

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062719\
 Data File : VW011012.D
 Acq On : 27 Jun 2019 09:44
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: Jun 28 04:07:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 27 07:30:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	351878	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	315915	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	155906	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	119664	26.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.96%
7) Chloroethane-d5	2.88	69	91115	25.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.64%
10) 1,1-Dichloroethene-d2	4.02	63	279894	25.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.88%
20) 2-Butanone-d5	7.08	46	98781	46.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.24%
24) Chloroform-d	7.64	84	248698	26.21	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.84%
26) 1,2-Dichloroethane-d4	8.31	65	149675	25.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.76%
29) Benzene-d6	8.27	84	498323	26.27	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.08%
33) 1,2-Dichloropropane-d6	9.27	67	163263	26.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.20%
37) Toluene-d8	10.32	98	443596	25.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.68%
38) trans-1,3-Dichloropropene-	10.57	79	67422	24.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.24%
39) 2-Hexanone-d5	10.92	63	63480	45.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	128718	24.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	150126	25.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	134621	27.217	ug/L	100
3) Chloromethane	2.21	50	121034	23.015	ug/L	99
5) Vinyl chloride	2.36	62	165170	26.269	ug/L	99
6) Bromomethane	2.78	94	77044	24.825	ug/L	99
8) Chloroethane	2.92	64	85212	25.589	ug/L	98
9) Trichlorofluoromethane	3.25	101	56900	26.797	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	122017	24.726	ug/L	97
12) 1,1-Dichloroethene	4.03	96	123323	25.038	ug/L	89
13) Acetone	4.14	43	89048	43.414	ug/L	98
14) Carbon disulfide	4.38	76	361738	24.805	ug/L	100
15) Methyl Acetate	4.67	43	73528	20.709	ug/L	100
16) Methylene chloride	4.92	84	127233	24.414	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	182616	23.680	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	122100	24.652	ug/L	99
19) 1,1-Dichloroethane	6.21	63	248198	24.535	ug/L	98
21) 2-Butanone	7.18	43	117410	43.525	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	129452	24.292	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	53269	23.503	ug/L	98
25) Chloroform	7.67	83	227506	24.512	ug/L	100
27) 1,2-Dichloroethane	8.40	62	170322	23.419	ug/L	100
30) Cyclohexane	7.95	56	258770	24.771	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	175584	25.555	ug/L	99
32) Carbon tetrachloride	8.06	117	165194	25.454	ug/L	98
34) Benzene	8.32	78	515545	24.834	ug/L	100
35) Trichloroethene	9.09	95	129841	24.663	ug/L	100
36) Methylcyclohexane	9.33	83	246195	25.478	ug/L	98
40) 1,2-Dichloropropane	9.37	63	138743	24.282	ug/L	100
41) Bromodichloromethane	9.64	83	161287	24.053	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	210060	23.898	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	225980	42.618	ug/L	99
44) Toluene	10.38	91	535377	24.663	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	170928	23.524	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	91247	23.301	ug/L	99
47) Tetrachloroethene	10.86	164	97535	24.429	ug/L	96
49) 2-Hexanone	10.97	43	170462	45.187	ug/L	99
50) Dibromochloromethane	11.13	129	101199	23.470	ug/L	100
51) 1,2-Dibromoethane	11.23	107	87028	22.981	ug/L	98
52) Chlorobenzene	11.66	112	320485	24.534	ug/L	99
53) Ethylbenzene	11.73	91	607111	24.824	ug/L	100
54) m,p-Xylene	11.84	106	222242	25.042	ug/L	100
55) o-xylene	12.16	106	212379	24.939	ug/L	100
56) Styrene	12.18	104	364235	24.803	ug/L	97
57) Isopropylbenzene	12.46	105	582394	25.208	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	116937	22.838	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	90025	22.645	ug/L	100
62) Bromoform	12.35	173	54881	21.992	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	245047	24.142	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	248380	24.361	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	225152	23.983	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	19447	20.245	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	191395	24.774	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	160691	24.542	ug/L	100
69) Naphthalene	15.37	128	327086	23.410	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	146926	24.704	ug/L	99

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

