

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073019\
 Data File : VW011572.D
 Acq On : 30 Jul 2019 12:23
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Quant Time: Jul 31 02:57:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 30 12:12:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	384566	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	339914	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	164816	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	132284	24.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.72%
7) Chloroethane-d5	2.89	69	97248	24.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.72%
10) 1,1-Dichloroethene-d2	4.02	63	312068	25.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.56%
20) 2-Butanone-d5	7.07	46	110195	45.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.38%
24) Chloroform-d	7.65	84	251660	23.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.32%
26) 1,2-Dichloroethane-d4	8.31	65	146385	23.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.68%
29) Benzene-d6	8.27	84	514339	24.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.24%
33) 1,2-Dichloropropane-d6	9.27	67	166745	24.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.68%
37) Toluene-d8	10.32	98	465209	24.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.08%
38) trans-1,3-Dichloropropene-	10.58	79	72990	24.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.52%
39) 2-Hexanone-d5	10.92	63	77853	48.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	134208	23.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	151511	23.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	126341	29.314	ug/L 97
3) Chloromethane	2.21	50	146718	26.171	ug/L 99
5) Vinyl chloride	2.36	62	191961	26.838	ug/L 98
6) Bromomethane	2.78	94	91660	27.182	ug/L 99
8) Chloroethane	2.92	64	102574	27.420	ug/L 96
9) Trichlorofluoromethane	3.26	101	99666	27.354	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	151254	27.382	ug/L 97
12) 1,1-Dichloroethene	4.04	96	149513	27.069	ug/L 100
13) Acetone	4.12	43	155741	59.638	ug/L 98
14) Carbon disulfide	4.39	76	489422	27.206	ug/L 100
15) Methyl Acetate	4.67	43	106671	24.983	ug/L 99
16) Methylene chloride	4.92	84	152726	25.449	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	247856	26.947	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	151359	26.524	ug/L 99
19) 1,1-Dichloroethane	6.21	63	305008	26.755	ug/L 99
21) 2-Butanone	7.17	43	182423	55.716	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	159274	26.678	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	66653	26.239	ug/L	97
25) Chloroform	7.68	83	276077	26.275	ug/L	99
27) 1,2-Dichloroethane	8.40	62	204690	26.315	ug/L	98
30) Cyclohexane	7.95	56	330272	27.952	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	223092	26.935	ug/L	99
32) Carbon tetrachloride	8.07	117	212165	27.229	ug/L	100
34) Benzene	8.32	78	640606	26.893	ug/L	100
35) Trichloroethene	9.09	95	162475	26.868	ug/L	99
36) Methylcyclohexane	9.34	83	298594	27.218	ug/L	100
40) 1,2-Dichloropropane	9.37	63	170151	26.760	ug/L	100
41) Bromodichloromethane	9.65	83	201464	26.851	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	262121	27.561	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	304752	52.900	ug/L	99
44) Toluene	10.39	91	662484	27.375	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	215805	27.273	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	114273	26.360	ug/L	98
47) Tetrachloroethene	10.86	164	125416	27.152	ug/L	95
49) 2-Hexanone	10.97	43	253544	57.124	ug/L	98
50) Dibromochloromethane	11.13	129	129553	27.113	ug/L	95
51) 1,2-Dibromoethane	11.23	107	111585	26.453	ug/L	100
52) Chlorobenzene	11.66	112	391818	26.835	ug/L	99
53) Ethylbenzene	11.73	91	743350	27.543	ug/L	100
54) m,p-Xylene	11.84	106	271121	27.627	ug/L	94
55) o-xylene	12.16	106	257442	27.874	ug/L	97
56) Styrene	12.18	104	440037	28.025	ug/L	95
57) Isopropylbenzene	12.46	105	709334	27.917	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	150458	26.118	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	114796	25.836	ug/L	98
62) Bromoform	12.35	173	76207	25.844	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	302370	27.030	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	301700	26.857	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	274220	27.072	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	26815	25.578	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	229690	27.897	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	194101	29.272	ug/L	99
69) Naphthalene	15.36	128	391619	29.328	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	179732	29.266	ug/L	100

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

