

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103119\
 Data File : VW013855.D
 Acq On : 31 Oct 2019 13:28
 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: Nov 01 02:09:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM103119S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 31 13:22:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	323397	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	316589	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	192344	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	121316	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.56%
7) Chloroethane-d5	2.89	69	99052	25.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.88%
10) 1,1-Dichloroethene-d2	4.03	63	241195	24.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.92%
20) 2-Butanone-d5	7.07	46	87091	50.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.66%
24) Chloroform-d	7.65	84	245387	24.79	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.16%
26) 1,2-Dichloroethane-d4	8.31	65	132185	24.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.24%
29) Benzene-d6	8.27	84	521297	25.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.64%
33) 1,2-Dichloropropane-d6	9.27	67	155000	25.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.84%
37) Toluene-d8	10.32	98	497790	25.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.52%
38) trans-1,3-Dichloropropene-	10.58	79	71789	25.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.12%
39) 2-Hexanone-d5	10.92	63	72064	50.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	138790	24.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	186623	25.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	77710	21.733	ug/L 96
3) Chloromethane	2.21	50	85148	22.151	ug/L 96
5) Vinyl chloride	2.37	62	121157	22.230	ug/L 95
6) Bromomethane	2.78	94	75351	21.944	ug/L 98
8) Chloroethane	2.92	64	69705	22.647	ug/L 97
9) Trichlorofluoromethane	3.25	101	57740	24.297	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	120130	22.499	ug/L 98
12) 1,1-Dichloroethene	4.04	96	122978	22.968	ug/L 93
13) Acetone	4.12	43	61288	37.847	ug/L 99
14) Carbon disulfide	4.39	76	357706	22.986	ug/L 99
15) Methyl Acetate	4.67	43	64653	21.683	ug/L 100
16) Methylene chloride	4.92	84	132805	21.006	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	154259	23.137	ug/L # 89
18) trans-1,2-Dichloroethene	5.42	96	126355	22.530	ug/L 98
19) 1,1-Dichloroethane	6.21	63	214670	22.377	ug/L 99
21) 2-Butanone	7.17	43	97284	41.867	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	136628	22.759	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	62307	22.232	ug/L	93
25) Chloroform	7.68	83	215166	22.341	ug/L	99
27) 1,2-Dichloroethane	8.40	62	141783	22.383	ug/L	100
30) Cyclohexane	7.96	56	216326	23.805	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	169828	23.406	ug/L	99
32) Carbon tetrachloride	8.07	117	166036	22.989	ug/L	99
34) Benzene	8.32	78	505690	23.034	ug/L	100
35) Trichloroethene	9.09	95	131024	22.613	ug/L	99
36) Methylcyclohexane	9.34	83	236382	23.567	ug/L	99
40) 1,2-Dichloropropane	9.37	63	122809	22.644	ug/L	100
41) Bromodichloromethane	9.65	83	155055	22.764	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	198271	23.286	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	186457	44.555	ug/L	99
44) Toluene	10.39	91	550705	23.231	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	161534	23.262	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	96427	22.051	ug/L	98
47) Tetrachloroethene	10.86	164	121794	23.406	ug/L	97
49) 2-Hexanone	10.97	43	138675	46.308	ug/L	97
50) Dibromochloromethane	11.13	129	117099	23.034	ug/L	100
51) 1,2-Dibromoethane	11.23	107	96525	22.552	ug/L	98
52) Chlorobenzene	11.66	112	348286	22.656	ug/L	99
53) Ethylbenzene	11.73	91	608844	23.268	ug/L	99
54) m,p-Xylene	11.83	106	238308	23.279	ug/L	96
55) o-xylene	12.16	106	226191	23.475	ug/L	100
56) Styrene	12.18	104	392612	23.747	ug/L	96
57) Isopropylbenzene	12.46	105	612826	23.765	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	122827	22.374	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	91359	21.841	ug/L	100
62) Bromoform	12.35	173	76162	22.758	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	290349	23.128	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	289934	22.768	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	271338	23.384	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	20587	22.447	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	227620	23.568	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	188610	24.348	ug/L	98
69) Naphthalene	15.36	128	377295	25.317	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	174733	24.397	ug/L	99

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

