

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122819\
 Data File : VW014493.D
 Acq On : 28 Dec 2019 13:45
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: Dec 30 03:15:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 30 03:13:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1226693	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1065236	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	506029	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	362246	20.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.80%
7) Chloroethane-d5	2.89	69	288501	22.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.56%
10) 1,1-Dichloroethene-d2	4.02	63	700173	22.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.56%
20) 2-Butanone-d5	7.07	46	172667	41.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.92%
24) Chloroform-d	7.64	84	611765	21.68	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.72%
26) 1,2-Dichloroethane-d4	8.30	65	300592	20.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.08%
29) Benzene-d6	8.27	84	1321722	23.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.32%
33) 1,2-Dichloropropane-d6	9.27	67	389682	22.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.52%
37) Toluene-d8	10.32	98	1203686	23.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.76%
38) trans-1,3-Dichloropropene-	10.57	79	158767	22.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.28%
39) 2-Hexanone-d5	10.92	63	131577	45.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	277381	21.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	385413	23.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	252343	22.995	ug/L 99
3) Chloromethane	2.21	50	267115	21.531	ug/L 99
5) Vinyl chloride	2.36	62	426721	24.174	ug/L 99
6) Bromomethane	2.78	94	252563	24.502	ug/L 100
8) Chloroethane	2.92	64	243645	24.683	ug/L 97
9) Trichlorofluoromethane	3.26	101	236469	25.326	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	379440	23.673	ug/L 99
12) 1,1-Dichloroethene	4.04	96	385636	24.569	ug/L 99
13) Acetone	4.11	43	234854	41.222	ug/L 99
14) Carbon disulfide	4.38	76	1159857	23.935	ug/L 99
15) Methyl Acetate	4.67	43	171053	22.250	ug/L 100
16) Methylene chloride	4.92	84	402966	20.145	ug/L 100
17) Methyl tert-butyl Ether	5.42	73	471440	23.335	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	398107	24.078	ug/L 99
19) 1,1-Dichloroethane	6.21	63	698637	23.375	ug/L 100
21) 2-Butanone	7.17	43	267906	43.829	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	416359	23.923	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	173944	23.087	ug/L	97
25) Chloroform	7.67	83	659844	23.081	ug/L	100
27) 1,2-Dichloroethane	8.40	62	406337	21.896	ug/L	98
30) Cyclohexane	7.95	56	714229	26.212	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	533270	24.404	ug/L	99
32) Carbon tetrachloride	8.07	117	492284	24.180	ug/L	98
34) Benzene	8.32	78	1588190	24.775	ug/L	100
35) Trichloroethene	9.09	95	407400	24.625	ug/L	99
36) Methylcyclohexane	9.33	83	755863	26.042	ug/L	98
40) 1,2-Dichloropropane	9.37	63	387259	23.868	ug/L	100
41) Bromodichloromethane	9.64	83	455737	23.351	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	591161	24.391	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	462884	44.440	ug/L	100
44) Toluene	10.38	91	1679003	25.063	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	458227	23.644	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	267882	23.309	ug/L	98
47) Tetrachloroethene	10.86	164	338391	24.359	ug/L	94
49) 2-Hexanone	10.96	43	341027	47.947	ug/L	98
50) Dibromochloromethane	11.13	129	304522	23.336	ug/L	94
51) 1,2-Dibromoethane	11.23	107	253744	23.390	ug/L	100
52) Chlorobenzene	11.65	112	1022379	24.143	ug/L	99
53) Ethylbenzene	11.73	91	1848289	25.094	ug/L	99
54) m,p-Xylene	11.84	106	708979	25.436	ug/L	93
55) o-xylene	12.16	106	655364	24.892	ug/L	100
56) Styrene	12.18	104	1104304	24.921	ug/L	97
57) Isopropylbenzene	12.46	105	1792711	25.598	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	311285	22.308	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	232309	22.224	ug/L	99
62) Bromoform	12.35	173	173022	22.881	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	790120	24.663	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	777817	24.078	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	703268	24.487	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	46440	21.836	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	598710	25.228	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	455795	25.620	ug/L	100
69) Naphthalene	15.36	128	781160	25.434	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	404476	25.090	ug/L	99

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

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