

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122719\
 Data File : VW014488.D
 Acq On : 28 Dec 2019 03:54
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Dec 28 04:34:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 28 03:24:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1233062	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1089521	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	518582	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	424750	24.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.72%
7) Chloroethane-d5	2.88	69	346503	27.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.24%
10) 1,1-Dichloroethene-d2	4.02	63	795035	25.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.00%
20) 2-Butanone-d5	7.07	46	232825	56.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.58%
24) Chloroform-d	7.65	84	777793	27.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.68%
26) 1,2-Dichloroethane-d4	8.30	65	391588	26.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.40%
29) Benzene-d6	8.27	84	1688457	29.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	116.56%
33) 1,2-Dichloropropane-d6	9.27	67	509015	29.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.88%
37) Toluene-d8	10.32	98	1544872	29.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	117.64%
38) trans-1,3-Dichloropropene-	10.57	79	200342	27.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	111.36%
39) 2-Hexanone-d5	10.92	63	185219	62.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	376762	28.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	508966	29.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	119.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	239067	21.673	ug/L	98
3) Chloromethane	2.21	50	253790	20.351	ug/L	99
5) Vinyl chloride	2.36	62	401053	22.602	ug/L	98
6) Bromomethane	2.78	94	251569	24.280	ug/L	99
8) Chloroethane	2.92	64	245831	24.776	ug/L	97
9) Trichlorofluoromethane	3.25	101	178163	18.983	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	372809	23.139	ug/L	99
12) 1,1-Dichloroethene	4.04	96	379520	24.055	ug/L	96
13) Acetone	4.12	43	152350	26.603	ug/L	95
14) Carbon disulfide	4.39	76	1122765	23.049	ug/L	98
15) Methyl Acetate	4.66	43	184790	23.913	ug/L	99
16) Methylene chloride	4.92	84	420199	20.898	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	528201	26.010	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	403755	24.293	ug/L	96
19) 1,1-Dichloroethane	6.21	63	720006	23.965	ug/L	99
21) 2-Butanone	7.17	43	243030	39.554	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	437076	24.984	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	181216	23.928	ug/L	95
25) Chloroform	7.67	83	684678	23.826	ug/L	99
27) 1,2-Dichloroethane	8.40	62	422639	22.656	ug/L	100
30) Cyclohexane	7.95	56	708677	25.428	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	535195	23.947	ug/L	98
32) Carbon tetrachloride	8.07	117	485605	23.321	ug/L	98
34) Benzene	8.32	78	1640355	25.018	ug/L	100
35) Trichloroethene	9.09	95	417055	24.646	ug/L	99
36) Methylcyclohexane	9.33	83	748338	25.208	ug/L	98
40) 1,2-Dichloropropane	9.37	63	405926	24.461	ug/L	99
41) Bromodichloromethane	9.64	83	475239	23.808	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	607743	24.516	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	516786	48.510	ug/L	99
44) Toluene	10.38	91	1728706	25.230	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	473710	23.898	ug/L	97
46) 1,1,2-Trichloroethane	10.78	97	285051	24.250	ug/L	99
47) Tetrachloroethene	10.86	164	345305	24.302	ug/L	97
49) 2-Hexanone	10.96	43	346014	47.564	ug/L	99
50) Dibromochloromethane	11.12	129	323573	24.243	ug/L	95
51) 1,2-Dibromoethane	11.23	107	270417	24.371	ug/L	99
52) Chlorobenzene	11.65	112	1077138	24.869	ug/L	98
53) Ethylbenzene	11.73	91	1898125	25.196	ug/L	98
54) m,p-Xylene	11.84	106	727161	25.507	ug/L	96
55) o-xylene	12.16	106	694560	25.793	ug/L	97
56) Styrene	12.18	104	1168478	25.781	ug/L	98
57) Isopropylbenzene	12.46	105	1860508	25.974	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	344096	24.110	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	255169	23.867	ug/L	98
62) Bromoform	12.35	173	187583	24.207	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	816550	24.871	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	804626	24.305	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	741959	25.209	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	52190	23.946	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	598988	24.628	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	487628	26.746	ug/L	99
69) Naphthalene	15.36	128	954032	30.311	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	437072	26.455	ug/L	98

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

