

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103119\
 Data File : VW013876.D
 Acq On : 31 Oct 2019 23:28
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Quant Time: Nov 01 05:51:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 01 02:10:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	306088	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	305531	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	185458	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	105804	22.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.80%
7) Chloroethane-d5	2.89	69	85206	23.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.48%
10) 1,1-Dichloroethene-d2	4.03	63	211284	22.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.64%
20) 2-Butanone-d5	7.07	46	87525	53.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.88%
24) Chloroform-d	7.65	84	228907	24.44	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.76%
26) 1,2-Dichloroethane-d4	8.31	65	125687	24.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.68%
29) Benzene-d6	8.27	84	476221	24.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.24%
33) 1,2-Dichloropropane-d6	9.27	67	142548	24.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.12%
37) Toluene-d8	10.32	98	452858	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.68%
38) trans-1,3-Dichloropropene-	10.58	79	63714	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.92%
39) 2-Hexanone-d5	10.92	63	71289	52.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	132616	24.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	171817	24.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	63879	18.875 ug/L	94
3) Chloromethane	2.21	50	79529	21.859 ug/L	98
5) Vinyl chloride	2.37	62	116197	22.526 ug/L	98
6) Bromomethane	2.78	94	75408	23.203 ug/L	100
8) Chloroethane	2.92	64	67704	23.241 ug/L	98
9) Trichlorofluoromethane	3.25	101	42946	19.093 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	118288	23.407 ug/L	97
12) 1,1-Dichloroethene	4.04	96	118119	23.308 ug/L	91
13) Acetone	4.12	43	54379	35.479 ug/L	93
14) Carbon disulfide	4.39	76	347607	23.600 ug/L	97
15) Methyl Acetate	4.67	43	73166	25.926 ug/L	99
16) Methylene chloride	4.92	84	134014	22.396 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	158520	25.121 ug/L #	88
18) trans-1,2-Dichloroethene	5.42	96	128956	24.294 ug/L	96
19) 1,1-Dichloroethane	6.21	63	223628	24.629 ug/L	97
21) 2-Butanone	7.17	43	101060	45.951 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	138000	24.287 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	67339	25.387	ug/L	97
25) Chloroform	7.67	83	223989	24.572	ug/L	99
27) 1,2-Dichloroethane	8.40	62	151902	25.336	ug/L	100
30) Cyclohexane	7.96	56	203438	23.197	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	166374	23.760	ug/L	100
32) Carbon tetrachloride	8.07	117	164028	23.533	ug/L	100
34) Benzene	8.32	78	518520	24.473	ug/L	100
35) Trichloroethene	9.09	95	133994	23.963	ug/L	98
36) Methylcyclohexane	9.34	83	230409	23.803	ug/L	100
40) 1,2-Dichloropropane	9.37	63	128752	24.599	ug/L	99
41) Bromodichloromethane	9.64	83	164659	25.049	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	201894	24.570	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	207350	51.341	ug/L	98
44) Toluene	10.39	91	564405	24.671	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	165921	24.758	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	105203	24.929	ug/L	97
47) Tetrachloroethene	10.86	164	118316	23.560	ug/L	97
49) 2-Hexanone	10.97	43	148188	51.275	ug/L	97
50) Dibromochloromethane	11.13	129	124857	25.449	ug/L	99
51) 1,2-Dibromoethane	11.23	107	102658	24.853	ug/L	97
52) Chlorobenzene	11.66	112	363834	24.524	ug/L	97
53) Ethylbenzene	11.73	91	619953	24.550	ug/L	97
54) m,p-Xylene	11.84	106	240322	24.325	ug/L	98
55) o-xylene	12.16	106	231732	24.920	ug/L	99
56) Styrene	12.18	104	404100	25.327	ug/L	98
57) Isopropylbenzene	12.46	105	617573	24.816	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	135608	25.596	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	101675	25.187	ug/L	99
62) Bromoform	12.35	173	82424	25.543	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	298494	24.660	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	296761	24.170	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	279852	25.013	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.48	75	23351	26.407	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	229662	24.663	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	190422	25.495	ug/L	99
69) Naphthalene	15.36	128	402859	28.037	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	180864	26.190	ug/L	98

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

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