

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091918\
 Data File : VW005523.D
 Acq On : 19 Sep 2018 20:30
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV98

Quant Time: Sep 20 10:44:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091918S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 20 10:42:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	433603	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	410597	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	212766	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	145484	24.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.68%
7) Chloroethane-d5	2.89	69	114597	24.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.52%
10) 1,1-Dichloroethene-d2	4.01	63	314147	24.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.80%
20) 2-Butanone-d5	7.09	46	100144	43.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.90%
24) Chloroform-d	7.65	84	302569	25.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.84%
26) 1,2-Dichloroethane-d4	8.31	65	182369	25.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.96%
29) Benzene-d6	8.28	84	601719	24.79	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.16%
33) 1,2-Dichloropropane-d6	9.27	67	183805	24.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.40%
37) Toluene-d8	10.33	98	571678	25.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.32%
38) trans-1,3-Dichloropropene-	10.58	79	85827	25.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.20%
39) 2-Hexanone-d5	10.93	63	82837	47.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	162668	24.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	204174	24.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.08%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	148237	24.563	ug/L 96
3) Chloromethane	2.21	50	144125	22.669	ug/L 100
5) Vinyl chloride	2.37	62	155203	25.198	ug/L 98
6) Bromomethane	2.78	94	90118	23.586	ug/L 100
8) Chloroethane	2.93	64	89106	23.756	ug/L 99
9) Trichlorofluoromethane	3.26	101	123933	23.205	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	140473	24.641	ug/L 98
12) 1,1-Dichloroethene	4.03	96	129357	24.118	ug/L 91
13) Acetone	4.12	43	69211	35.479	ug/L 98
14) Carbon disulfide	4.37	76	411549	23.633	ug/L 98
15) Methyl Acetate	4.67	43	81938	21.520	ug/L 100
16) Methylene chloride	4.92	84	144408	20.136	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	211667	24.535	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	138189	24.208	ug/L 98
19) 1,1-Dichloroethane	6.21	63	265695	24.399	ug/L 98
21) 2-Butanone	7.18	43	106570	39.853	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	152739	24.671	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	67565	24.543	ug/L	98
25) Chloroform	7.68	83	274278	24.952	ug/L	99
27) 1,2-Dichloroethane	8.40	62	201009	24.783	ug/L	100
30) Cyclohexane	7.96	56	260346	24.299	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	230232	24.550	ug/L	100
32) Carbon tetrachloride	8.07	117	221941	24.841	ug/L	99
34) Benzene	8.32	78	602667	24.321	ug/L	100
35) Trichloroethene	9.09	95	153201	23.903	ug/L	100
36) Methylcyclohexane	9.34	83	282156	24.558	ug/L	99
40) 1,2-Dichloropropane	9.37	63	156698	24.355	ug/L	100
41) Bromodichloromethane	9.65	83	195905	24.695	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	235502	24.895	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	237201	45.963	ug/L	99
44) Toluene	10.39	91	639459	24.956	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	215566	24.959	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	113954	23.892	ug/L	97
47) Tetrachloroethene	10.87	164	126916	24.286	ug/L	97
49) 2-Hexanone	10.98	43	174221	46.719	ug/L	99
50) Dibromochloromethane	11.13	129	133717	23.840	ug/L	90
51) 1,2-Dibromoethane	11.24	107	111449	24.706	ug/L	100
52) Chlorobenzene	11.66	112	408899	24.627	ug/L	97
53) Ethylbenzene	11.74	91	750467	25.218	ug/L	99
54) m,p-Xylene	11.85	106	277425	25.390	ug/L	97
55) o-xylene	12.17	106	262127	25.347	ug/L	99
56) Styrene	12.18	104	467044	26.251	ug/L	94
57) Isopropylbenzene	12.47	105	742787	25.659	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	153127	23.609	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	119289	23.059	ug/L	99
62) Bromoform	12.35	173	88108	23.880	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	328288	24.406	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	338947	24.540	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	312621	24.706	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	28334	21.584	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	260008	24.676	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	217126	25.123	ug/L	99
69) Naphthalene	15.38	128	445778	24.300	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	199652	24.464	ug/L	99

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

