

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080119\
 Data File : VW011590.D
 Acq On : 01 Aug 2019 09:21
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Quant Time: Aug 02 04:30:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 01 14:48:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	367839	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	324592	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	158433	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	114829	22.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.68%
7) Chloroethane-d5	2.89	69	83464	22.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.48%
10) 1,1-Dichloroethene-d2	4.02	63	277114	23.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.36%
20) 2-Butanone-d5	7.08	46	107028	45.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.78%
24) Chloroform-d	7.65	84	231698	22.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.76%
26) 1,2-Dichloroethane-d4	8.31	65	134301	22.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.84%
29) Benzene-d6	8.27	84	466014	22.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.32%
33) 1,2-Dichloropropane-d6	9.27	67	150528	22.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.36%
37) Toluene-d8	10.32	98	411711	22.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.92%
38) trans-1,3-Dichloropropene-	10.58	79	65047	22.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.08%
39) 2-Hexanone-d5	10.92	63	71332	46.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.70%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	125052	22.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	136576	22.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	111943	27.154	ug/L	94
3) Chloromethane	2.21	50	125473	23.399	ug/L	99
5) Vinyl chloride	2.36	62	174196	25.462	ug/L	97
6) Bromomethane	2.78	94	81789	25.358	ug/L	99
8) Chloroethane	2.92	64	92235	25.777	ug/L	99
9) Trichlorofluoromethane	3.25	101	89763	25.756	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	138373	26.189	ug/L	97
12) 1,1-Dichloroethene	4.04	96	135387	25.626	ug/L	92
13) Acetone	4.12	43	129948	52.024	ug/L	96
14) Carbon disulfide	4.38	76	438075	25.459	ug/L	99
15) Methyl Acetate	4.67	43	103237	25.278	ug/L	100
16) Methylene chloride	4.91	84	142253	24.781	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	224198	25.483	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	140883	25.811	ug/L	99
19) 1,1-Dichloroethane	6.21	63	282969	25.951	ug/L	99
21) 2-Butanone	7.16	43	163976	52.360	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	149023	26.096	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	61869	25.464	ug/L	99
25) Chloroform	7.67	83	255722	25.444	ug/L	99
27) 1,2-Dichloroethane	8.40	62	191834	25.784	ug/L	99
30) Cyclohexane	7.95	56	296366	26.267	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	207651	26.255	ug/L	99
32) Carbon tetrachloride	8.07	117	194300	26.113	ug/L	99
34) Benzene	8.32	78	590602	25.965	ug/L	100
35) Trichloroethene	9.09	95	149862	25.952	ug/L	100
36) Methylcyclohexane	9.34	83	275557	26.304	ug/L	100
40) 1,2-Dichloropropane	9.37	63	157645	25.964	ug/L	100
41) Bromodichloromethane	9.65	83	186606	26.045	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	241279	26.567	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	285509	51.899	ug/L	100
44) Toluene	10.38	91	608861	26.347	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	197812	26.179	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	105152	25.401	ug/L	98
47) Tetrachloroethene	10.86	164	114984	26.069	ug/L	94
49) 2-Hexanone	10.97	43	218915	51.651	ug/L	98
50) Dibromochloromethane	11.13	129	120179	26.339	ug/L	96
51) 1,2-Dibromoethane	11.24	107	103000	25.570	ug/L	98
52) Chlorobenzene	11.66	112	359006	25.749	ug/L	99
53) Ethylbenzene	11.73	91	681101	26.428	ug/L	100
54) m,p-Xylene	11.84	106	249526	26.627	ug/L	96
55) o-xylene	12.16	106	234246	26.560	ug/L	99
56) Styrene	12.18	104	402601	26.851	ug/L	99
57) Isopropylbenzene	12.46	105	649876	26.785	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	141305	25.687	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	107960	25.445	ug/L	99
62) Bromoform	12.35	173	71216	25.125	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	275580	25.628	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	276510	25.606	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	249756	25.650	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	25050	24.857	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	208298	26.318	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	175459	27.527	ug/L	98
69) Naphthalene	15.36	128	349420	27.222	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	158847	26.907	ug/L	99

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

