

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011420\
 Data File : VW014625.D
 Acq On : 14 Jan 2020 09:48
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Quant Time: Jan 15 01:46:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 07 06:19:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1180604	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1032671	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	502458	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	332115	19.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.80%
7) Chloroethane-d5	2.89	69	275819	22.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.96%
10) 1,1-Dichloroethene-d2	4.02	63	668210	21.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.80%
20) 2-Butanone-d5	7.07	46	170758	43.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.24%
24) Chloroform-d	7.64	84	619521	22.81	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.24%
26) 1,2-Dichloroethane-d4	8.30	65	303089	21.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.00%
29) Benzene-d6	8.27	84	1313677	23.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.68%
33) 1,2-Dichloropropane-d6	9.27	67	391758	23.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.92%
37) Toluene-d8	10.32	98	1189202	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.56%
38) trans-1,3-Dichloropropene-	10.57	79	155490	22.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.20%
39) 2-Hexanone-d5	10.92	63	133629	47.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.66%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	280973	22.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	383981	23.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	248428	23.522	ug/L 99
3) Chloromethane	2.21	50	239240	20.037	ug/L 100
5) Vinyl chloride	2.36	62	397873	23.419	ug/L 100
6) Bromomethane	2.78	94	234350	23.623	ug/L 99
8) Chloroethane	2.92	64	230377	24.250	ug/L 99
9) Trichlorofluoromethane	3.26	101	216012	24.038	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	365138	23.670	ug/L 99
12) 1,1-Dichloroethene	4.04	96	361008	23.898	ug/L 95
13) Acetone	4.11	43	220576	40.228	ug/L 94
14) Carbon disulfide	4.38	76	1082151	23.203	ug/L 100
15) Methyl Acetate	4.66	43	164000	22.165	ug/L 99
16) Methylene chloride	4.91	84	366079	19.016	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	478151	24.591	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	377402	23.717	ug/L 97
19) 1,1-Dichloroethane	6.21	63	665865	23.148	ug/L 99
21) 2-Butanone	7.16	43	257039	43.692	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	396024	23.643	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	166466	22.957	ug/L	99
25) Chloroform	7.67	83	632229	22.979	ug/L	100
27) 1,2-Dichloroethane	8.40	62	392884	21.997	ug/L	99
30) Cyclohexane	7.95	56	668170	25.295	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	511160	24.130	ug/L	99
32) Carbon tetrachloride	8.06	117	479996	24.320	ug/L	99
34) Benzene	8.32	78	1510686	24.309	ug/L	100
35) Trichloroethene	9.09	95	386576	24.103	ug/L	99
36) Methylcyclohexane	9.33	83	712735	25.330	ug/L	98
40) 1,2-Dichloropropane	9.37	63	367026	23.334	ug/L	99
41) Bromodichloromethane	9.64	83	445747	23.560	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	565681	24.075	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	440667	43.642	ug/L	99
44) Toluene	10.38	91	1585876	24.420	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	441821	23.517	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	259190	23.264	ug/L	98
47) Tetrachloroethene	10.86	164	328878	24.421	ug/L	99
49) 2-Hexanone	10.96	43	329827	47.835	ug/L	98
50) Dibromochloromethane	11.13	129	298301	23.580	ug/L	97
51) 1,2-Dibromoethane	11.23	107	245664	23.359	ug/L	98
52) Chlorobenzene	11.66	112	971556	23.666	ug/L	97
53) Ethylbenzene	11.73	91	1755320	24.583	ug/L	99
54) m,p-Xylene	11.83	106	667708	24.711	ug/L	98
55) o-xylene	12.16	106	624829	24.481	ug/L	96
56) Styrene	12.18	104	1063316	24.752	ug/L	99
57) Isopropylbenzene	12.46	105	1707795	25.155	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	305101	22.555	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	224762	22.180	ug/L	100
62) Bromoform	12.35	173	170343	22.687	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	754744	23.726	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	752986	23.475	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	679279	23.820	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	45560	21.574	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	576074	24.446	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	453352	25.664	ug/L	99
69) Naphthalene	15.36	128	803013	26.331	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	412279	25.756	ug/L	99

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

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