

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111919\
 Data File : VW014084.D
 Acq On : 19 Nov 2019 15:08
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 4.94G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Quant Time: Nov 20 06:03:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 20 05:59:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	311071	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	298500	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	184673	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	114459	23.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.24%
7) Chloroethane-d5	2.89	69	94638	23.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.08%
10) 1,1-Dichloroethene-d2	4.02	63	239955	23.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.24%
20) 2-Butanone-d5	7.07	46	79579	55.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.38%
24) Chloroform-d	7.64	84	244598	25.57	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.28%
26) 1,2-Dichloroethane-d4	8.30	65	127860	26.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.36%
29) Benzene-d6	8.27	84	496729	23.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.80%
33) 1,2-Dichloropropane-d6	9.27	67	151228	24.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.52%
37) Toluene-d8	10.32	98	476014	23.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.80%
38) trans-1,3-Dichloropropene-	10.57	79	66981	25.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.84%
39) 2-Hexanone-d5	10.92	63	64750	55.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132281	28.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	175142	23.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	83611	22.601	ug/L 97
3) Chloromethane	2.21	50	68681	20.901	ug/L 99
5) Vinyl chloride	2.36	62	136502	26.605	ug/L 94
6) Bromomethane	2.78	94	83348	26.238	ug/L 100
8) Chloroethane	2.92	64	80087	26.242	ug/L 96
9) Trichlorofluoromethane	3.25	101	74535	21.304	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	138396	26.790	ug/L 98
12) 1,1-Dichloroethene	4.03	96	137559	26.195	ug/L 87
13) Acetone	4.12	43	50509	34.426	ug/L 97
14) Carbon disulfide	4.38	76	385081	25.765	ug/L 99
15) Methyl Acetate	4.67	43	69590	29.315	ug/L 99
16) Methylene chloride	4.91	84	144743	24.170	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	178327	26.323	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	143923	26.282	ug/L 92
19) 1,1-Dichloroethane	6.21	63	250268	27.133	ug/L 98
21) 2-Butanone	7.17	43	91218	48.393	ug/L 98
22) cis-1,2-Dichloroethene	7.16	96	156258	27.116	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	72725	28.750	ug/L	91
25) Chloroform	7.67	83	256933	28.365	ug/L	100
27) 1,2-Dichloroethane	8.40	62	165917	30.254	ug/L	98
30) Cyclohexane	7.95	56	239431	25.064	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	198527	26.539	ug/L	98
32) Carbon tetrachloride	8.06	117	194222	27.046	ug/L	99
34) Benzene	8.32	78	584335	26.688	ug/L	100
35) Trichloroethene	9.09	95	151829	25.996	ug/L	99
36) Methylcyclohexane	9.33	83	263268	25.140	ug/L	98
40) 1,2-Dichloropropane	9.37	63	145947	27.690	ug/L	99
41) Bromodichloromethane	9.64	83	182494	28.640	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	230958	27.767	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	195372	56.141	ug/L	100
44) Toluene	10.38	91	634815	26.593	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	187446	28.498	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	110272	28.474	ug/L	96
47) Tetrachloroethene	10.86	164	138676	26.639	ug/L	98
49) 2-Hexanone	10.96	43	135708	54.090	ug/L	98
50) Dibromochloromethane	11.13	129	134460	29.539	ug/L	100
51) 1,2-Dibromoethane	11.23	107	106688	28.393	ug/L	98
52) Chlorobenzene	11.65	112	402230	26.877	ug/L	94
53) Ethylbenzene	11.73	91	705713	26.940	ug/L	99
54) m,p-Xylene	11.84	106	276288	27.140	ug/L	99
55) o-xylene	12.16	106	262248	27.509	ug/L	95
56) Styrene	12.18	104	454530	28.225	ug/L	99
57) Isopropylbenzene	12.46	105	707396	26.989	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	136516	30.193	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	100114	29.441	ug/L	99
62) Bromoform	12.35	173	85406	28.220	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	332524	25.644	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	332870	25.982	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	305654	26.619	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	21940	28.057	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	259350	26.244	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	206181	26.535	ug/L	98
69) Naphthalene	15.36	128	374322	27.116	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	186083	27.136	ug/L	98

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

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