

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071719\
 Data File : VW011312.D
 Acq On : 17 Jul 2019 16:43
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: Jul 18 05:00:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 18 04:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	350621	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	315683	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	155494	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	97344	18.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.72%
7) Chloroethane-d5	2.89	69	74407	19.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.24%
10) 1,1-Dichloroethene-d2	4.02	63	236133	20.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.32%
20) 2-Butanone-d5	7.07	46	100976	47.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.76%
24) Chloroform-d	7.65	84	212816	22.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.56%
26) 1,2-Dichloroethane-d4	8.31	65	128951	21.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.16%
29) Benzene-d6	8.27	84	419467	21.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.28%
33) 1,2-Dichloropropane-d6	9.27	67	142374	22.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.92%
37) Toluene-d8	10.32	98	373505	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.20%
38) trans-1,3-Dichloropropene-	10.58	79	58083	21.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.28%
39) 2-Hexanone-d5	10.92	63	68798	47.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122176	23.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	128929	21.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	95571	22.162	ug/L	96
3) Chloromethane	2.21	50	95893	20.482	ug/L	99
5) Vinyl chloride	2.36	62	132887	21.747	ug/L	99
6) Bromomethane	2.78	94	62157	21.742	ug/L	100
8) Chloroethane	2.92	64	70306	22.763	ug/L	100
9) Trichlorofluoromethane	3.25	101	49724	23.766	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	117272	25.156	ug/L	98
12) 1,1-Dichloroethene	4.04	96	109768	23.823	ug/L	84
13) Acetone	4.12	43	90924	44.139	ug/L	98
14) Carbon disulfide	4.38	76	284338	21.573	ug/L	100
15) Methyl Acetate	4.67	43	81732	24.384	ug/L	100
16) Methylene chloride	4.92	84	122256	23.728	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	184872	25.872	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	110820	23.801	ug/L	99
19) 1,1-Dichloroethane	6.21	63	236252	24.994	ug/L	98
21) 2-Butanone	7.17	43	125379	47.149	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	124883	24.779	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	52729	24.934	ug/L	97
25) Chloroform	7.67	83	223488	24.961	ug/L	100
27) 1,2-Dichloroethane	8.40	62	165992	24.253	ug/L	98
30) Cyclohexane	7.95	56	225027	23.445	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	165003	25.184	ug/L	99
32) Carbon tetrachloride	8.07	117	153818	25.033	ug/L	100
34) Benzene	8.32	78	490281	24.850	ug/L	100
35) Trichloroethene	9.09	95	122725	24.649	ug/L	99
36) Methylcyclohexane	9.34	83	210703	23.517	ug/L	100
40) 1,2-Dichloropropane	9.37	63	139036	25.717	ug/L	100
41) Bromodichloromethane	9.64	83	161678	25.939	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	207871	26.059	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	251341	50.151	ug/L	99
44) Toluene	10.38	91	515812	25.258	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	170474	25.828	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	96058	25.657	ug/L	97
47) Tetrachloroethene	10.86	164	91583	24.339	ug/L	98
49) 2-Hexanone	10.97	43	179623	49.239	ug/L	97
50) Dibromochloromethane	11.13	129	105752	26.526	ug/L	98
51) 1,2-Dibromoethane	11.24	107	90472	25.026	ug/L	98
52) Chlorobenzene	11.66	112	313163	25.101	ug/L	99
53) Ethylbenzene	11.73	91	585663	25.284	ug/L	100
54) m,p-Xylene	11.84	106	211788	25.183	ug/L	96
55) o-xylene	12.16	106	203933	25.490	ug/L	99
56) Styrene	12.18	104	356994	26.012	ug/L	100
57) Isopropylbenzene	12.46	105	559068	25.599	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	127320	25.563	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	95650	25.007	ug/L	99
62) Bromoform	12.35	173	60025	25.902	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	240576	25.148	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	243863	24.901	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	224923	25.258	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	21186	24.233	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	185651	25.613	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	150772	24.829	ug/L	100
69) Naphthalene	15.37	128	315455	24.805	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	137496	24.748	ug/L	100

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

