

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110119\
 Data File : VW013895.D
 Acq On : 01 Nov 2019 13:00
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

Quant Time: Nov 01 23:16:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 02 00:12:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	304587	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	298053	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	182409	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	113489	23.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.80%
7) Chloroethane-d5	2.89	69	93677	24.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.96%
10) 1,1-Dichloroethene-d2	4.03	63	235020	24.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.36%
20) 2-Butanone-d5	7.07	46	88058	51.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.26%
24) Chloroform-d	7.65	84	235341	24.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.08%
26) 1,2-Dichloroethane-d4	8.31	65	127271	24.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.56%
29) Benzene-d6	8.27	84	497105	24.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.60%
33) 1,2-Dichloropropane-d6	9.27	67	148846	24.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.52%
37) Toluene-d8	10.32	98	476024	25.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.52%
38) trans-1,3-Dichloropropene-	10.57	79	67888	24.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.40%
39) 2-Hexanone-d5	10.92	63	73713	53.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	136248	25.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	179876	24.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	87679	26.782	ug/L 99
3) Chloromethane	2.21	50	91369	24.335	ug/L 99
5) Vinyl chloride	2.37	62	133142	24.828	ug/L 97
6) Bromomethane	2.78	94	84869	25.160	ug/L 100
8) Chloroethane	2.92	64	78601	25.818	ug/L 95
9) Trichlorofluoromethane	3.26	101	64469	23.600	ug/L 96
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	131958	25.170	ug/L 98
12) 1,1-Dichloroethene	4.04	96	132048	25.120	ug/L 87
13) Acetone	4.11	43	71835	43.249	ug/L 98
14) Carbon disulfide	4.39	76	391957	26.089	ug/L 98
15) Methyl Acetate	4.66	43	75178	26.139	ug/L 100
16) Methylene chloride	4.92	84	137710	24.181	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	177507	26.694	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	136673	24.948	ug/L 99
19) 1,1-Dichloroethane	6.21	63	235619	25.332	ug/L 97
21) 2-Butanone	7.17	43	105120	46.107	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	148447	25.767	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	68999	25.471	ug/L	98
25) Chloroform	7.67	83	231444	24.749	ug/L	99
27) 1,2-Dichloroethane	8.40	62	158153	25.570	ug/L	99
30) Cyclohexane	7.95	56	231021	25.685	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	182600	25.018	ug/L	100
32) Carbon tetrachloride	8.07	117	182736	25.603	ug/L	98
34) Benzene	8.32	78	549757	25.406	ug/L	100
35) Trichloroethene	9.09	95	142218	24.933	ug/L	99
36) Methylcyclohexane	9.33	83	253206	25.290	ug/L	98
40) 1,2-Dichloropropane	9.37	63	134177	25.264	ug/L	100
41) Bromodichloromethane	9.64	83	171029	25.616	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	216914	25.916	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	211098	51.682	ug/L	99
44) Toluene	10.38	91	597579	25.700	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	178102	25.752	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	106342	25.075	ug/L	95
47) Tetrachloroethene	10.86	164	129042	24.572	ug/L	97
49) 2-Hexanone	10.97	43	153974	51.313	ug/L	99
50) Dibromochloromethane	11.13	129	128668	26.136	ug/L	93
51) 1,2-Dibromoethane	11.23	107	108695	25.926	ug/L	100
52) Chlorobenzene	11.66	112	379955	25.338	ug/L	99
53) Ethylbenzene	11.73	91	662876	25.610	ug/L	99
54) m,p-Xylene	11.84	106	258287	25.894	ug/L	95
55) o-xylene	12.16	106	246679	26.163	ug/L	99
56) Styrene	12.18	104	422761	25.983	ug/L	100
57) Isopropylbenzene	12.46	105	654474	25.742	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	135289	25.330	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	101981	25.431	ug/L	100
62) Bromoform	12.35	173	83615	25.212	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	318878	25.244	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	320241	25.290	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	295212	25.846	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	23775	25.984	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	253575	26.652	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	209914	27.253	ug/L	98
69) Naphthalene	15.36	128	426204	29.166	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	192988	27.189	ug/L	100

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

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