

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122420\
 Data File : VW017731.D
 Acq On : 24 Dec 2020 12:39
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV06

Quant Time: Dec 25 07:23:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 24 12:31:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	387408	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	349112	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	182217	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	137346	22.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.64%
7) Chloroethane-d5	2.89	69	118164	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.56%
10) 1,1-Dichloroethene-d2	4.03	63	245826	23.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.16%
20) 2-Butanone-d5	7.08	46	52712	54.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.52%
24) Chloroform-d	7.65	84	256318	25.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.28%
26) 1,2-Dichloroethane-d4	8.30	65	136415	26.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.12%
29) Benzene-d6	8.27	84	488254	24.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.32%
33) 1,2-Dichloropropane-d6	9.27	67	137759	25.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.64%
37) Toluene-d8	10.32	98	471330	24.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.84%
38) trans-1,3-Dichloropropene-	10.58	79	66058	27.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.36%
39) 2-Hexanone-d5	10.93	63	38085	55.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	110989	27.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	163066	25.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	88873	20.778	ug/L 97
3) Chloromethane	2.21	50	75410	19.835	ug/L 97
5) Vinyl chloride	2.37	62	135945	21.136	ug/L 98
6) Bromomethane	2.78	94	103464	21.693	ug/L 100
8) Chloroethane	2.93	64	88284	21.893	ug/L 97
9) Trichlorofluoromethane	3.27	101	101053	19.150	ug/L 96
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	109163	22.165	ug/L 98
12) 1,1-Dichloroethene	4.05	96	105106	22.014	ug/L 97
13) Acetone	4.12	43	39868	47.522	ug/L 95
14) Carbon disulfide	4.39	76	324105	22.733	ug/L 99
15) Methyl Acetate	4.67	43	39987	24.592	ug/L 99
16) Methylene chloride	4.92	84	111090	20.052	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	142329	23.522	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	116687	22.658	ug/L 91
19) 1,1-Dichloroethane	6.22	63	199686	22.696	ug/L 99
21) 2-Butanone	7.17	43	55901	49.538	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	120860	22.334	ug/L 99

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

23) Bromochloromethane	7.51	128	52632	22.959	ug/L #	86
25) Chloroform	7.68	83	210381	22.724	ug/L	99
27) 1,2-Dichloroethane	8.40	62	139822	23.348	ug/L	99
30) Cyclohexane	7.96	56	185037	22.268	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	178759	22.260	ug/L	98
32) Carbon tetrachloride	8.07	117	170422	22.494	ug/L	99
34) Benzene	8.32	78	457308	22.910	ug/L	100
35) Trichloroethene	9.09	95	123913	22.427	ug/L	98
36) Methylcyclohexane	9.34	83	215766	22.339	ug/L	99
40) 1,2-Dichloropropane	9.37	63	108590	23.044	ug/L	100
41) Bromodichloromethane	9.65	83	149055	23.108	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	179082	23.815	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	114961	50.215	ug/L	100
44) Toluene	10.39	91	508611	22.345	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	153685	24.000	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	82273	23.489	ug/L	94
47) Tetrachloroethene	10.87	164	97849	22.651	ug/L	92
49) 2-Hexanone	10.97	43	80600	49.621	ug/L	97
50) Dibromochloromethane	11.13	129	98571	23.704	ug/L	98
51) 1,2-Dibromoethane	11.24	107	81036	24.438	ug/L	96
52) Chlorobenzene	11.66	112	320975	22.589	ug/L	97
53) Ethylbenzene	11.73	91	587806	22.760	ug/L	99
54) m,p-Xylene	11.84	106	223653	22.138	ug/L	97
55) o-xylene	12.16	106	217229	22.863	ug/L	98
56) Styrene	12.18	104	367001	23.222	ug/L	98
57) Isopropylbenzene	12.46	105	596993	22.696	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	94614	24.201	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	70122	24.400	ug/L	99
62) Bromoform	12.35	173	52504	23.549	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	253894	22.575	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	251608	22.262	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	225755	22.844	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	15892	24.416	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	175396	22.748	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	141040	22.224	ug/L	95
69) Naphthalene	15.36	128	282077	23.340	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	119348	22.270	ug/L	98

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

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