

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW031819\
 Data File : VW009218.D
 Acq On : 18 Mar 2019 09:18
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02550

Quant Time: Mar 18 11:10:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 18 02:40:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	506700	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	475210	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	245098	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	149208	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.56%
7) Chloroethane-d5	2.89	69	146135	20.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.52%
10) 1,1-Dichloroethene-d2	4.01	63	319138	24.39	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.56%
20) 2-Butanone-d5	7.07	46	107854	43.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.14%
24) Chloroform-d	7.64	84	314863	22.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.08%
26) 1,2-Dichloroethane-d4	8.30	65	182869	21.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.80%
29) Benzene-d6	8.27	84	587764	22.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.72%
33) 1,2-Dichloropropane-d6	9.27	67	178979	22.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.96%
37) Toluene-d8	10.32	98	551474	22.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.04%
38) trans-1,3-Dichloropropene-	10.57	79	88058	22.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.12%
39) 2-Hexanone-d5	10.92	63	86395	45.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	175922	22.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.76%
61) 1,2-Dichlorobenzene-d4	13.86	152	209109	22.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	179375	26.873	ug/L	92
3) Chloromethane	2.22	50	163966	23.153	ug/L	95
5) Vinyl chloride	2.37	62	223534	30.666	ug/L	100
6) Bromomethane	2.78	94	155408	25.448	ug/L	100
8) Chloroethane	2.93	64	153117	25.389	ug/L	89
9) Trichlorofluoromethane	3.26	101	135972	23.615	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	179039	26.925	ug/L	96
12) 1,1-Dichloroethene	4.04	96	175699	28.159	ug/L	79
13) Acetone	4.12	43	108134	52.658	ug/L	97
14) Carbon disulfide	4.38	76	509794	30.358	ug/L	99
15) Methyl Acetate	4.67	43	95327	23.630	ug/L	96
16) Methylene chloride	4.92	84	169274	22.909	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	219326	24.843	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	174187	26.552	ug/L	100
19) 1,1-Dichloroethane	6.21	63	316483	26.459	ug/L	99
21) 2-Butanone	7.17	43	146698	51.738	ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	187872	26.437	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	86256	25.306	ug/L	97
25) Chloroform	7.67	83	331333	26.451	ug/L	99
27) 1,2-Dichloroethane	8.40	62	243141	26.034	ug/L	98
30) Cyclohexane	7.95	56	297852	27.598	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	261088	27.509	ug/L	99
32) Carbon tetrachloride	8.06	117	276253	28.849	ug/L	98
34) Benzene	8.32	78	704629	27.090	ug/L	100
35) Trichloroethene	9.09	95	185361	26.745	ug/L	99
36) Methylcyclohexane	9.34	83	326639	27.241	ug/L	99
40) 1,2-Dichloropropane	9.37	63	177529	26.598	ug/L	99
41) Bromodichloromethane	9.64	83	245182	26.512	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	285442	26.258	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	291072	48.126	ug/L	99
44) Toluene	10.38	91	761002	26.759	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	251774	26.624	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	136719	25.676	ug/L	97
47) Tetrachloroethene	10.86	164	155991	26.637	ug/L	96
49) 2-Hexanone	10.97	43	218239	51.233	ug/L	97
50) Dibromochloromethane	11.13	129	176705	26.882	ug/L	96
51) 1,2-Dibromoethane	11.23	107	138605	25.677	ug/L	96
52) Chlorobenzene	11.66	112	487506	26.727	ug/L	99
53) Ethylbenzene	11.73	91	872729	27.296	ug/L	98
54) m,p-Xylene	11.84	106	329467	27.123	ug/L	95
55) o-xylene	12.16	106	314827	26.567	ug/L	97
56) Styrene	12.18	104	551700	27.286	ug/L	97
57) Isopropylbenzene	12.46	105	871211	27.444	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	183955	25.608	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	136179	25.544	ug/L	100
62) Bromoform	12.35	173	111283	26.872	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	393194	26.917	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	402127	26.627	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	373281	26.796	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	34248	25.085	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	312385	27.417	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	259248	27.088	ug/L	99
69) Naphthalene	15.37	128	538934	27.161	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	245987	27.442	ug/L	98

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

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