

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110719\
 Data File : VW013928.D
 Acq On : 07 Nov 2019 12:48
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Quant Time: Nov 08 00:48:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 07 10:41:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	311716	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	301678	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	186664	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	92011	18.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.88%
7) Chloroethane-d5	2.89	69	80139	20.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.72%
10) 1,1-Dichloroethene-d2	4.03	63	211668	21.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.68%
20) 2-Butanone-d5	7.07	46	76886	44.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.10%
24) Chloroform-d	7.65	84	220769	22.48	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.92%
26) 1,2-Dichloroethane-d4	8.30	65	112701	21.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.28%
29) Benzene-d6	8.27	84	441469	21.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.40%
33) 1,2-Dichloropropane-d6	9.27	67	137311	22.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.76%
37) Toluene-d8	10.32	98	413725	21.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.32%
38) trans-1,3-Dichloropropene-	10.58	79	61554	22.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.16%
39) 2-Hexanone-d5	10.92	63	62685	45.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121934	22.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	167224	22.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.56%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	80169	23.928	ug/L 98
3) Chloromethane	2.21	50	83960	21.851	ug/L 99
5) Vinyl chloride	2.37	62	136788	24.924	ug/L 99
6) Bromomethane	2.78	94	86321	25.005	ug/L 100
8) Chloroethane	2.93	64	81492	26.156	ug/L 98
9) Trichlorofluoromethane	3.26	101	78558	28.099	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	136805	25.498	ug/L 99
12) 1,1-Dichloroethene	4.04	96	136721	25.415	ug/L 86
13) Acetone	4.12	43	68942	40.558	ug/L 95
14) Carbon disulfide	4.38	76	399272	25.968	ug/L 100
15) Methyl Acetate	4.67	43	66827	22.704	ug/L 98
16) Methylene chloride	4.92	84	142143	24.388	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	180442	26.514	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	144217	25.723	ug/L 97
19) 1,1-Dichloroethane	6.21	63	246193	25.863	ug/L 98
21) 2-Butanone	7.16	43	97838	41.932	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	153721	26.072	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	68670	24.770	ug/L	94
25) Chloroform	7.67	83	242324	25.320	ug/L	99
27) 1,2-Dichloroethane	8.40	62	155449	24.558	ug/L	96
30) Cyclohexane	7.95	56	242438	26.631	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	196025	26.535	ug/L	99
32) Carbon tetrachloride	8.07	117	189852	26.280	ug/L	99
34) Benzene	8.32	78	570487	26.047	ug/L	100
35) Trichloroethene	9.09	95	147399	25.531	ug/L	98
36) Methylcyclohexane	9.33	83	267099	26.357	ug/L	99
40) 1,2-Dichloropropane	9.37	63	138905	25.840	ug/L	100
41) Bromodichloromethane	9.64	83	175496	25.969	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	221895	26.192	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	190305	46.031	ug/L	100
44) Toluene	10.38	91	623323	26.485	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	182341	26.048	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	105872	24.664	ug/L	99
47) Tetrachloroethene	10.86	164	133434	25.103	ug/L	99
49) 2-Hexanone	10.97	43	142693	46.982	ug/L	98
50) Dibromochloromethane	11.13	129	130298	26.149	ug/L	97
51) 1,2-Dibromoethane	11.23	107	105088	24.765	ug/L	99
52) Chlorobenzene	11.66	112	395199	26.038	ug/L	99
53) Ethylbenzene	11.73	91	688639	26.286	ug/L	99
54) m,p-Xylene	11.84	106	270056	26.748	ug/L	96
55) o-xylene	12.16	106	255047	26.725	ug/L	99
56) Styrene	12.18	104	440450	26.745	ug/L	97
57) Isopropylbenzene	12.46	105	694160	26.975	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	130452	24.131	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	96492	23.773	ug/L	99
62) Bromoform	12.35	173	82966	24.446	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	329681	25.504	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	330206	25.483	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	296809	25.393	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	21065	22.497	ug/L	86
67) 1,3,5-Trichlorobenzene	14.63	180	259328	26.636	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	215992	27.402	ug/L	95
69) Naphthalene	15.36	128	395119	26.422	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	196312	27.027	ug/L	99

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

