

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081820\
 Data File : VW016229.D
 Acq On : 18 Aug 2020 09:25
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Quant Time: Aug 19 05:45:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 18 03:20:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	399698	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	368360	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	178180	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	94879	19.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.60%
7) Chloroethane-d5	2.90	69	77978	20.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.92%
10) 1,1-Dichloroethene-d2	4.02	63	229265	21.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.12%
20) 2-Butanone-d5	7.08	46	57983	44.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.94%
24) Chloroform-d	7.65	84	239276	22.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.24%
26) 1,2-Dichloroethane-d4	8.31	65	118184	20.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.96%
29) Benzene-d6	8.27	84	459414	22.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.72%
33) 1,2-Dichloropropane-d6	9.27	67	131983	22.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.60%
37) Toluene-d8	10.32	98	426271	23.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.76%
38) trans-1,3-Dichloropropene-	10.58	79	58712	22.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.68%
39) 2-Hexanone-d5	10.93	63	48374	47.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	112630	23.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	148573	23.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	110675	27.410	ug/L 98
3) Chloromethane	2.22	50	92542	23.079	ug/L 98
5) Vinyl chloride	2.37	62	127670	23.990	ug/L 100
6) Bromomethane	2.79	94	81385	24.418	ug/L 99
8) Chloroethane	2.93	64	73764	24.615	ug/L 98
9) Trichlorofluoromethane	3.26	101	115030	30.281	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	133582	24.883	ug/L 93
12) 1,1-Dichloroethene	4.04	96	135107	26.337	ug/L 82
13) Acetone	4.12	43	52393	53.113	ug/L 95
14) Carbon disulfide	4.38	76	416097	25.840	ug/L 98
15) Methyl Acetate	4.67	43	51446	22.181	ug/L 97
16) Methylene chloride	4.92	84	141812	22.470	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	182024	25.039	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	140027	25.949	ug/L 87
19) 1,1-Dichloroethane	6.22	63	230571	24.149	ug/L 98
21) 2-Butanone	7.17	43	70400	45.031	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	142948	25.111	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.52	128	67814	25.956	ug/L #	89
25) Chloroform	7.68	83	245336	24.153	ug/L	99
27) 1,2-Dichloroethane	8.40	62	148634	21.967	ug/L	95
30) Cyclohexane	7.96	56	203936	25.444	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	214081	25.292	ug/L	99
32) Carbon tetrachloride	8.07	117	201681	25.192	ug/L	99
34) Benzene	8.32	78	544248	25.621	ug/L	100
35) Trichloroethene	9.09	95	143784	25.173	ug/L	96
36) Methylcyclohexane	9.34	83	249427	26.508	ug/L	97
40) 1,2-Dichloropropane	9.37	63	126745	24.297	ug/L	99
41) Bromodichloromethane	9.65	83	172694	24.099	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	200601	25.251	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	142930	45.555	ug/L	97
44) Toluene	10.39	91	593826	26.482	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	177760	24.909	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	101574	24.737	ug/L	99
47) Tetrachloroethene	10.87	164	112127	26.186	ug/L	99
49) 2-Hexanone	10.97	43	99222	46.866	ug/L	97
50) Dibromochloromethane	11.13	129	123569	25.551	ug/L	100
51) 1,2-Dibromoethane	11.24	107	98933	25.414	ug/L	97
52) Chlorobenzene	11.66	112	377859	25.468	ug/L	94
53) Ethylbenzene	11.73	91	658274	25.874	ug/L	98
54) m,p-Xylene	11.84	106	255266	26.673	ug/L	96
55) o-xylene	12.17	106	239439	26.562	ug/L	97
56) Styrene	12.18	104	421708	27.021	ug/L	98
57) Isopropylbenzene	12.47	105	654396	26.925	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	119111	24.861	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	86739	23.897	ug/L	99
62) Bromoform	12.35	173	64177	23.819	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	288020	25.593	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	291998	25.470	ug/L	93
65) 1,2-Dichlorobenzene	13.87	146	259493	25.149	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	19018	21.019	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.63	180	188539	26.550	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	155435	27.007	ug/L	96
69) Naphthalene	15.37	128	312527	25.726	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	139113	26.605	ug/L	98

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

