

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021921\
 Data File : VW018212.D
 Acq On : 19 Feb 2021 15:03
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02532

Quant Time: Feb 19 17:11:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 18 06:15:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	388401	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	355042	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	195060	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	91385	18.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.72%
7) Chloroethane-d5	2.892	69	82644	21.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.28%
10) 1,1-Dichloroethene-d2	4.025	63	213167	22.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.36%
20) 2-Butanone-d5	7.074	46	60012	46.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.18%
24) Chloroform-d	7.647	84	262038	25.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.84%
26) 1,2-Dichloroethane-d4	8.305	65	128797	23.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.88%
29) Benzene-d6	8.275	84	498277	25.56	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.24%
33) 1,2-Dichloropropane-d6	9.275	67	143263	26.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.12%
37) Toluene-d8	10.323	98	480570	25.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.64%
38) trans-1,3-Dichloroprop...	10.579	79	63052	25.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.04%
39) 2-Hexanone-d5	10.921	63	52770	50.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.24%
48) 1,1,2,2-Tetrachloroeth...	12.689	84	123777	25.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.36%
61) 1,2-Dichlorobenzene-d4	13.853	152	189306	27.21	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.84%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.014	85	100080	19.04	ug/L	95
3) Chloromethane	2.215	50	78306	20.23	ug/L	100
5) Vinyl chloride	2.367	62	119187	22.33	ug/L	99
6) Bromomethane	2.788	94	81380	21.43	ug/L	99
8) Chloroethane	2.928	64	70426	22.08	ug/L	97
9) Trichlorofluoromethane	3.263	101	88334	22.88	ug/L	100
11) 1,1,2-Trichloro-1,2,2-...	4.074	101	128723	23.34	ug/L #	66
12) 1,1-Dichloroethene	4.050	96	123269	23.75	ug/L	83
13) Acetone	4.117	43	33784	35.45	ug/L	97
14) Carbon disulfide	4.385	76	327814	21.69	ug/L	98
15) Methyl Acetate	4.666	43	39013	18.45	ug/L	97
16) Methylene chloride	4.916	84	149445	24.01	ug/L	92
17) Methyl tert-butyl Ether	5.422	73	133096	22.84	ug/L	96
18) trans-1,2-Dichloroethene	5.422	96	129729	23.39	ug/L	97
19) 1,1-Dichloroethane	6.214	63	206870	23.11	ug/L	98
21) 2-Butanone	7.165	43	51358	35.40	ug/L	92
22) cis-1,2-Dichloroethene	7.165	96	136757	23.77	ug/L	97
23) Bromochloromethane	7.513	128	62850	22.73	ug/L	90
25) Chloroform	7.671	83	225471	23.08	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	131566	20.75	ug/L	99
30) Cyclohexane	7.958	56	182270	22.44	ug/L	95
31) 1,1,1-Trichloroethane	7.872	97	189193	24.03	ug/L	99
32) Carbon tetrachloride	8.067	117	182404	23.92	ug/L	98
34) Benzene	8.323	78	489191	23.57	ug/L	100
35) Trichloroethene	9.092	95	136891	23.41	ug/L	98
36) Methylcyclohexane	9.335	83	222086	22.59	ug/L	96
40) 1,2-Dichloropropane	9.366	63	111173	23.35	ug/L	100
41) Bromodichloromethane	9.646	83	156870	23.01	ug/L	96
42) cis-1,3-Dichloropropene	10.073	75	182588	23.79	ug/L	100
43) 4-Methyl-2-pentanone	10.207	43	114191	38.57	ug/L	92
44) Toluene	10.384	91	544075	23.82	ug/L	96
45) trans-1,3-Dichloropropene	10.604	75	153963	23.05	ug/L	98
46) 1,1,2-Trichloroethane	10.786	97	89545	22.03	ug/L	98
47) Tetrachloroethene	10.860	164	120826	24.27	ug/L	93
49) 2-Hexanone	10.969	43	77983	37.90	ug/L	97
50) Dibromochloromethane	11.128	129	112445	23.09	ug/L	97
51) 1,2-Dibromoethane	11.231	107	87718	21.64	ug/L #	98
52) Chlorobenzene	11.652	112	353350	23.49	ug/L	96
53) Ethylbenzene	11.731	91	611579	23.57	ug/L	97
54) m,p-Xylene	11.835	106	239308	24.18	ug/L	98
55) o-xylene	12.164	106	227571	24.24	ug/L	100
56) Styrene	12.176	104	388113	24.31	ug/L	98
57) Isopropylbenzene	12.463	105	632165	24.18	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.713	83	99058	20.60	ug/L	97
59) 1,2,3-Trichloropropane	12.768	75	72585	19.93	ug/L	99
62) Bromoform	12.347	173	63435	21.10	ug/L	98
63) 1,3-Dichlorobenzene	13.499	146	289754	23.30	ug/L	94
64) 1,4-Dichlorobenzene	13.579	146	287183	22.97	ug/L	93
65) 1,2-Dichlorobenzene	13.865	146	256865	22.91	ug/L	98
66) 1,2-Dibromo-3-chloropr...	14.481	75	15464	18.21	ug/L	97
67) 1,3,5-Trichlorobenzene	14.627	180	228661	23.94	ug/L	100
68) 1,2,4-trichlorobenzene	15.127	180	183391	23.03	ug/L	96
69) Naphthalene	15.365	128	321078	20.72	ug/L	99
70) 1,2,3-Trichlorobenzene	15.548	180	157143	22.14	ug/L	99

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

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