117	239473	27.148	ug/L	98
34) Benzene	8.32	78	620183	25.884	ug/L	100
35) Trichloroethene	9.09	95	163981	25.685	ug/L	99
36) Methylcyclohexane	9.34	83	286446	25.933	ug/L	99
40) 1,2-Dichloropropane	9.37	63	153081	24.898	ug/L	99
41) Bromodichloromethane	9.64	83	210870	24.753	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	250590	25.024	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	254209	45.628	ug/L	99
44) Toluene	10.38	91	668182	25.506	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	215779	24.771	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	122150	24.903	ug/L	98
47) Tetrachloroethene	10.86	164	138041	25.589	ug/L	97
49) 2-Hexanone	10.97	43	195251	49.759	ug/L	98
50) Dibromochloromethane	11.13	129	151574	25.032	ug/L	93
51) 1,2-Dibromoethane	11.23	107	124007	24.938	ug/L	90
52) Chlorobenzene	11.66	112	423373	25.198	ug/L	99
53) Ethylbenzene	11.73	91	764440	25.955	ug/L	100
54) m,p-Xylene	11.84	106	288914	25.820	ug/L	98
55) o-xylene	12.16	106	276056	25.289	ug/L	99
56) Styrene	12.18	104	477838	25.656	ug/L	96
57) Isopropylbenzene	12.46	105	760520	26.008	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	161970	24.477	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	119431	24.320	ug/L	98
62) Bromoform	12.35	173	94875	24.177	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	338136	24.428	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	357716	24.996	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	326470	24.731	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	28523	22.047	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	269937	25.002	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	230560	25.423	ug/L	99
69) Naphthalene	15.37	128	467225	24.850	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	214725	25.279	ug/L	98

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

