

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091418\
 Data File : VW005358.D
 Acq On : 13 Sep 2018 18:25
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV86

Quant Time: Sep 14 06:00:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091318S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 14 05:03:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	312275	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	305516	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	161312	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	85730	23.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.16%
7) Chloroethane-d5	2.89	69	66357	26.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.16%
10) 1,1-Dichloroethene-d2	4.03	63	162550	25.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.04%
20) 2-Butanone-d5	7.10	46	57363	42.26	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.52%
24) Chloroform-d	7.65	84	165916	28.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	113.96%
26) 1,2-Dichloroethane-d4	8.31	65	102841	27.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.44%
29) Benzene-d6	8.28	84	338216	27.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.28%
33) 1,2-Dichloropropane-d6	9.28	67	97548	27.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.44%
37) Toluene-d8	10.33	98	354918	28.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.24%
38) trans-1,3-Dichloropropene-	10.58	79	48668	27.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	111.12%
39) 2-Hexanone-d5	10.93	63	49964	45.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.66%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	93956	25.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.64%
61) 1,2-Dichlorobenzene-d4	13.86	152	136956	28.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	113.16%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	2.00	85	158855	24.68	ug/L	100
3) Chloromethane	2.21	50	142244	24.00	ug/L	99
5) Vinyl chloride	2.36	62	135784	24.04	ug/L	100
6) Bromomethane	2.78	94	76596	26.18	ug/L	99
8) Chloroethane	2.92	64	73635	24.55	ug/L	96
9) Trichlorofluoromethane	3.27	101	175082	23.80	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	96658	24.06	ug/L	99
12) 1,1-Dichloroethene	4.04	96	83815	24.66	ug/L	91
13) Acetone	4.15	43	43894	34.44	ug/L	97
14) Carbon disulfide	4.38	76	322212	24.15	ug/L	99
15) Methyl Acetate	4.68	43	53869	19.16	ug/L	100
16) Methylene chloride	4.93	84	118480	19.98	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	227138	24.08	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	94742	24.97	ug/L	97
19) 1,1-Dichloroethane	6.23	63	172599	24.89	ug/L	99
21) 2-Butanone	7.19	43	66617	34.11	ug/L	94
22) cis-1,2-Dichloroethene	7.18	96	101151	24.98	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	46428	24.60	ug/L	98
25) Chloroform	7.68	83	183555	25.17	ug/L	99
27) 1,2-Dichloroethane	8.41	62	138900	24.54	ug/L	99
30) Cyclohexane	7.96	56	166881	24.19	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	173994	25.05	ug/L	98
32) Carbon tetrachloride	8.07	117	155473	24.13	ug/L	100
34) Benzene	8.33	78	423776	24.90	ug/L	100
35) Trichloroethene	9.10	95	109657	24.27	ug/L	98
36) Methylcyclohexane	9.34	83	193301	24.65	ug/L	97
40) 1,2-Dichloropropane	9.37	63	100252	23.86	ug/L	100
41) Bromodichloromethane	9.65	83	134359	24.94	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	154791	24.94	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	161473	40.19	ug/L	100
44) Toluene	10.40	91	498615	25.57	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	142782	24.55	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	77781	23.58	ug/L	98
47) Tetrachloroethene	10.87	164	98487	24.08	ug/L	99
49) 2-Hexanone	10.98	43	113785	38.53	ug/L	96
50) Dibromochloromethane	11.13	129	95228	24.17	ug/L	94
51) 1,2-Dibromoethane	11.24	107	74732	23.08	ug/L	99
52) Chlorobenzene	11.66	112	314986	24.75	ug/L	96
53) Ethylbenzene	11.74	91	572328	25.23	ug/L	99
54) m,p-Xylene	11.85	106	215567	25.38	ug/L	97
55) o-xylene	12.17	106	204291	25.62	ug/L	99
56) Styrene	12.19	104	358500	26.04	ug/L	99
57) Isopropylbenzene	12.47	105	563742	25.45	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	99273	21.89	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	82323	21.24	ug/L	99
62) Bromoform	12.35	173	62209	23.02	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	255071	24.87	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	263273	24.87	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	242286	24.67	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	20585	19.32	ug/L	87
67) 1,3,5-Trichlorobenzene	14.64	180	198945	24.49	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	167179	24.90	ug/L	99
69) Naphthalene	15.38	128	341233	23.20	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	157729	25.00	ug/L	99

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

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