

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012121\
 Data File : VW017971.D
 Acq On : 21 Jan 2021 10:03
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Quant Time: Jan 22 00:15:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM011821S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 20 22:00:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	347850	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	318636	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	167283	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	116269	21.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.16%
7) Chloroethane-d5	2.885	69	106962	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.92%
10) 1,1-Dichloroethene-d2	4.019	63	223218	22.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.52%
20) 2-Butanone-d5	7.080	46	58832	44.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.12%
24) Chloroform-d	7.647	84	222399	23.43	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.72%
26) 1,2-Dichloroethane-d4	8.305	65	125813	23.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.72%
29) Benzene-d6	8.269	84	417603	22.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.60%
33) 1,2-Dichloropropane-d6	9.274	67	122292	23.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.24%
37) Toluene-d8	10.323	98	391133	22.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.36%
38) trans-1,3-Dichloroprop...	10.579	79	53512	22.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.32%
39) 2-Hexanone-d5	10.927	63	41674	44.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.58%
48) 1,1,2,2-Tetrachloroeth...	12.695	84	111934	24.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.00%
61) 1,2-Dichlorobenzene-d4	13.853	152	126830	21.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.16%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	105873	25.14	ug/L	97
3) Chloromethane	2.215	50	99955	26.25	ug/L	94
5) Vinyl chloride	2.361	62	159921	27.55	ug/L	97
6) Bromomethane	2.776	94	133248	28.57	ug/L	99
8) Chloroethane	2.922	64	103418	28.68	ug/L	96
9) Trichlorofluoromethane	3.257	101	109149	24.80	ug/L	99
11) 1,1,2-Trichloro-1,2,2-...	4.068	101	123823	25.58	ug/L #	71
12) 1,1-Dichloroethene	4.044	96	117788	25.81	ug/L	89
13) Acetone	4.129	43	46636	50.15	ug/L	92
14) Carbon disulfide	4.385	76	364253	25.78	ug/L	98
15) Methyl Acetate	4.666	43	55767	24.65	ug/L	95
16) Methylene chloride	4.915	84	121498	24.11	ug/L	90
17) Methyl tert-butyl Ether	5.421	73	150151	24.44	ug/L	98
18) trans-1,2-Dichloroethene	5.421	96	124304	25.17	ug/L	90
19) 1,1-Dichloroethane	6.214	63	222056	26.55	ug/L	97
21) 2-Butanone	7.171	43	73329	50.76	ug/L	97
22) cis-1,2-Dichloroethene	7.165	96	132658	25.64	ug/L	95
23) Bromochloromethane	7.513	128	60144	25.57	ug/L	90
25) Chloroform	7.671	83	233661	26.21	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.397	62	165704	26.95	ug/L	98
30) Cyclohexane	7.952	56	206340	26.36	ug/L	99
31) 1,1,1-Trichloroethane	7.872	97	191665	25.81	ug/L	96
32) Carbon tetrachloride	8.067	117	182730	25.74	ug/L	99
34) Benzene	8.323	78	504897	26.81	ug/L	100
35) Trichloroethene	9.092	95	134426	25.95	ug/L	95
36) Methylcyclohexane	9.335	83	234277	25.97	ug/L	99
40) 1,2-Dichloropropane	9.366	63	124577	27.33	ug/L	97
41) Bromodichloromethane	9.640	83	168921	26.86	ug/L	96
42) cis-1,3-Dichloropropene	10.073	75	193235	26.68	ug/L	97
43) 4-Methyl-2-pentanone	10.207	43	153951	50.24	ug/L	95
44) Toluene	10.384	91	553704	26.59	ug/L	97
45) trans-1,3-Dichloropropene	10.603	75	170160	26.89	ug/L	97
46) 1,1,2-Trichloroethane	10.786	97	95261	25.96	ug/L	99
47) Tetrachloroethene	10.866	164	100011	24.54	ug/L	96
49) 2-Hexanone	10.969	43	108835	52.01	ug/L #	88
50) Dibromochloromethane	11.128	129	110751	25.28	ug/L	98
51) 1,2-Dibromoethane	11.231	107	93921	25.46	ug/L #	96
52) Chlorobenzene	11.658	112	352677	26.28	ug/L	97
53) Ethylbenzene	11.731	91	625908	26.62	ug/L	97
54) m,p-Xylene	11.835	106	238081	26.16	ug/L	93
55) o-xylene	12.164	106	226806	26.90	ug/L	97
56) Styrene	12.182	104	383289	26.82	ug/L	100
57) Isopropylbenzene	12.463	105	621178	26.50	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.713	83	119504	26.39	ug/L	98
59) 1,2,3-Trichloropropane	12.768	75	89736	26.21	ug/L	97
62) Bromoform	12.347	173	59162	24.79	ug/L	99
63) 1,3-Dichlorobenzene	13.499	146	264087	25.21	ug/L	92
64) 1,4-Dichlorobenzene	13.579	146	262270	24.91	ug/L	96
65) 1,2-Dichlorobenzene	13.871	146	236689	25.09	ug/L	97
66) 1,2-Dibromo-3-chloropr...	14.481	75	18432	23.32	ug/L #	71
67) 1,3,5-Trichlorobenzene	14.627	180	181185	24.75	ug/L	99
68) 1,2,4-trichlorobenzene	15.133	180	148353	23.74	ug/L	94
69) Naphthalene	15.365	128	320825	24.00	ug/L	100
70) 1,2,3-Trichlorobenzene	15.554	180	129451	23.77	ug/L	97

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

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