

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101019\
 Data File : VW013523.D
 Acq On : 10 Oct 2019 16:45
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 11 09:02:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 11 07:46:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	511264	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	450407	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	230780	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	142980	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.76%
7) Chloroethane-d5	2.89	69	104275	23.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.84%
10) 1,1-Dichloroethene-d2	4.01	63	285759	23.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.12%
20) 2-Butanone-d5	7.07	46	84403	47.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.78%
24) Chloroform-d	7.65	84	258678	23.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.16%
26) 1,2-Dichloroethane-d4	8.31	65	134060	23.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.20%
29) Benzene-d6	8.27	84	573007	23.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.00%
33) 1,2-Dichloropropane-d6	9.27	67	168073	23.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.92%
37) Toluene-d8	10.32	98	538278	23.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.00%
38) trans-1,3-Dichloropropene-	10.58	79	74972	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.04%
39) 2-Hexanone-d5	10.92	63	66828	46.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	134713	23.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	194892	23.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	73344	26.327	ug/L 99
3) Chloromethane	2.21	50	103585	21.162	ug/L 99
5) Vinyl chloride	2.36	62	154258	22.274	ug/L 98
6) Bromomethane	2.78	94	94836	22.357	ug/L 98
8) Chloroethane	2.92	64	86515	22.272	ug/L 98
9) Trichlorofluoromethane	3.26	101	79905	22.132	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	141204	22.038	ug/L 99
12) 1,1-Dichloroethene	4.04	96	144635	22.536	ug/L 95
13) Acetone	4.13	43	77868	38.439	ug/L 99
14) Carbon disulfide	4.38	76	435141	22.218	ug/L 99
15) Methyl Acetate	4.67	43	70024	22.160	ug/L 99
16) Methylene chloride	4.91	84	149690	19.330	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	229486	22.251	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	148422	21.672	ug/L 99
19) 1,1-Dichloroethane	6.21	63	252065	21.922	ug/L 97
21) 2-Butanone	7.17	43	102392	41.317	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	158887	21.692	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	71392	21.767	ug/L	97
25) Chloroform	7.67	83	248285	21.888	ug/L	100
27) 1,2-Dichloroethane	8.40	62	158169	22.046	ug/L	100
30) Cyclohexane	7.95	56	261336	22.067	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	200212	22.070	ug/L	100
32) Carbon tetrachloride	8.07	117	190312	21.871	ug/L	98
34) Benzene	8.32	78	591876	21.752	ug/L	100
35) Trichloroethene	9.09	95	154391	21.752	ug/L	100
36) Methylcyclohexane	9.34	83	286093	22.165	ug/L	100
40) 1,2-Dichloropropane	9.37	63	143052	21.823	ug/L	100
41) Bromodichloromethane	9.64	83	177148	22.003	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	234166	22.268	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	192823	42.160	ug/L	97
44) Toluene	10.38	91	646215	21.914	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	185596	22.351	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	109114	21.929	ug/L	98
47) Tetrachloroethene	10.86	164	142925	22.095	ug/L	98
49) 2-Hexanone	10.97	43	146518	44.079	ug/L	98
50) Dibromochloromethane	11.13	129	129658	22.131	ug/L	99
51) 1,2-Dibromoethane	11.23	107	108312	22.159	ug/L #	98
52) Chlorobenzene	11.66	112	408031	21.802	ug/L	99
53) Ethylbenzene	11.73	91	716064	21.937	ug/L	99
54) m,p-Xylene	11.84	106	278593	21.878	ug/L	96
55) o-xylene	12.16	106	262305	22.068	ug/L	99
56) Styrene	12.18	104	451973	22.327	ug/L	99
57) Isopropylbenzene	12.46	105	712761	22.105	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	126481	21.515	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	97089	22.117	ug/L	100
62) Bromoform	12.35	173	81771	22.029	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	331742	21.452	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	331371	21.526	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	298778	21.488	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	20535	21.392	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	252950	21.672	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	210708	21.780	ug/L	98
69) Naphthalene	15.36	128	390535	22.163	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	189375	21.983	ug/L	99

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

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