

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030119\
 Data File : VW008935.D
 Acq On : 01 Mar 2019 20:17
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Quant Time: Mar 02 03:00:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 02 02:55:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	421266	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	418282	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	227401	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	141778	21.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.52%
7) Chloroethane-d5	2.88	69	135739	23.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.28%
10) 1,1-Dichloroethene-d2	4.02	63	241672	22.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.68%
20) 2-Butanone-d5	7.08	46	89929	46.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.04%
24) Chloroform-d	7.65	84	244291	23.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.92%
26) 1,2-Dichloroethane-d4	8.31	65	147740	24.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.32%
29) Benzene-d6	8.27	84	510611	25.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.72%
33) 1,2-Dichloropropane-d6	9.27	67	148367	25.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.88%
37) Toluene-d8	10.32	98	524836	26.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.40%
38) trans-1,3-Dichloropropene-	10.58	79	71219	24.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.64%
39) 2-Hexanone-d5	10.93	63	78147	48.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.52%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	147641	25.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.00%
61) 1,2-Dichlorobenzene-d4	13.86	152	212519	26.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.00	85	198457	24.524	ug/L 95
3) Chloromethane	2.21	50	190465	22.770	ug/L 96
5) Vinyl chloride	2.35	62	192873	22.490	ug/L 98
6) Bromomethane	2.76	94	124880	21.961	ug/L 99
8) Chloroethane	2.92	64	126762	22.076	ug/L 99
9) Trichlorofluoromethane	3.26	101	236366	23.048	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	136822	22.590	ug/L 99
12) 1,1-Dichloroethene	4.04	96	115245	21.932	ug/L 91
13) Acetone	4.12	43	76802	41.425	ug/L 100
14) Carbon disulfide	4.37	76	412967	22.743	ug/L 100
15) Methyl Acetate	4.68	43	75494	20.416	ug/L 95
16) Methylene chloride	4.92	84	157429	23.111	ug/L 87
17) Methyl tert-butyl Ether	5.43	73	323391	21.884	ug/L # 89
18) trans-1,2-Dichloroethene	5.43	96	131785	22.780	ug/L 95
19) 1,1-Dichloroethane	6.22	63	227771	23.188	ug/L 98
21) 2-Butanone	7.17	43	100643	38.796	ug/L 96
22) cis-1,2-Dichloroethene	7.17	96	143359	23.105	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	67131	23.646	ug/L #	90
25) Chloroform	7.67	83	256373	24.794	ug/L	99
27) 1,2-Dichloroethane	8.40	62	173679	23.096	ug/L #	95
30) Cyclohexane	7.96	56	224821	22.835	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	225414	23.343	ug/L	97
32) Carbon tetrachloride	8.07	117	203088	23.012	ug/L	98
34) Benzene	8.32	78	550042	24.240	ug/L	100
35) Trichloroethene	9.09	95	140154	22.883	ug/L	95
36) Methylcyclohexane	9.34	83	254047	23.376	ug/L	97
40) 1,2-Dichloropropane	9.37	63	137389	24.510	ug/L	98
41) Bromodichloromethane	9.64	83	179229	23.515	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	212001	23.316	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	220287	43.516	ug/L	96
44) Toluene	10.39	91	647412	24.817	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	188685	23.239	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	106467	22.717	ug/L	99
47) Tetrachloroethene	10.86	164	135091	24.228	ug/L	95
49) 2-Hexanone	10.97	43	170375	42.908	ug/L	93
50) Dibromochloromethane	11.13	129	133255	23.454	ug/L	96
51) 1,2-Dibromoethane	11.23	107	108237	22.831	ug/L	99
52) Chlorobenzene	11.66	112	426991	24.320	ug/L	97
53) Ethylbenzene	11.73	91	741981	24.479	ug/L	99
54) m,p-Xylene	11.84	106	289910	24.323	ug/L	93
55) o-xylene	12.17	106	276736	24.135	ug/L	91
56) Styrene	12.18	104	474757	24.688	ug/L	93
57) Isopropylbenzene	12.46	105	737523	24.112	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	142750	22.703	ug/L #	97
59) 1,2,3-Trichloropropane	12.77	75	103932	22.356	ug/L	99
62) Bromoform	12.35	173	79995	22.722	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	360932	24.318	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	361610	23.982	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	333835	24.283	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	26473	21.687	ug/L	86
67) 1,3,5-Trichlorobenzene	14.63	180	274210	23.465	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	226988	22.551	ug/L	98
69) Naphthalene	15.37	128	440923	21.278	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	214432	23.183	ug/L	97

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

