

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073120\
 Data File : VW016019.D
 Acq On : 31 Jul 2020 10:22
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Quant Time: Aug 01 02:42:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 31 14:10:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	429440	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	391422	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	189605	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	107713	17.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.12%
7) Chloroethane-d5	2.90	69	105712	21.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.92%
10) 1,1-Dichloroethene-d2	4.02	63	268026	21.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.52%
20) 2-Butanone-d5	7.08	46	99912	62.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.54%
24) Chloroform-d	7.65	84	286528	23.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.04%
26) 1,2-Dichloroethane-d4	8.31	65	152076	22.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.88%
29) Benzene-d6	8.27	84	559054	23.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.84%
33) 1,2-Dichloropropane-d6	9.27	67	172863	24.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.80%
37) Toluene-d8	10.32	98	496194	22.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.96%
38) trans-1,3-Dichloropropene-	10.58	79	69170	22.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.88%
39) 2-Hexanone-d5	10.93	63	75626	63.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	153533	27.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	177312	23.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	93630	25.766	ug/L 94
3) Chloromethane	2.22	50	119446	27.178	ug/L 100
5) Vinyl chloride	2.37	62	170375	25.135	ug/L 99
6) Bromomethane	2.79	94	100704	24.902	ug/L 99
8) Chloroethane	2.93	64	104218	26.245	ug/L 97
9) Trichlorofluoromethane	3.26	101	137824	30.249	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	153620	27.582	ug/L 97
12) 1,1-Dichloroethene	4.04	96	149596	27.099	ug/L 92
13) Acetone	4.12	43	90533	67.727	ug/L 94
14) Carbon disulfide	4.38	76	437902	25.117	ug/L 99
15) Methyl Acetate	4.67	43	73623	29.210	ug/L 98
16) Methylene chloride	4.92	84	179233	25.471	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	222103	28.452	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	156631	26.869	ug/L 98
19) 1,1-Dichloroethane	6.21	63	289734	26.971	ug/L 98
21) 2-Butanone	7.17	43	106719	64.561	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	164806	27.022	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	73586	27.515	ug/L	90
25) Chloroform	7.68	83	283024	26.583	ug/L	100
27) 1,2-Dichloroethane	8.40	62	183489	25.328	ug/L	97
30) Cyclohexane	7.96	56	262676	26.614	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	240981	26.366	ug/L	98
32) Carbon tetrachloride	8.07	117	211810	25.556	ug/L	98
34) Benzene	8.32	78	643192	27.055	ug/L	100
35) Trichloroethene	9.09	95	162317	25.810	ug/L	96
36) Methylcyclohexane	9.34	83	288726	26.756	ug/L	99
40) 1,2-Dichloropropane	9.37	63	162295	27.557	ug/L	100
41) Bromodichloromethane	9.65	83	201813	26.534	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	246850	27.520	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	207637	60.402	ug/L	98
44) Toluene	10.39	91	685428	27.490	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	214005	27.526	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	119585	28.237	ug/L	99
47) Tetrachloroethene	10.87	164	128903	26.407	ug/L	94
49) 2-Hexanone	10.97	43	151512	62.109	ug/L	97
50) Dibromochloromethane	11.13	129	135924	27.722	ug/L	99
51) 1,2-Dibromoethane	11.24	107	113616	28.044	ug/L	99
52) Chlorobenzene	11.66	112	426005	26.663	ug/L	97
53) Ethylbenzene	11.73	91	761788	27.170	ug/L	97
54) m,p-Xylene	11.84	106	288023	27.457	ug/L	93
55) o-xylene	12.17	106	272274	27.565	ug/L	96
56) Styrene	12.18	104	473045	28.162	ug/L	100
57) Isopropylbenzene	12.47	105	759003	28.228	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	146877	29.534	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	109820	29.473	ug/L	100
62) Bromoform	12.35	173	76800	27.535	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	319891	26.361	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	322852	26.214	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	297191	26.962	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	23487	28.310	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	226266	26.518	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	183344	27.052	ug/L	98
69) Naphthalene	15.37	128	369333	28.926	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	166908	27.640	ug/L	99

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

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