

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121219\
 Data File : VW014319.D
 Acq On : 12 Dec 2019 10:48
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Quant Time: Dec 13 05:58:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 12 15:26:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1019440	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	903189	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	439646	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	352813	22.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.40%
7) Chloroethane-d5	2.89	69	292381	25.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.88%
10) 1,1-Dichloroethene-d2	4.02	63	668046	24.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.00%
20) 2-Butanone-d5	7.07	46	225612	56.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.16%
24) Chloroform-d	7.64	84	649976	25.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.16%
26) 1,2-Dichloroethane-d4	8.30	65	347426	25.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.12%
29) Benzene-d6	8.27	84	1330788	25.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.56%
33) 1,2-Dichloropropane-d6	9.27	67	409563	25.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.60%
37) Toluene-d8	10.32	98	1209333	25.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.08%
38) trans-1,3-Dichloropropene-	10.57	79	170639	24.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.88%
39) 2-Hexanone-d5	10.92	63	178810	55.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	347308	26.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	396533	23.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	236137	24.354	ug/L 98
3) Chloromethane	2.21	50	234649	24.073	ug/L 98
5) Vinyl chloride	2.36	62	374805	25.970	ug/L 94
6) Bromomethane	2.78	94	219643	24.673	ug/L 100
8) Chloroethane	2.92	64	216285	26.232	ug/L 94
9) Trichlorofluoromethane	3.26	101	223511	31.283	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	336355	25.014	ug/L 93
12) 1,1-Dichloroethene	4.04	96	329552	24.208	ug/L 85
13) Acetone	4.12	43	244338	62.997	ug/L 99
14) Carbon disulfide	4.38	76	996712	23.872	ug/L 100
15) Methyl Acetate	4.67	43	181808	24.782	ug/L 96
16) Methylene chloride	4.91	84	369795	23.663	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	419305	23.356	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	339986	23.321	ug/L 91
19) 1,1-Dichloroethane	6.21	63	622684	23.773	ug/L 99
21) 2-Butanone	7.17	43	276219	53.046	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	358384	23.103	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	157836	22.119	ug/L #	80
25) Chloroform	7.67	83	601117	23.617	ug/L	100
27) 1,2-Dichloroethane	8.40	62	393289	23.597	ug/L	97
30) Cyclohexane	7.95	56	598184	26.534	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	473137	26.084	ug/L	97
32) Carbon tetrachloride	8.06	117	447018	25.973	ug/L	99
34) Benzene	8.32	78	1399251	24.468	ug/L	100
35) Trichloroethene	9.09	95	349828	23.908	ug/L	95
36) Methylcyclohexane	9.33	83	621463	25.275	ug/L	96
40) 1,2-Dichloropropane	9.37	63	351699	23.938	ug/L	99
41) Bromodichloromethane	9.64	83	421259	23.594	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	528985	24.042	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	490420	50.621	ug/L	97
44) Toluene	10.38	91	1475744	24.614	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	425269	23.878	ug/L	99
46) 1,1,2-Trichloroethane	10.78	97	251122	22.810	ug/L	97
47) Tetrachloroethene	10.86	164	286796	23.516	ug/L	98
49) 2-Hexanone	10.96	43	377236	54.693	ug/L	98
50) Dibromochloromethane	11.12	129	282735	22.882	ug/L	98
51) 1,2-Dibromoethane	11.23	107	241508	23.159	ug/L #	99
52) Chlorobenzene	11.65	112	895848	23.119	ug/L	94
53) Ethylbenzene	11.73	91	1575457	24.217	ug/L	98
54) m,p-Xylene	11.84	106	602930	24.093	ug/L	98
55) o-xylene	12.16	106	568982	23.971	ug/L	99
56) Styrene	12.18	104	996402	24.537	ug/L	97
57) Isopropylbenzene	12.46	105	1519090	24.651	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	317536	23.238	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	240670	23.703	ug/L	99
62) Bromoform	12.35	173	170315	22.825	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	671819	22.735	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	678214	22.590	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	624637	22.731	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	50122	23.644	ug/L	83
67) 1,3,5-Trichlorobenzene	14.63	180	498921	23.467	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	386216	23.303	ug/L	99
69) Naphthalene	15.36	128	746131	23.939	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	356427	22.932	ug/L	98

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

