

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW030921\
 Data File : VW018258.D
 Acq On : 09 Mar 2021 11:27
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02533

Quant Time: Mar 10 02:09:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 09 00:50:17 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	250106	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	222572	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	109820	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	60578	22.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.48%
7) Chloroethane-d5	2.897	69	49001	22.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.12%
10) 1,1-Dichloroethene-d2	4.025	63	143649	22.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.32%
20) 2-Butanone-d5	7.073	46	23144	35.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.88%
24) Chloroform-d	7.647	84	152296	22.48	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.92%
26) 1,2-Dichloroethane-d4	8.305	65	77800	20.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.44%
29) Benzene-d6	8.274	84	265384	22.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.60%
33) 1,2-Dichloropropane-d6	9.274	67	71689	21.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.36%
37) Toluene-d8	10.323	98	259766	22.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.88%
38) trans-1,3-Dichloroprop...	10.579	79	34064	20.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.72%
39) 2-Hexanone-d5	10.926	63	19688	36.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.10%
48) 1,1,2,2-Tetrachloroeth...	12.694	84	53823	19.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.68%
61) 1,2-Dichlorobenzene-d4	13.853	152	82279	20.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.44%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.013	85	85872	24.74	ug/L	98
3) Chloromethane	2.215	50	55190	24.26	ug/L	100
5) Vinyl chloride	2.367	62	91168	26.09	ug/L	99
6) Bromomethane	2.782	94	66398	25.55	ug/L	98
8) Chloroethane	2.928	64	51773	25.81	ug/L	99
9) Trichlorofluoromethane	3.263	101	71878	24.39	ug/L	97
11) 1,1,2-Trichloro-1,2,2-...	4.062	101	91929	25.81	ug/L	100
12) 1,1-Dichloroethene	4.050	96	85580	26.04	ug/L	95
13) Acetone	4.123	43	18212	36.19	ug/L	98
14) Carbon disulfide	4.391	76	248907	26.00	ug/L	100
15) Methyl Acetate	4.671	43	23961	22.02	ug/L	98
16) Methylene chloride	4.921	84	82917	21.72	ug/L	96
17) Methyl tert-butyl Ether	5.421	73	86961	23.07	ug/L	99
18) trans-1,2-Dichloroethene	5.427	96	91577	26.22	ug/L	98
19) 1,1-Dichloroethane	6.214	63	152423	26.63	ug/L	98
21) 2-Butanone	7.171	43	29741	42.66	ug/L	98
22) cis-1,2-Dichloroethene	7.171	96	95518	26.13	ug/L	94
23) Bromochloromethane	7.519	128	40705	24.75	ug/L	95
25) Chloroform	7.671	83	173764	26.49	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.396	62	110404	25.38	ug/L	100
30) Cyclohexane	7.957	56	127160	26.48	ug/L	97
31) 1,1,1-Trichloroethane	7.872	97	146788	26.72	ug/L	100
32) Carbon tetrachloride	8.067	117	143899	27.21	ug/L	98
34) Benzene	8.323	78	341068	26.63	ug/L	100
35) Trichloroethene	9.091	95	99077	26.39	ug/L	98
36) Methylcyclohexane	9.335	83	161735	26.79	ug/L	99
40) 1,2-Dichloropropane	9.366	63	78021	26.23	ug/L	100
41) Bromodichloromethane	9.646	83	121779	26.33	ug/L	99
42) cis-1,3-Dichloropropene	10.073	75	129919	26.06	ug/L	97
43) 4-Methyl-2-pentanone	10.207	43	70258	45.50	ug/L	99
44) Toluene	10.390	91	394150	27.47	ug/L	93
45) trans-1,3-Dichloropropene	10.603	75	113877	25.57	ug/L	100
46) 1,1,2-Trichloroethane	10.786	97	58708	24.02	ug/L	97
47) Tetrachloroethene	10.865	164	76456	27.21	ug/L	95
49) 2-Hexanone	10.969	43	46487	43.67	ug/L	99
50) Dibromochloromethane	11.128	129	77095	25.65	ug/L	91
51) 1,2-Dibromoethane	11.237	107	58572	24.33	ug/L	96
52) Chlorobenzene	11.658	112	245921	26.45	ug/L	97
53) Ethylbenzene	11.731	91	444389	26.95	ug/L	99
54) m,p-Xylene	11.835	106	169271	27.09	ug/L	97
55) o-xylene	12.164	106	158585	27.13	ug/L	98
56) Styrene	12.182	104	270343	27.04	ug/L	95
57) Isopropylbenzene	12.463	105	447760	27.01	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.713	83	64940	23.04	ug/L	97
59) 1,2,3-Trichloropropane	12.768	75	48658	22.78	ug/L	97
62) Bromoform	12.353	173	38064	23.56	ug/L	97
63) 1,3-Dichlorobenzene	13.499	146	181661	24.90	ug/L	90
64) 1,4-Dichlorobenzene	13.578	146	185994	25.77	ug/L	93
65) 1,2-Dichlorobenzene	13.871	146	158733	24.19	ug/L	97
66) 1,2-Dibromo-3-chloropr...	14.481	75	11290	22.04	ug/L	93
67) 1,3,5-Trichlorobenzene	14.627	180	126231	23.71	ug/L	90
68) 1,2,4-trichlorobenzene	15.133	180	103481	23.69	ug/L	91
69) Naphthalene	15.365	128	199693	23.22	ug/L	99
70) 1,2,3-Trichlorobenzene	15.554	180	89096	23.43	ug/L	96

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

