

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081320\
 Data File : VW016171.D
 Acq On : 13 Aug 2020 09:50
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Quant Time: Aug 14 06:16:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 18:03:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	419600	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	393761	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	188949	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	102429	19.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.76%
7) Chloroethane-d5	2.89	69	80403	20.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.44%
10) 1,1-Dichloroethene-d2	4.01	63	247589	22.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.64%
20) 2-Butanone-d5	7.09	46	59195	43.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.48%
24) Chloroform-d	7.65	84	240393	21.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.40%
26) 1,2-Dichloroethane-d4	8.31	65	121570	20.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.32%
29) Benzene-d6	8.27	84	470292	21.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.84%
33) 1,2-Dichloropropane-d6	9.27	67	136607	21.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.76%
37) Toluene-d8	10.32	98	432608	22.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.08%
38) trans-1,3-Dichloropropene-	10.58	79	58941	20.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.28%
39) 2-Hexanone-d5	10.93	63	47573	43.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	116098	22.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	142877	21.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	124777	29.437	ug/L 95
3) Chloromethane	2.21	50	102459	24.340	ug/L 97
5) Vinyl chloride	2.37	62	147909	26.475	ug/L 99
6) Bromomethane	2.78	94	89924	25.700	ug/L 100
8) Chloroethane	2.93	64	82489	26.221	ug/L 99
9) Trichlorofluoromethane	3.26	101	111821	28.040	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	160592	28.496	ug/L 97
12) 1,1-Dichloroethene	4.03	96	152690	28.352	ug/L 91
13) Acetone	4.13	43	52756	50.945	ug/L 96
14) Carbon disulfide	4.37	76	481604	28.489	ug/L 100
15) Methyl Acetate	4.67	43	60854	24.992	ug/L 96
16) Methylene chloride	4.92	84	154166	23.268	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	198115	25.959	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	157925	27.878	ug/L 91
19) 1,1-Dichloroethane	6.21	63	263580	26.297	ug/L 98
21) 2-Butanone	7.18	43	77892	47.460	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	160898	26.924	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	74697	27.234	ug/L	94
25) Chloroform	7.68	83	278496	26.117	ug/L	99
27) 1,2-Dichloroethane	8.40	62	173895	24.481	ug/L	100
30) Cyclohexane	7.96	56	243312	28.399	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	240803	26.614	ug/L	99
32) Carbon tetrachloride	8.07	117	230478	26.932	ug/L	100
34) Benzene	8.32	78	621535	27.372	ug/L	100
35) Trichloroethene	9.09	95	165098	27.040	ug/L	97
36) Methylcyclohexane	9.34	83	290648	28.897	ug/L	98
40) 1,2-Dichloropropane	9.37	63	148566	26.643	ug/L	99
41) Bromodichloromethane	9.65	83	195744	25.554	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	230630	27.158	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	167638	49.983	ug/L	98
44) Toluene	10.39	91	675739	28.191	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	202314	26.520	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	115718	26.363	ug/L	99
47) Tetrachloroethene	10.86	164	123446	26.969	ug/L	92
49) 2-Hexanone	10.97	43	116906	51.657	ug/L	98
50) Dibromochloromethane	11.13	129	137704	26.637	ug/L	98
51) 1,2-Dibromoethane	11.24	107	111884	26.887	ug/L	97
52) Chlorobenzene	11.66	112	431634	27.216	ug/L	94
53) Ethylbenzene	11.73	91	754118	27.729	ug/L	99
54) m,p-Xylene	11.84	106	286401	27.996	ug/L	99
55) o-xylene	12.16	106	267813	27.793	ug/L	97
56) Styrene	12.18	104	475123	28.479	ug/L	100
57) Isopropylbenzene	12.46	105	748529	28.811	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	135033	26.366	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	98868	25.482	ug/L	99
62) Bromoform	12.35	173	73641	25.774	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	315747	26.458	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	319441	26.275	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	282633	25.831	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	22149	23.085	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	209247	27.787	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	163282	26.753	ug/L	100
69) Naphthalene	15.37	128	355831	27.621	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	153716	27.722	ug/L	98

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

