

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111419\
 Data File : VW014011.D
 Acq On : 14 Nov 2019 09:27
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Quant Time: Nov 15 01:41:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 12 10:15:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	305461	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	291666	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	176157	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	125444	25.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.96%
7) Chloroethane-d5	2.89	69	102554	25.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.84%
10) 1,1-Dichloroethene-d2	4.02	63	252925	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.16%
20) 2-Butanone-d5	7.07	46	75069	53.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.04%
24) Chloroform-d	7.64	84	239510	25.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	8.30	65	122815	26.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.04%
29) Benzene-d6	8.27	84	508945	24.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.36%
33) 1,2-Dichloropropane-d6	9.27	67	147360	24.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.24%
37) Toluene-d8	10.32	98	480225	24.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.88%
38) trans-1,3-Dichloropropene-	10.57	79	65962	25.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.64%
39) 2-Hexanone-d5	10.92	63	60482	52.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121177	26.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	168848	23.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	86989	23.946	ug/L	97
3) Chloromethane	2.21	50	76506	23.710	ug/L	98
5) Vinyl chloride	2.36	62	136231	27.040	ug/L	94
6) Bromomethane	2.78	94	84727	27.162	ug/L	99
8) Chloroethane	2.92	64	78953	26.345	ug/L	95
9) Trichlorofluoromethane	3.25	101	77066	22.432	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	131712	25.964	ug/L	98
12) 1,1-Dichloroethene	4.04	96	136803	26.530	ug/L	97
13) Acetone	4.11	43	65735	45.626	ug/L	98
14) Carbon disulfide	4.38	76	393712	26.826	ug/L	98
15) Methyl Acetate	4.66	43	66162	28.383	ug/L	100
16) Methylene chloride	4.91	84	136763	23.256	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	168695	25.358	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	143128	26.617	ug/L	97
19) 1,1-Dichloroethane	6.21	63	243637	26.899	ug/L	99
21) 2-Butanone	7.17	43	94394	50.998	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	152093	26.878	ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	67536	27.189	ug/L	88
25) Chloroform	7.66	83	243194	27.341	ug/L	99
27) 1,2-Dichloroethane	8.40	62	148259	27.531	ug/L	100
30) Cyclohexane	7.95	56	240613	25.778	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	191336	26.177	ug/L	99
32) Carbon tetrachloride	8.06	117	181176	25.821	ug/L	98
34) Benzene	8.32	78	565162	26.417	ug/L	100
35) Trichloroethene	9.09	95	147043	25.766	ug/L	99
36) Methylcyclohexane	9.33	83	263622	25.764	ug/L	99
40) 1,2-Dichloropropane	9.37	63	135915	26.391	ug/L	100
41) Bromodichloromethane	9.64	83	169715	27.259	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	218244	26.853	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	182263	53.602	ug/L	100
44) Toluene	10.38	91	613722	26.312	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	175731	27.343	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	101872	26.921	ug/L	99
47) Tetrachloroethene	10.86	164	133691	26.283	ug/L	97
49) 2-Hexanone	10.96	43	130430	53.205	ug/L	97
50) Dibromochloromethane	11.13	129	121750	27.373	ug/L	99
51) 1,2-Dibromoethane	11.23	107	98864	26.928	ug/L	99
52) Chlorobenzene	11.65	112	388051	26.538	ug/L	97
53) Ethylbenzene	11.73	91	680226	26.576	ug/L	97
54) m,p-Xylene	11.83	106	261212	26.260	ug/L	99
55) o-xylene	12.16	106	247582	26.580	ug/L	100
56) Styrene	12.18	104	426131	27.081	ug/L	98
57) Isopropylbenzene	12.46	105	674663	26.343	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	123328	27.916	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	91665	27.588	ug/L	98
62) Bromoform	12.35	173	76100	26.361	ug/L	99
63) 1,3-Dichlorobenzene	13.49	146	313015	25.306	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	307231	25.140	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	281775	25.726	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	20158	27.024	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	249419	26.460	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	200256	27.018	ug/L	99
69) Naphthalene	15.36	128	368272	27.967	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	175417	26.817	ug/L	98

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

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