

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031419\
 Data File : VW009173.D
 Acq On : 14 Mar 2019 16:45
 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: Mar 15 06:50:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 14 16:36:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	471263	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	442858	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	228807	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	149411	26.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.12%
7) Chloroethane-d5	2.89	69	154683	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.88%
10) 1,1-Dichloroethene-d2	4.02	63	307845	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.16%
20) 2-Butanone-d5	7.07	46	114695	49.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.50%
24) Chloroform-d	7.64	84	311874	24.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	8.30	65	187785	24.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.96%
29) Benzene-d6	8.27	84	590176	24.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.64%
33) 1,2-Dichloropropane-d6	9.27	67	179906	24.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.12%
37) Toluene-d8	10.32	98	550395	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.48%
38) trans-1,3-Dichloropropene-	10.58	79	88848	24.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.48%
39) 2-Hexanone-d5	10.92	63	90284	50.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	178519	24.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	212841	24.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	143888	23.177 ug/L	85
3) Chloromethane	2.22	50	187532	28.472 ug/L	97
5) Vinyl chloride	2.37	62	204207	30.121 ug/L	97
6) Bromomethane	2.78	94	152589	26.865 ug/L	100
8) Chloroethane	2.92	64	149029	26.570 ug/L	91
9) Trichlorofluoromethane	3.26	101	127519	23.812 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	154704	25.015 ug/L #	63
12) 1,1-Dichloroethene	4.04	96	155367	26.773 ug/L	90
13) Acetone	4.12	43	104076	54.493 ug/L	98
14) Carbon disulfide	4.38	76	452317	28.961 ug/L	99
15) Methyl Acetate	4.67	43	99651	26.559 ug/L	99
16) Methylene chloride	4.92	84	164480	23.934 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	224273	27.313 ug/L	98
18) trans-1,2-Dichloroethene	5.41	96	161826	26.523 ug/L	97
19) 1,1-Dichloroethane	6.21	63	294709	26.491 ug/L	99
21) 2-Butanone	7.17	43	144857	54.930 ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	176286	26.672 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	81329	25.655	ug/L	96
25) Chloroform	7.67	83	305233	26.199	ug/L	100
27) 1,2-Dichloroethane	8.40	62	232199	26.732	ug/L	97
30) Cyclohexane	7.95	56	276310	27.472	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	235356	26.609	ug/L	99
32) Carbon tetrachloride	8.06	117	237491	26.613	ug/L	98
34) Benzene	8.32	78	650392	26.832	ug/L	100
35) Trichloroethene	9.09	95	169466	26.238	ug/L	99
36) Methylcyclohexane	9.33	83	298191	26.685	ug/L	100
40) 1,2-Dichloropropane	9.37	63	165500	26.607	ug/L	99
41) Bromodichloromethane	9.64	83	232964	27.031	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	275305	27.175	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	300237	53.268	ug/L	100
44) Toluene	10.38	91	706344	26.652	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	238548	27.068	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	131016	26.402	ug/L	98
47) Tetrachloroethene	10.86	164	142002	26.020	ug/L	99
49) 2-Hexanone	10.97	43	224219	56.482	ug/L	99
50) Dibromochloromethane	11.13	129	166725	27.217	ug/L	93
51) 1,2-Dibromoethane	11.23	107	137053	27.244	ug/L	95
52) Chlorobenzene	11.66	112	453439	26.676	ug/L	100
53) Ethylbenzene	11.73	91	808499	27.134	ug/L	99
54) m,p-Xylene	11.84	106	303572	26.817	ug/L	97
55) o-xylene	12.16	106	293137	26.544	ug/L	99
56) Styrene	12.18	104	515041	27.334	ug/L	96
57) Isopropylbenzene	12.46	105	797389	26.954	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	179663	26.838	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	135236	27.220	ug/L	100
62) Bromoform	12.35	173	106408	27.524	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	359447	26.359	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	369372	26.199	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	345040	26.532	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	33385	26.194	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	280982	26.417	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	241501	27.031	ug/L	99
69) Naphthalene	15.37	128	531953	28.718	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	227883	27.232	ug/L	99

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

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