

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW011321\
 Data File : VW017868.D
 Acq On : 13 Jan 2021 23:21
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Quant Time: Jan 14 11:39:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 13 03:48:28 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	323044	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	303677	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	153886	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	106835	21.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.48%
7) Chloroethane-d5	2.89	69	102430	24.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.32%
10) 1,1-Dichloroethene-d2	4.03	63	199175	22.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.48%
20) 2-Butanone-d5	7.09	46	53043	65.48	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.96%
24) Chloroform-d	7.65	84	227398	26.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.76%
26) 1,2-Dichloroethane-d4	8.31	65	127434	29.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	116.68%
29) Benzene-d6	8.27	84	430809	25.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.72%
33) 1,2-Dichloropropane-d6	9.27	67	125236	26.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.24%
37) Toluene-d8	10.32	98	399130	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.16%
38) trans-1,3-Dichloropropene-	10.58	79	53200	25.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.24%
39) 2-Hexanone-d5	10.93	63	38739	65.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.84%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	106607	30.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	121.84%#
61) 1,2-Dichlorobenzene-d4	13.85	152	133873	24.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	56288	15.782	ug/L 99
3) Chloromethane	2.21	50	66373	20.936	ug/L 99
5) Vinyl chloride	2.36	62	115648	21.563	ug/L 99
6) Bromomethane	2.78	94	98266	24.708	ug/L 98
8) Chloroethane	2.92	64	82579	24.558	ug/L 97
9) Trichlorofluoromethane	3.26	101	74533	16.938	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	97458	23.731	ug/L 97
12) 1,1-Dichloroethene	4.04	96	88600	22.254	ug/L 90
13) Acetone	4.14	43	30589	43.727	ug/L 98
14) Carbon disulfide	4.39	76	246302	20.718	ug/L 99
15) Methyl Acetate	4.68	43	41062	30.285	ug/L 95
16) Methylene chloride	4.92	84	104983	22.726	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	130119	25.789	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	101508	23.638	ug/L 95
19) 1,1-Dichloroethane	6.22	63	193620	26.391	ug/L 99
21) 2-Butanone	7.17	43	51923	55.180	ug/L 94
22) cis-1,2-Dichloroethene	7.17	96	112982	25.038	ug/L 98

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

23) Bromochloromethane	7.52	128	48855	25.558	ug/L #	87
25) Chloroform	7.68	83	206502	26.750	ug/L	99
27) 1,2-Dichloroethane	8.40	62	140721	28.180	ug/L	100
30) Cyclohexane	7.96	56	163652	22.641	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	163861	23.458	ug/L	98
32) Carbon tetrachloride	8.07	117	152020	23.067	ug/L	100
34) Benzene	8.32	78	431628	24.858	ug/L	100
35) Trichloroethene	9.09	95	115649	24.063	ug/L	95
36) Methylcyclohexane	9.34	83	188494	22.435	ug/L	97
40) 1,2-Dichloropropane	9.37	63	108579	26.489	ug/L	99
41) Bromodichloromethane	9.65	83	148983	26.553	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	167948	25.676	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	122199	61.362	ug/L	97
44) Toluene	10.38	91	480567	24.272	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	142409	25.567	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	80031	26.267	ug/L	97
47) Tetrachloroethene	10.86	164	83924	22.335	ug/L	95
49) 2-Hexanone	10.97	43	85870	60.775	ug/L	95
50) Dibromochloromethane	11.13	129	92203	25.490	ug/L	97
51) 1,2-Dibromoethane	11.24	107	77076	26.721	ug/L	93
52) Chlorobenzene	11.66	112	300958	24.349	ug/L	99
53) Ethylbenzene	11.73	91	546607	24.331	ug/L	100
54) m,p-Xylene	11.84	106	205472	23.381	ug/L	98
55) o-xylene	12.16	106	195163	23.614	ug/L	93
56) Styrene	12.18	104	341404	24.834	ug/L	99
57) Isopropylbenzene	12.46	105	543277	23.744	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	97091	28.550	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	70862	28.347	ug/L	97
62) Bromoform	12.35	173	47726	25.347	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	228774	24.086	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	231319	24.235	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	203665	24.403	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.48	75	15332	27.892	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	159468	24.490	ug/L	96
68) 1,2,4-trichlorobenzene	15.13	180	132920	24.800	ug/L	99
69) Naphthalene	15.36	128	265702	26.033	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	113319	25.038	ug/L	96

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

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