

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090820\
 Data File : VW016489.D
 Acq On : 08 Sep 2020 09:21
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02513

Quant Time: Sep 09 01:31:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 08 03:07:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	730217	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	649976	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	305805	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	162339	20.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.80%
7) Chloroethane-d5	2.90	69	163901	23.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.24%
10) 1,1-Dichloroethene-d2	4.03	63	389355	21.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.44%
20) 2-Butanone-d5	7.09	46	88202	31.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.76%
24) Chloroform-d	7.65	84	391629	22.90	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	8.31	65	194481	20.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.16%
29) Benzene-d6	8.28	84	761099	23.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.12%
33) 1,2-Dichloropropane-d6	9.27	67	212511	21.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.56%
37) Toluene-d8	10.33	98	735921	23.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.72%
38) trans-1,3-Dichloropropene-	10.58	79	103817	21.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.80%
39) 2-Hexanone-d5	10.93	63	73319	36.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	168929	20.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	254002	24.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	203582	24.919	ug/L 96
3) Chloromethane	2.22	50	165158	23.026	ug/L 97
5) Vinyl chloride	2.37	62	232439	25.443	ug/L 98
6) Bromomethane	2.79	94	196746	28.814	ug/L 99
8) Chloroethane	2.94	64	153787	27.364	ug/L 99
9) Trichlorofluoromethane	3.28	101	220932	29.529	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	233905	26.432	ug/L 97
12) 1,1-Dichloroethene	4.05	96	231493	25.727	ug/L 88
13) Acetone	4.14	43	65585	36.932	ug/L 98
14) Carbon disulfide	4.39	76	699895	25.452	ug/L 100
15) Methyl Acetate	4.68	43	74465	17.290	ug/L 94
16) Methylene chloride	4.92	84	221985	19.479	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	312643	23.161	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	241573	25.275	ug/L 94
19) 1,1-Dichloroethane	6.22	63	386490	23.759	ug/L 98
21) 2-Butanone	7.18	43	100616	33.758	ug/L 95
22) cis-1,2-Dichloroethene	7.17	96	247864	24.893	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	111519	24.162	ug/L	88
25) Chloroform	7.68	83	411804	24.458	ug/L	99
27) 1,2-Dichloroethane	8.40	62	252773	22.545	ug/L	99
30) Cyclohexane	7.96	56	372999	24.024	ug/L	94
31) 1,1,1-Trichloroethane	7.88	97	375348	26.669	ug/L	98
32) Carbon tetrachloride	8.07	117	363444	26.998	ug/L	99
34) Benzene	8.33	78	885147	24.907	ug/L	100
35) Trichloroethene	9.09	95	251732	25.564	ug/L	99
36) Methylcyclohexane	9.34	83	440608	25.574	ug/L	95
40) 1,2-Dichloropropane	9.37	63	209004	23.786	ug/L	99
41) Bromodichloromethane	9.65	83	297488	24.217	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	357375	23.967	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	226116	36.342	ug/L	95
44) Toluene	10.39	91	1015472	25.536	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	310553	23.301	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	162700	23.363	ug/L	96
47) Tetrachloroethene	10.87	164	198229	25.107	ug/L	95
49) 2-Hexanone	10.97	43	151195	34.893	ug/L	94
50) Dibromochloromethane	11.13	129	211093	23.972	ug/L	96
51) 1,2-Dibromoethane	11.24	107	157827	22.680	ug/L	97
52) Chlorobenzene	11.66	112	660835	26.197	ug/L	98
53) Ethylbenzene	11.73	91	1151956	25.718	ug/L	98
54) m,p-Xylene	11.84	106	442578	25.853	ug/L	96
55) o-xylene	12.17	106	425598	26.099	ug/L	97
56) Styrene	12.18	104	708945	25.303	ug/L	96
57) Isopropylbenzene	12.47	105	1159114	25.948	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	179428	21.613	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	130265	20.995	ug/L	100
62) Bromoform	12.35	173	119539	23.295	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	501134	26.029	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	490025	25.669	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	447788	26.166	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.49	75	30547	19.170	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	350538	26.416	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	264240	23.022	ug/L	98
69) Naphthalene	15.36	128	539856	22.286	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	241203	24.476	ug/L	97

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

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