

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072220\
 Data File : VW015899.D
 Acq On : 22 Jul 2020 09:57
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Quant Time: Jul 23 02:59:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 06:22:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	431912	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	397727	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	189319	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	136646	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.68%
7) Chloroethane-d5	2.90	69	118840	24.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.04%
10) 1,1-Dichloroethene-d2	4.02	63	296870	24.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.36%
20) 2-Butanone-d5	7.08	46	70699	44.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.32%
24) Chloroform-d	7.65	84	286810	23.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.56%
26) 1,2-Dichloroethane-d4	8.31	65	147438	22.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.56%
29) Benzene-d6	8.27	84	560093	23.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.56%
33) 1,2-Dichloropropane-d6	9.27	67	164546	22.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.68%
37) Toluene-d8	10.32	98	501167	22.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.40%
38) trans-1,3-Dichloropropene-	10.58	79	66306	21.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.72%
39) 2-Hexanone-d5	10.93	63	53750	44.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	123831	22.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	164338	22.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	98472	26.944	ug/L 99
3) Chloromethane	2.21	50	112688	25.494	ug/L 99
5) Vinyl chloride	2.37	62	185358	27.188	ug/L 99
6) Bromomethane	2.79	94	108644	26.712	ug/L 99
8) Chloroethane	2.93	64	112711	28.222	ug/L 99
9) Trichlorofluoromethane	3.26	101	138635	30.253	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	154797	27.634	ug/L 99
12) 1,1-Dichloroethene	4.03	96	149811	26.983	ug/L 93
13) Acetone	4.12	43	74330	55.287	ug/L 100
14) Carbon disulfide	4.38	76	466927	26.629	ug/L 99
15) Methyl Acetate	4.67	43	59520	23.480	ug/L 97
16) Methylene chloride	4.92	84	161663	22.842	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	200281	25.509	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	158360	27.010	ug/L 98
19) 1,1-Dichloroethane	6.22	63	287401	26.600	ug/L 99
21) 2-Butanone	7.18	43	87850	52.842	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	162479	26.488	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	69927	25.997	ug/L	95
25) Chloroform	7.68	83	282603	26.392	ug/L	99
27) 1,2-Dichloroethane	8.40	62	183740	25.218	ug/L	99
30) Cyclohexane	7.96	56	270756	26.998	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	247477	26.648	ug/L	100
32) Carbon tetrachloride	8.07	117	222582	26.430	ug/L	99
34) Benzene	8.32	78	642731	26.607	ug/L	100
35) Trichloroethene	9.09	95	166270	26.020	ug/L	98
36) Methylcyclohexane	9.34	83	296378	27.030	ug/L	100
40) 1,2-Dichloropropane	9.37	63	155258	25.944	ug/L	100
41) Bromodichloromethane	9.65	83	197775	25.591	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	237769	26.088	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	168097	48.125	ug/L	99
44) Toluene	10.39	91	674979	26.642	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	201065	25.451	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	108861	25.297	ug/L	97
47) Tetrachloroethene	10.87	164	133253	26.865	ug/L	91
49) 2-Hexanone	10.97	43	126610	51.079	ug/L	98
50) Dibromochloromethane	11.13	129	125668	25.224	ug/L	99
51) 1,2-Dibromoethane	11.24	107	100580	24.432	ug/L	95
52) Chlorobenzene	11.66	112	419167	25.819	ug/L	99
53) Ethylbenzene	11.73	91	765937	26.885	ug/L	97
54) m,p-Xylene	11.84	106	291366	27.336	ug/L	99
55) o-xylene	12.17	106	271035	27.005	ug/L	98
56) Styrene	12.18	104	467596	27.396	ug/L	100
57) Isopropylbenzene	12.47	105	753391	27.575	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	124995	24.736	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	92333	24.387	ug/L	99
62) Bromoform	12.35	173	66293	23.804	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	320479	26.449	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	318523	25.902	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	279939	25.435	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	18986	22.919	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	228795	26.855	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	177858	26.282	ug/L	99
69) Naphthalene	15.37	128	318259	24.964	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	159602	26.470	ug/L	98

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

