

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112019\
 Data File : VW014089.D
 Acq On : 20 Nov 2019 16:30
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Quant Time: Nov 21 03:40:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 21 03:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	330375	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	318017	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	195261	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	110178	20.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.60%
7) Chloroethane-d5	2.89	69	90566	21.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.76%
10) 1,1-Dichloroethene-d2	4.01	63	232426	21.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.96%
20) 2-Butanone-d5	7.07	46	78458	51.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.48%
24) Chloroform-d	7.65	84	240970	23.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.88%
26) 1,2-Dichloroethane-d4	8.31	65	124108	24.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.20%
29) Benzene-d6	8.27	84	487664	21.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.44%
33) 1,2-Dichloropropane-d6	9.27	67	146269	22.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.52%
37) Toluene-d8	10.32	98	462131	21.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.40%
38) trans-1,3-Dichloropropene-	10.57	79	64540	22.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.20%
39) 2-Hexanone-d5	10.92	63	64628	51.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.12%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	127203	25.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	166559	21.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	76927	19.579	ug/L	99
3) Chloromethane	2.21	50	70032	20.067	ug/L	99
5) Vinyl chloride	2.36	62	133899	24.573	ug/L	98
6) Bromomethane	2.78	94	80578	23.884	ug/L	98
8) Chloroethane	2.92	64	76829	23.703	ug/L	93
9) Trichlorofluoromethane	3.25	101	81441	21.918	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	136925	24.957	ug/L	98
12) 1,1-Dichloroethene	4.04	96	133859	24.001	ug/L	96
13) Acetone	4.12	43	55258	35.462	ug/L	98
14) Carbon disulfide	4.39	76	373025	23.500	ug/L	98
15) Methyl Acetate	4.67	43	66730	26.468	ug/L	100
16) Methylene chloride	4.92	84	144448	22.711	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	177189	24.627	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	141397	24.312	ug/L	97
19) 1,1-Dichloroethane	6.21	63	248858	25.403	ug/L	99
21) 2-Butanone	7.17	43	88524	44.220	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	152543	24.925	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	68668	25.560	ug/L	97
25) Chloroform	7.67	83	251902	26.185	ug/L	100
27) 1,2-Dichloroethane	8.40	62	159235	27.339	ug/L	97
30) Cyclohexane	7.95	56	236510	23.239	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	197610	24.795	ug/L	99
32) Carbon tetrachloride	8.06	117	189835	24.813	ug/L	100
34) Benzene	8.32	78	574494	24.628	ug/L	100
35) Trichloroethene	9.09	95	149344	24.001	ug/L	99
36) Methylcyclohexane	9.33	83	262295	23.510	ug/L	99
40) 1,2-Dichloropropane	9.37	63	141633	25.223	ug/L	100
41) Bromodichloromethane	9.64	83	179105	26.383	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	224353	25.318	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	188923	50.956	ug/L	100
44) Toluene	10.38	91	620857	24.412	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	178343	25.450	ug/L	97
46) 1,1,2-Trichloroethane	10.78	97	106804	25.886	ug/L	96
47) Tetrachloroethene	10.86	164	136173	24.552	ug/L	97
49) 2-Hexanone	10.97	43	130200	48.710	ug/L	98
50) Dibromochloromethane	11.13	129	127961	26.386	ug/L	99
51) 1,2-Dibromoethane	11.23	107	102938	25.714	ug/L	97
52) Chlorobenzene	11.66	112	396930	24.895	ug/L	99
53) Ethylbenzene	11.73	91	693188	24.838	ug/L	97
54) m,p-Xylene	11.84	106	266055	24.531	ug/L	98
55) o-xylene	12.16	106	253345	24.945	ug/L	97
56) Styrene	12.18	104	435211	25.366	ug/L	95
57) Isopropylbenzene	12.46	105	691588	24.766	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	129629	26.911	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	95505	26.362	ug/L	99
62) Bromoform	12.35	173	80707	25.221	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	322341	23.511	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	317436	23.434	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	290838	23.955	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	20815	25.175	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	245459	23.492	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	196292	23.892	ug/L	100
69) Naphthalene	15.36	128	353777	24.238	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	178868	24.669	ug/L	99

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

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