

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011121\
 Data File : VW017811.D
 Acq On : 11 Jan 2021 11:08
 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: Jan 12 05:00:46 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 08 21:58:14 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	293298	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	268828	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	136610	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	106936	23.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.24%
7) Chloroethane-d5	2.89	69	93252	24.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.60%
10) 1,1-Dichloroethene-d2	4.03	63	203365	25.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.88%
20) 2-Butanone-d5	7.07	46	39041	53.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.16%
24) Chloroform-d	7.65	84	207014	27.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.04%
26) 1,2-Dichloroethane-d4	8.31	65	109118	27.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.04%
29) Benzene-d6	8.27	84	386717	25.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.16%
33) 1,2-Dichloropropane-d6	9.27	67	115115	27.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.32%
37) Toluene-d8	10.32	98	375463	25.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.28%
38) trans-1,3-Dichloropropene-	10.57	79	49376	26.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.16%
39) 2-Hexanone-d5	10.92	63	27946	53.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	81277	26.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	116157	24.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	68838	21.258	ug/L	98
3) Chloromethane	2.21	50	69928	24.295	ug/L	100
5) Vinyl chloride	2.36	62	121837	25.021	ug/L	98
6) Bromomethane	2.78	94	87757	24.304	ug/L	100
8) Chloroethane	2.92	64	80841	26.480	ug/L	99
9) Trichlorofluoromethane	3.26	101	90471	22.645	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	96951	26.001	ug/L	95
12) 1,1-Dichloroethene	4.04	96	92492	25.588	ug/L	93
13) Acetone	4.13	43	27621	43.488	ug/L	96
14) Carbon disulfide	4.39	76	273861	25.373	ug/L	98
15) Methyl Acetate	4.67	43	31625	25.690	ug/L	97
16) Methylene chloride	4.92	84	94695	22.577	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	116809	25.499	ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	100859	25.869	ug/L	97
19) 1,1-Dichloroethane	6.21	63	186803	28.044	ug/L	97
21) 2-Butanone	7.17	43	42837	50.141	ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	106470	25.988	ug/L	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	43015	24.785	ug/L #	75
25) Chloroform	7.67	83	192181	27.419	ug/L	99
27) 1,2-Dichloroethane	8.40	62	127649	28.155	ug/L	99
30) Cyclohexane	7.96	56	173035	27.042	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	162952	26.352	ug/L	96
32) Carbon tetrachloride	8.07	117	156743	26.867	ug/L	99
34) Benzene	8.32	78	428843	27.900	ug/L	100
35) Trichloroethene	9.09	95	114199	26.841	ug/L	95
36) Methylcyclohexane	9.34	83	199638	26.842	ug/L	95
40) 1,2-Dichloropropane	9.37	63	103800	28.606	ug/L	99
41) Bromodichloromethane	9.65	83	142414	28.672	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	162844	28.123	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	97307	55.197	ug/L	97
44) Toluene	10.38	91	481647	27.480	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	138675	28.124	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	69368	25.719	ug/L	96
47) Tetrachloroethene	10.86	164	87830	26.404	ug/L	95
49) 2-Hexanone	10.97	43	66794	53.403	ug/L	94
50) Dibromochloromethane	11.13	129	88273	27.567	ug/L	96
51) 1,2-Dibromoethane	11.23	107	67652	26.494	ug/L	94
52) Chlorobenzene	11.66	112	294024	26.872	ug/L	96
53) Ethylbenzene	11.73	91	548907	27.601	ug/L	96
54) m,p-Xylene	11.84	106	209827	26.972	ug/L	100
55) o-xylene	12.16	106	194870	26.635	ug/L	96
56) Styrene	12.18	104	327064	26.875	ug/L	92
57) Isopropylbenzene	12.46	105	541074	26.713	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	78990	26.239	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	58563	26.464	ug/L	98
62) Bromoform	12.35	173	43340	25.928	ug/L	99
63) 1,3-Dichlorobenzene	13.49	146	218544	25.919	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	215844	25.473	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	191997	25.914	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	12892	26.419	ug/L	93
67) 1,3,5-Trichlorobenzene	14.62	180	150397	26.018	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	123540	25.965	ug/L	99
69) Naphthalene	15.36	128	209297	23.099	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	99885	24.861	ug/L	99

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

