

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122719\
 Data File : VW014478.D
 Acq On : 27 Dec 2019 19:54
 Operator : SY/VA
 Sample : VSTD05005
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:02:00 AM

Quant Time: Dec 27 20:36:02 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M

Quant Title : VOC Analysis

QLast Update : Fri Dec 27 20:30:18 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1230636	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1090107	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	539110	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	829429	44.51	ug/L	0.00
7) Chloroethane-d5	2.88	69	660615	47.68	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1588150	48.25	ug/L	0.00
20) 2-Butanone-d5	7.07	46	434968	89.57	ug/L	0.00
24) Chloroform-d	7.64	84	1509713	48.18	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	777746	47.34	ug/L	0.00
29) Benzene-d6	8.27	84	3193930	49.99	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	968196	49.26	ug/L	0.00
37) Toluene-d8	10.32	98	2950078	51.07	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	415255	50.36	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	351491	89.93	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	716426	44.73	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	982153	47.68	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	524717	44.830	ug/L	98
3) Chloromethane	2.21	50	504539	42.879	ug/L	99
5) Vinyl chloride	2.36	62	801387	45.998	ug/L	100
6) Bromomethane	2.78	94	470303	43.764	ug/L	100
8) Chloroethane	2.92	64	465596	46.778	ug/L	98
9) Trichlorofluoromethane	3.25	101	457892	53.089	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	743163	45.784	ug/L	100
12) 1,1-Dichloroethene	4.04	96	753353m	45.842	ug/L	
13) Acetone	4.11	43	394726	84.306	ug/L	98
14) Carbon disulfide	4.38	76	2282187	45.280	ug/L	99
15) Methyl Acetate	4.66	43	358170	40.443	ug/L	100
16) Methylene chloride	4.91	84	780122	41.352	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	977778	45.118	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	788102	44.781	ug/L	98
19) 1,1-Dichloroethane	6.21	63	1415922	44.780	ug/L	99
21) 2-Butanone	7.16	43	535656	85.215	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	845700	45.161	ug/L	99
23) Bromochloromethane	7.51	128	359194	41.699	ug/L	98
25) Chloroform	7.67	83	1354175	44.073	ug/L	100
27) 1,2-Dichloroethane	8.40	62	861834	42.835	ug/L	98
30) Cyclohexane	7.95	56	1415212	52.012	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	1075837	49.142	ug/L	99
32) Carbon tetrachloride	8.06	117	1001034	48.190	ug/L	100
34) Benzene	8.32	78	3183870	46.128	ug/L	100
35) Trichloroethene	9.09	95	816639	46.242	ug/L	99
36) Methylcyclohexane	9.34	83	1486742	50.099	ug/L	99
40) 1,2-Dichloropropane	9.37	63	793955	44.774	ug/L	100
41) Bromodichloromethane	9.64	83	978949	45.427	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	1272912	47.934	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	1003555	85.825	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	3393088	46.890	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	996690	46.366	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	562208	42.310	ug/L	99
47) Tetrachloroethene	10.86	164	677064	45.998	ug/L	95
49) 2-Hexanone	10.96	43	728266	87.482	ug/L	100
50) Dibromochloromethane	11.13	129	664553	44.561	ug/L	95
51) 1,2-Dibromoethane	11.23	107	535653	42.558	ug/L	99
52) Chlorobenzene	11.66	112	2088093	44.648	ug/L	98
53) Ethylbenzene	11.73	91	3736466	47.586	ug/L	100
54) m,p-Xylene	11.83	106	1435248	47.518	ug/L	97
55) o-xylene	12.16	106	1363033	47.577	ug/L	98
56) Styrene	12.18	104	2305268	47.035	ug/L	100
57) Isopropylbenzene	12.46	105	3658282	49.186	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	672078	40.751	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	495702	40.449	ug/L	99
62) Bromoform	12.35	173	385832	42.168	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	1639255	45.239	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1607231	43.657	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	1478702	43.883	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	104921	40.363	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	1248472	47.889	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	1016835	50.032	ug/L	99
69) Naphthalene	15.36	128	1836359	48.047	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	889355	46.664	ug/L	99

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

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