

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072320\
 Data File : VW015917.D
 Acq On : 23 Jul 2020 10:58
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Jul 24 06:55:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 17:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	450895	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	414759	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	197823	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	135572	21.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.24%
7) Chloroethane-d5	2.89	69	123597	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.68%
10) 1,1-Dichloroethene-d2	4.01	63	306852	23.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.44%
20) 2-Butanone-d5	7.09	46	94903	56.78	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.56%
24) Chloroform-d	7.65	84	312120	24.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	8.31	65	171150	24.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.48%
29) Benzene-d6	8.27	84	606495	24.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.08%
33) 1,2-Dichloropropane-d6	9.27	67	184038	24.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.28%
37) Toluene-d8	10.32	98	545866	23.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.48%
38) trans-1,3-Dichloropropene-	10.58	79	77489	24.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.08%
39) 2-Hexanone-d5	10.93	63	74762	59.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	159935	27.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.96%
61) 1,2-Dichlorobenzene-d4	13.86	152	188495	24.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	97947	25.672 ug/L	99
3) Chloromethane	2.21	50	124902	27.067 ug/L	99
5) Vinyl chloride	2.37	62	177325	24.915 ug/L	99
6) Bromomethane	2.79	94	107182	25.243 ug/L	98
8) Chloroethane	2.93	64	108657	26.061 ug/L	99
9) Trichlorofluoromethane	3.26	101	137373	28.715 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	151567	25.918 ug/L	99
12) 1,1-Dichloroethene	4.03	96	150534	25.971 ug/L	95
13) Acetone	4.15	43	85593	60.984 ug/L	97
14) Carbon disulfide	4.38	76	455607	24.889 ug/L	99
15) Methyl Acetate	4.68	43	74211	28.043 ug/L	99
16) Methylene chloride	4.92	84	175680	23.778 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	228929	27.931 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	156233	25.525 ug/L	98
19) 1,1-Dichloroethane	6.22	63	291356	25.831 ug/L	98
21) 2-Butanone	7.18	43	106939	61.616 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	165336	25.819 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	75181	26.773	ug/L	94
25) Chloroform	7.68	83	286250	25.607	ug/L	100
27) 1,2-Dichloroethane	8.40	62	196360	25.815	ug/L	97
30) Cyclohexane	7.96	56	265379	25.375	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	244842	25.282	ug/L	99
32) Carbon tetrachloride	8.07	117	221500	25.222	ug/L	99
34) Benzene	8.32	78	647604	25.708	ug/L	100
35) Trichloroethene	9.09	95	164160	24.635	ug/L	97
36) Methylcyclohexane	9.34	83	289678	25.334	ug/L	99
40) 1,2-Dichloropropane	9.37	63	161686	25.909	ug/L	100
41) Bromodichloromethane	9.65	83	208059	25.816	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	254122	26.737	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	211574	58.084	ug/L	99
44) Toluene	10.39	91	693353	26.243	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	223006	27.069	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	120346	26.818	ug/L	99
47) Tetrachloroethene	10.87	164	128913	24.923	ug/L	93
49) 2-Hexanone	10.97	43	157305	60.856	ug/L	100
50) Dibromochloromethane	11.13	129	138959	26.746	ug/L	99
51) 1,2-Dibromoethane	11.24	107	116096	27.043	ug/L	99
52) Chlorobenzene	11.66	112	429815	25.388	ug/L	98
53) Ethylbenzene	11.73	91	776728	26.144	ug/L	97
54) m,p-Xylene	11.84	106	291533	26.228	ug/L	94
55) o-xylene	12.17	106	276517	26.420	ug/L	99
56) Styrene	12.18	104	480721	27.008	ug/L	98
57) Isopropylbenzene	12.47	105	752058	26.396	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	149807	28.429	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	113352	28.709	ug/L	99
62) Bromoform	12.35	173	76293	26.217	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	333190	26.316	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	328466	25.562	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	297761	25.891	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	24558	28.371	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	238120	26.748	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	196070	27.728	ug/L	98
69) Naphthalene	15.36	128	400909	30.095	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	178546	28.339	ug/L	99

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

