

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121219\
 Data File : VW014339.D
 Acq On : 12 Dec 2019 21:00
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Quant Time: Dec 13 06:12:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 13 06:08:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1148143	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	966877	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	446436	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	416974	23.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.92%
7) Chloroethane-d5	2.88	69	343085	26.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.16%
10) 1,1-Dichloroethene-d2	4.02	63	814410	26.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	106.08%
20) 2-Butanone-d5	7.07	46	210555	46.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.94%
24) Chloroform-d	7.64	84	767067	26.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.96%
26) 1,2-Dichloroethane-d4	8.30	65	363021	23.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.76%
29) Benzene-d6	8.27	84	1627611	28.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.88%
33) 1,2-Dichloropropane-d6	9.27	67	483488	27.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.92%
37) Toluene-d8	10.32	98	1474593	28.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	115.12%
38) trans-1,3-Dichloropropene-	10.57	79	177956	24.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.32%
39) 2-Hexanone-d5	10.92	63	170990	49.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.66%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	336385	23.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	442759	25.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	255049	23.356	ug/L	98
3) Chloromethane	2.21	50	251068	22.870	ug/L	99
5) Vinyl chloride	2.36	62	432381	26.601	ug/L	94
6) Bromomethane	2.78	94	243264	24.263	ug/L	100
8) Chloroethane	2.92	64	245199	26.405	ug/L	97
9) Trichlorofluoromethane	3.25	101	220615	27.417	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	410486	27.106	ug/L	94
12) 1,1-Dichloroethene	4.04	96	401249	26.171	ug/L	93
13) Acetone	4.12	43	148096	33.903	ug/L	97
14) Carbon disulfide	4.38	76	1151723	24.493	ug/L	100
15) Methyl Acetate	4.67	43	155069	18.768	ug/L	96
16) Methylene chloride	4.90	84	411743	23.393	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	446936	22.105	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	407212	24.801	ug/L	93
19) 1,1-Dichloroethane	6.21	63	724185	24.549	ug/L	99
21) 2-Butanone	7.17	43	221601	37.786	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	416680	23.850	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	166541	20.723	ug/L	88
25) Chloroform	7.67	83	687392	23.979	ug/L	99
27) 1,2-Dichloroethane	8.40	62	392361	20.902	ug/L	98
30) Cyclohexane	7.95	56	738602	30.605	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	554270	28.544	ug/L	98
32) Carbon tetrachloride	8.06	117	514719	27.937	ug/L	100
34) Benzene	8.32	78	1636932	26.738	ug/L	100
35) Trichloroethene	9.09	95	419914	26.808	ug/L	96
36) Methylcyclohexane	9.33	83	777612	29.543	ug/L	96
40) 1,2-Dichloropropane	9.37	63	394676	25.094	ug/L	100
41) Bromodichloromethane	9.64	83	458160	23.970	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	567330	24.087	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	459162	44.273	ug/L	98
44) Toluene	10.38	91	1724431	26.867	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	433399	22.732	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	256100	21.730	ug/L	97
47) Tetrachloroethene	10.86	164	348389	26.685	ug/L	96
49) 2-Hexanone	10.96	43	313504	42.459	ug/L	99
50) Dibromochloromethane	11.12	129	290449	21.958	ug/L	99
51) 1,2-Dibromoethane	11.23	107	237871	21.308	ug/L	100
52) Chlorobenzene	11.65	112	1022805	24.657	ug/L	94
53) Ethylbenzene	11.73	91	1893803	27.193	ug/L	99
54) m,p-Xylene	11.83	106	721175	26.920	ug/L	99
55) o-xylene	12.16	106	663340	26.105	ug/L	99
56) Styrene	12.18	104	1111357	25.566	ug/L	96
57) Isopropylbenzene	12.46	105	1839562	27.885	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	300463	20.540	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	220516	20.287	ug/L	99
62) Bromoform	12.35	173	158532	20.923	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	760014	25.328	ug/L	99
64) 1,4-Dichlorobenzene	13.57	146	737759	24.199	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	661417	23.703	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	42469	19.729	ug/L	83
67) 1,3,5-Trichlorobenzene	14.63	180	532083	24.646	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	403878	23.998	ug/L	99
69) Naphthalene	15.36	128	690743	21.825	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	359542	22.781	ug/L	99

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

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