

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072420\
 Data File : VW015958.D
 Acq On : 24 Jul 2020 18:27
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.71G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Quant Time: Jul 25 05:18:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 25 05:14:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	440543	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	408057	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	197953	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	118171	19.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.04%
7) Chloroethane-d5	2.90	69	111580	22.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.40%
10) 1,1-Dichloroethene-d2	4.02	63	275579	21.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.72%
20) 2-Butanone-d5	7.09	46	89200	54.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.26%
24) Chloroform-d	7.65	84	291395	23.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	8.31	65	157072	23.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.52%
29) Benzene-d6	8.28	84	569477	22.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.72%
33) 1,2-Dichloropropane-d6	9.28	67	176433	23.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.76%
37) Toluene-d8	10.33	98	512427	22.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.12%
38) trans-1,3-Dichloropropene-	10.58	79	70661	22.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.04%
39) 2-Hexanone-d5	10.93	63	68065	54.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	147250	25.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	176271	22.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	88588	23.764	ug/L 99
3) Chloromethane	2.21	50	109670	24.325	ug/L 99
5) Vinyl chloride	2.37	62	163908	23.571	ug/L 98
6) Bromomethane	2.79	94	99874	24.075	ug/L 99
8) Chloroethane	2.93	64	101743	24.976	ug/L 98
9) Trichlorofluoromethane	3.26	101	126773	27.122	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	146994	25.727	ug/L 98
12) 1,1-Dichloroethene	4.04	96	143866	25.404	ug/L 95
13) Acetone	4.12	43	72976	53.217	ug/L 96
14) Carbon disulfide	4.38	76	429727	24.027	ug/L 100
15) Methyl Acetate	4.67	43	69925	27.044	ug/L 98
16) Methylene chloride	4.92	84	183790	25.460	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	225051	28.103	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	151546	25.341	ug/L 97
19) 1,1-Dichloroethane	6.22	63	283075	25.687	ug/L 99
21) 2-Butanone	7.18	43	96890	57.138	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	164631	26.313	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	73566	26.814	ug/L	92
25) Chloroform	7.68	83	282529	25.868	ug/L	99
27) 1,2-Dichloroethane	8.40	62	187800	25.270	ug/L	96
30) Cyclohexane	7.96	56	253855	24.672	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	234366	24.597	ug/L	99
32) Carbon tetrachloride	8.07	117	209093	24.200	ug/L	99
34) Benzene	8.33	78	634518	25.602	ug/L	100
35) Trichloroethene	9.09	95	161691	24.663	ug/L	98
36) Methylcyclohexane	9.34	83	284497	25.290	ug/L	99
40) 1,2-Dichloropropane	9.37	63	159765	26.022	ug/L	100
41) Bromodichloromethane	9.65	83	198512	25.036	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	241557	25.833	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	194042	54.146	ug/L	98
44) Toluene	10.39	91	673668	25.917	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	210978	26.030	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	117476	26.608	ug/L	98
47) Tetrachloroethene	10.87	164	125456	24.653	ug/L	98
49) 2-Hexanone	10.97	43	137625	54.117	ug/L	98
50) Dibromochloromethane	11.13	129	133913	26.198	ug/L	99
51) 1,2-Dibromoethane	11.24	107	111604	26.424	ug/L	99
52) Chlorobenzene	11.66	112	426363	25.598	ug/L	97
53) Ethylbenzene	11.73	91	752297	25.738	ug/L	97
54) m,p-Xylene	11.84	106	282747	25.856	ug/L	100
55) o-xylene	12.17	106	271348	26.351	ug/L	100
56) Styrene	12.18	104	467720	26.709	ug/L	100
57) Isopropylbenzene	12.47	105	740500	26.417	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	143685	27.715	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	103875	26.741	ug/L	100
62) Bromoform	12.35	173	73854	25.362	ug/L #	99
63) 1,3-Dichlorobenzene	13.50	146	314422	24.818	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	317564	24.698	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	291092	25.295	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	21653	24.998	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	228522	25.653	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	180422	25.498	ug/L	98
69) Naphthalene	15.37	128	354266	26.576	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	163521	25.937	ug/L	98

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

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