

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073020\
 Data File : VW015998.D
 Acq On : 30 Jul 2020 08:31
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Quant Time: Jul 31 06:27:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 30 18:57:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	441522	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	403486	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	196111	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	109655	17.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.40%
7) Chloroethane-d5	2.90	69	107593	21.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.04%
10) 1,1-Dichloroethene-d2	4.01	63	276246	21.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.72%
20) 2-Butanone-d5	7.09	46	77454	47.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.66%
24) Chloroform-d	7.65	84	285713	23.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.16%
26) 1,2-Dichloroethane-d4	8.31	65	145661	21.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.60%
29) Benzene-d6	8.27	84	552508	22.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.00%
33) 1,2-Dichloropropane-d6	9.27	67	170570	23.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.68%
37) Toluene-d8	10.32	98	492076	22.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.48%
38) trans-1,3-Dichloropropene-	10.58	79	66392	21.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.64%
39) 2-Hexanone-d5	10.93	63	60703	49.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.02%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	137546	24.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.20%
61) 1,2-Dichlorobenzene-d4	13.86	152	169515	22.17	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	103580	27.724	ug/L 97
3) Chloromethane	2.21	50	125820	27.845	ug/L 100
5) Vinyl chloride	2.37	62	181105	25.986	ug/L 100
6) Bromomethane	2.79	94	106389	25.588	ug/L 99
8) Chloroethane	2.93	64	110449	27.053	ug/L 96
9) Trichlorofluoromethane	3.26	101	147771	31.544	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	163340	28.524	ug/L 99
12) 1,1-Dichloroethene	4.04	96	156981	27.659	ug/L 89
13) Acetone	4.14	43	72067	52.437	ug/L 96
14) Carbon disulfide	4.38	76	464791	25.930	ug/L 99
15) Methyl Acetate	4.68	43	66504	25.664	ug/L 98
16) Methylene chloride	4.92	84	166836	23.060	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	219136	27.303	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	160868	26.840	ug/L 99
19) 1,1-Dichloroethane	6.22	63	303472	27.476	ug/L 99
21) 2-Butanone	7.18	43	91111	53.610	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	169629	27.051	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	74650	27.149	ug/L	95
25) Chloroform	7.68	83	299732	27.382	ug/L	98
27) 1,2-Dichloroethane	8.40	62	184936	24.829	ug/L	100
30) Cyclohexane	7.96	56	275805	27.109	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	252964	26.850	ug/L	99
32) Carbon tetrachloride	8.07	117	228037	26.692	ug/L	100
34) Benzene	8.32	78	677171	27.633	ug/L	100
35) Trichloroethene	9.09	95	172453	26.602	ug/L	99
36) Methylcyclohexane	9.34	83	304384	27.364	ug/L	99
40) 1,2-Dichloropropane	9.37	63	168240	27.712	ug/L	100
41) Bromodichloromethane	9.65	83	206451	26.332	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	248100	26.833	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	184689	52.120	ug/L	98
44) Toluene	10.39	91	707495	27.526	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	215505	26.890	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	116326	26.646	ug/L	98
47) Tetrachloroethene	10.87	164	135082	26.845	ug/L	97
49) 2-Hexanone	10.97	43	135390	53.841	ug/L	98
50) Dibromochloromethane	11.13	129	136964	27.099	ug/L	97
51) 1,2-Dibromoethane	11.24	107	107426	25.723	ug/L	95
52) Chlorobenzene	11.66	112	441641	26.816	ug/L	99
53) Ethylbenzene	11.73	91	792745	27.429	ug/L	98
54) m,p-Xylene	11.84	106	301584	27.891	ug/L	98
55) o-xylene	12.17	106	284076	27.900	ug/L	97
56) Styrene	12.18	104	489759	28.285	ug/L	98
57) Isopropylbenzene	12.47	105	770249	27.790	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	137252	26.774	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	100830	26.251	ug/L	99
62) Bromoform	12.35	173	73708	25.549	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	337348	26.877	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	331088	25.991	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	297712	26.113	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	21359	24.891	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	236625	26.812	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	188466	26.886	ug/L	100
69) Naphthalene	15.37	128	347788	26.335	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	163897	26.241	ug/L	98

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

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