

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121619\
 Data File : VW014362.D
 Acq On : 16 Dec 2019 11:11
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Quant Time: Dec 17 07:26:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 16 16:53:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1263699	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1112309	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	535168	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	402674	21.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.16%
7) Chloroethane-d5	2.89	69	351500	24.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.80%
10) 1,1-Dichloroethene-d2	4.02	63	815323	24.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.48%
20) 2-Butanone-d5	7.07	46	247260	49.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.18%
24) Chloroform-d	7.65	84	810303	25.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.72%
26) 1,2-Dichloroethane-d4	8.30	65	413930	24.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.16%
29) Benzene-d6	8.27	84	1661277	25.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.92%
33) 1,2-Dichloropropane-d6	9.27	67	506634	25.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.04%
37) Toluene-d8	10.32	98	1487470	25.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.92%
38) trans-1,3-Dichloropropene-	10.57	79	206335	24.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.08%
39) 2-Hexanone-d5	10.92	63	191347	47.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	388178	23.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	486823	23.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	296829	24.696	ug/L 99
3) Chloromethane	2.21	50	297609	24.631	ug/L 97
5) Vinyl chloride	2.36	62	445735	24.915	ug/L 94
6) Bromomethane	2.78	94	264308	23.951	ug/L 99
8) Chloroethane	2.92	64	259849	25.424	ug/L 95
9) Trichlorofluoromethane	3.26	101	279214	31.526	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	406701	24.400	ug/L 94
12) 1,1-Dichloroethene	4.04	96	401513	23.793	ug/L 80
13) Acetone	4.12	43	224770	46.751	ug/L 99
14) Carbon disulfide	4.39	76	1200415	23.194	ug/L 99
15) Methyl Acetate	4.67	43	183549	20.184	ug/L 100
16) Methylene chloride	4.92	84	433787	22.392	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	493100	22.158	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	415910	23.014	ug/L 92
19) 1,1-Dichloroethane	6.21	63	761111	23.441	ug/L 99
21) 2-Butanone	7.17	43	281226	43.568	ug/L 96
22) cis-1,2-Dichloroethene	7.17	96	441500	22.960	ug/L 97

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

23) Bromochloromethane	7.51	128	182722	20.657	ug/L #	79
25) Chloroform	7.67	83	728479	23.089	ug/L	100
27) 1,2-Dichloroethane	8.40	62	454370	21.992	ug/L	97
30) Cyclohexane	7.95	56	741204	26.697	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	591739	26.490	ug/L	98
32) Carbon tetrachloride	8.06	117	550766	25.985	ug/L	99
34) Benzene	8.32	78	1710883	24.292	ug/L	100
35) Trichloroethene	9.09	95	432690	24.012	ug/L	95
36) Methylcyclohexane	9.33	83	782701	25.848	ug/L	96
40) 1,2-Dichloropropane	9.37	63	424917	23.485	ug/L	99
41) Bromodichloromethane	9.64	83	511149	23.246	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	647684	23.903	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	520629	43.636	ug/L	97
44) Toluene	10.38	91	1793638	24.292	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	504811	23.015	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	290686	21.440	ug/L	97
47) Tetrachloroethene	10.86	164	355730	23.685	ug/L	97
49) 2-Hexanone	10.96	43	378874	44.603	ug/L	96
50) Dibromochloromethane	11.13	129	338610	22.252	ug/L	99
51) 1,2-Dibromoethane	11.23	107	270148	21.035	ug/L	95
52) Chlorobenzene	11.65	112	1093566	22.916	ug/L	93
53) Ethylbenzene	11.73	91	1984971	24.775	ug/L	99
54) m,p-Xylene	11.84	106	748032	24.271	ug/L	95
55) o-xylene	12.16	106	699480	23.928	ug/L	98
56) Styrene	12.18	104	1202284	24.041	ug/L	98
57) Isopropylbenzene	12.46	105	1905283	25.105	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	347925	20.675	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	257402	20.585	ug/L	98
62) Bromoform	12.35	173	193065	21.256	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	820728	22.817	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	818823	22.405	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	737289	22.041	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	50565	19.596	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.63	180	595974	23.029	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	458085	22.706	ug/L	99
69) Naphthalene	15.36	128	808907	21.321	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	411239	21.736	ug/L	99

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

