

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102219\
 Data File : VW013659.D
 Acq On : 22 Oct 2019 17:24
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Quant Time: Oct 22 17:50:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 22 14:36:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	338785	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	325231	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	199566	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	98475	23.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.76%
7) Chloroethane-d5	2.89	69	87576	22.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.28%
10) 1,1-Dichloroethene-d2	4.03	63	217689	23.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.84%
20) 2-Butanone-d5	7.08	46	76202	51.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.52%
24) Chloroform-d	7.65	84	231256	24.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	8.31	65	117838	23.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.08%
29) Benzene-d6	8.27	84	460910	23.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.36%
33) 1,2-Dichloropropane-d6	9.27	67	141895	24.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.24%
37) Toluene-d8	10.32	98	423786	23.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.08%
38) trans-1,3-Dichloropropene-	10.58	79	62487	23.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.96%
39) 2-Hexanone-d5	10.92	63	61358	55.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	123342	25.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	163830	23.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	78918	20.710	ug/L	98
3) Chloromethane	2.21	50	85007	20.608	ug/L	96
5) Vinyl chloride	2.37	62	136640	26.507	ug/L	100
6) Bromomethane	2.78	94	86782	23.299	ug/L	99
8) Chloroethane	2.93	64	82615	23.716	ug/L	99
9) Trichlorofluoromethane	3.26	101	88824	25.565	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	138074	25.238	ug/L	99
12) 1,1-Dichloroethene	4.04	96	138937	25.804	ug/L	98
13) Acetone	4.14	43	67598	40.968	ug/L	97
14) Carbon disulfide	4.39	76	398949	25.895	ug/L	100
15) Methyl Acetate	4.67	43	67223	24.934	ug/L	99
16) Methylene chloride	4.92	84	146508	22.584	ug/L	100
17) Methyl tert-butyl Ether	5.43	73	188541	25.308	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	149242	25.075	ug/L	96
19) 1,1-Dichloroethane	6.21	63	251021	24.916	ug/L	97
21) 2-Butanone	7.17	43	94008	44.873	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	158193	24.761	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	72303	25.039	ug/L	99
25) Chloroform	7.67	83	253495	25.049	ug/L	100
27) 1,2-Dichloroethane	8.40	62	161119	24.840	ug/L	96
30) Cyclohexane	7.96	56	247467	25.972	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	198908	26.222	ug/L	99
32) Carbon tetrachloride	8.07	117	192399	26.047	ug/L	98
34) Benzene	8.32	78	589194	25.249	ug/L	100
35) Trichloroethene	9.09	95	153699	25.671	ug/L	99
36) Methylcyclohexane	9.34	83	269810	25.567	ug/L	99
40) 1,2-Dichloropropane	9.37	63	143255	25.107	ug/L	99
41) Bromodichloromethane	9.65	83	177708	25.419	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	229928	25.524	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	189569	48.697	ug/L	99
44) Toluene	10.38	91	644804	25.718	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	183581	25.246	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	110204	25.044	ug/L	98
47) Tetrachloroethene	10.86	164	142618	26.023	ug/L	97
49) 2-Hexanone	10.97	43	138647	50.203	ug/L	99
50) Dibromochloromethane	11.13	129	132650	25.542	ug/L	94
51) 1,2-Dibromoethane	11.23	107	108399	25.331	ug/L	99
52) Chlorobenzene	11.66	112	406460	25.338	ug/L	98
53) Ethylbenzene	11.73	91	709287	25.605	ug/L	98
54) m,p-Xylene	11.84	106	277723	25.944	ug/L	99
55) o-xylene	12.16	106	260991	25.692	ug/L	96
56) Styrene	12.18	104	450757	25.939	ug/L	98
57) Isopropylbenzene	12.46	105	704543	25.856	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	131526	25.501	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	98107	25.508	ug/L	99
62) Bromoform	12.35	173	83499	24.414	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	328965	24.293	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	333956	24.542	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	298325	24.315	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	20587	24.412	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	249959	24.830	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	211706	24.771	ug/L	100
69) Naphthalene	15.36	128	397823	25.689	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	188368	24.612	ug/L	100

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

