

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032319\
 Data File : VW009416.D
 Acq On : 24 Mar 2019 03:33
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 4.92G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Quant Time: Mar 24 04:00:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 23:52:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	401185	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	395176	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	204106	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	100206	20.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.60%
7) Chloroethane-d5	2.89	69	115562	20.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.40%
10) 1,1-Dichloroethene-d2	4.02	63	236619	22.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.36%
20) 2-Butanone-d5	7.08	46	107434	54.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.38%
24) Chloroform-d	7.64	84	282058	25.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.04%
26) 1,2-Dichloroethane-d4	8.31	65	174547	26.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.88%
29) Benzene-d6	8.27	84	510540	23.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.72%
33) 1,2-Dichloropropane-d6	9.27	67	165430	25.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.08%
37) Toluene-d8	10.32	98	476345	23.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.56%
38) trans-1,3-Dichloropropene-	10.57	79	74344	22.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.44%
39) 2-Hexanone-d5	10.93	63	85027	53.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	177034	27.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	189902	24.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	112235	21.237	ug/L	90
3) Chloromethane	2.21	50	129842	23.157	ug/L	99
5) Vinyl chloride	2.37	62	159878	27.702	ug/L	98
6) Bromomethane	2.78	94	125281	25.910	ug/L	98
8) Chloroethane	2.93	64	121124	25.367	ug/L	90
9) Trichlorofluoromethane	3.25	101	86639	19.005	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	129257	24.551	ug/L	97
12) 1,1-Dichloroethene	4.03	96	129446	26.202	ug/L	91
13) Acetone	4.12	43	73151	44.991	ug/L	97
14) Carbon disulfide	4.38	76	357079	26.857	ug/L	100
15) Methyl Acetate	4.67	43	92137	28.846	ug/L	97
16) Methylene chloride	4.92	84	153651	26.263	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	187825	26.870	ug/L #	79
18) trans-1,2-Dichloroethene	5.42	96	137072	26.390	ug/L	98
19) 1,1-Dichloroethane	6.21	63	266373	28.126	ug/L	99
21) 2-Butanone	7.17	43	123586	55.050	ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	156333	27.784	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	75283	27.896	ug/L	93
25) Chloroform	7.67	83	286468	28.884	ug/L	99
27) 1,2-Dichloroethane	8.40	62	221204	29.914	ug/L	98
30) Cyclohexane	7.95	56	216508	24.124	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	212795	26.961	ug/L	99
32) Carbon tetrachloride	8.06	117	211628	26.576	ug/L	99
34) Benzene	8.32	78	601068	27.789	ug/L	100
35) Trichloroethene	9.09	95	151600	26.303	ug/L	99
36) Methylcyclohexane	9.33	83	243764	24.446	ug/L	99
40) 1,2-Dichloropropane	9.37	63	155297	27.980	ug/L	99
41) Bromodichloromethane	9.64	83	218650	28.431	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	239905	26.538	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	279162	55.505	ug/L	99
44) Toluene	10.38	91	650448	27.504	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	209796	26.678	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	126672	28.607	ug/L	98
47) Tetrachloroethene	10.86	164	120798	24.805	ug/L	99
49) 2-Hexanone	10.97	43	204623	57.765	ug/L	100
50) Dibromochloromethane	11.13	129	155353	28.421	ug/L	97
51) 1,2-Dibromoethane	11.23	107	124596	27.756	ug/L	94
52) Chlorobenzene	11.66	112	413072	27.233	ug/L	98
53) Ethylbenzene	11.73	91	729618	27.442	ug/L	100
54) m,p-Xylene	11.84	106	272064	26.934	ug/L	95
55) o-xylene	12.16	106	269247	27.322	ug/L	96
56) Styrene	12.18	104	475683	28.291	ug/L	97
57) Isopropylbenzene	12.46	105	722007	27.351	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	172930	28.949	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	127696	28.804	ug/L	99
62) Bromoform	12.35	173	98326	28.512	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	321211	26.406	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	336444	26.752	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	322916	27.836	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	32516	28.599	ug/L	86
67) 1,3,5-Trichlorobenzene	14.63	180	239478	25.240	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	201143	25.238	ug/L	100
69) Naphthalene	15.37	128	475002	28.747	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	202155	27.081	ug/L	99

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

