

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080720\
 Data File : VW016062.D
 Acq On : 07 Aug 2020 08:28
 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 08 03:15:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 07 15:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	305867	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	282459	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	141527	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	102080	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.60%
7) Chloroethane-d5	2.89	69	80032	22.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.32%
10) 1,1-Dichloroethene-d2	4.01	63	209254	23.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.92%
20) 2-Butanone-d5	7.09	46	49875	43.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.98%
24) Chloroform-d	7.65	84	210237	24.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.88%
26) 1,2-Dichloroethane-d4	8.31	65	106349	22.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.20%
29) Benzene-d6	8.27	84	424943	24.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.88%
33) 1,2-Dichloropropane-d6	9.27	67	120451	23.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.48%
37) Toluene-d8	10.32	98	401460	25.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.12%
38) trans-1,3-Dichloropropene-	10.58	79	54631	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.48%
39) 2-Hexanone-d5	10.93	63	41711	48.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	97602	24.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	138229	25.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	54688	21.130	ug/L 98
3) Chloromethane	2.21	50	62925	20.102	ug/L 96
5) Vinyl chloride	2.37	62	98725	20.449	ug/L 99
6) Bromomethane	2.79	94	62477	21.691	ug/L 98
8) Chloroethane	2.93	64	61015	21.573	ug/L 99
9) Trichlorofluoromethane	3.26	101	88642	27.314	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	105987	26.717	ug/L 94
12) 1,1-Dichloroethene	4.03	96	100285	25.506	ug/L 92
13) Acetone	4.14	43	43786	45.989	ug/L 94
14) Carbon disulfide	4.38	76	267163	21.515	ug/L 98
15) Methyl Acetate	4.68	43	40620	22.627	ug/L 95
16) Methylene chloride	4.91	84	111279	22.203	ug/L 89
17) Methyl tert-butyl Ether	5.43	73	143527	25.814	ug/L 95
18) trans-1,2-Dichloroethene	5.42	96	103663	24.967	ug/L 95
19) 1,1-Dichloroethane	6.22	63	183559	23.990	ug/L 99
21) 2-Butanone	7.18	43	57003	48.417	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	112774	25.961	ug/L 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	51481	27.026	ug/L	85
25) Chloroform	7.68	83	192814	25.427	ug/L	99
27) 1,2-Dichloroethane	8.40	62	115627	22.409	ug/L	97
30) Cyclohexane	7.96	56	158182	22.210	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	166991	25.319	ug/L	97
32) Carbon tetrachloride	8.07	117	157341	26.308	ug/L	100
34) Benzene	8.32	78	421614	24.576	ug/L	100
35) Trichloroethene	9.09	95	111869	24.651	ug/L	93
36) Methylcyclohexane	9.34	83	188504	24.208	ug/L	96
40) 1,2-Dichloropropane	9.37	63	101594	23.905	ug/L	98
41) Bromodichloromethane	9.65	83	137870	25.120	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	159554	24.650	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	117799	47.487	ug/L	95
44) Toluene	10.39	91	461001	25.621	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	139725	24.905	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	81305	26.604	ug/L	95
47) Tetrachloroethene	10.87	164	95564	27.129	ug/L	91
49) 2-Hexanone	10.97	43	83513	47.441	ug/L	94
50) Dibromochloromethane	11.13	129	98871	27.944	ug/L	97
51) 1,2-Dibromoethane	11.24	107	77377	26.466	ug/L	96
52) Chlorobenzene	11.66	112	298100	25.855	ug/L	99
53) Ethylbenzene	11.73	91	520169	25.709	ug/L	99
54) m,p-Xylene	11.84	106	200465	26.483	ug/L	96
55) o-xylene	12.17	106	188389	26.430	ug/L	98
56) Styrene	12.18	104	327424	27.012	ug/L	98
57) Isopropylbenzene	12.47	105	525163	27.066	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	93734	26.119	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	68266	25.389	ug/L	100
62) Bromoform	12.35	173	57152	27.451	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	237629	26.234	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	233696	25.421	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	213803	25.986	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.49	75	14923	24.098	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	168467	26.451	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	135082	26.702	ug/L	98
69) Naphthalene	15.37	128	244875	25.694	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	120278	26.684	ug/L	98

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

