

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012720\
 Data File : VW014767.D
 Acq On : 27 Jan 2020 14:47
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV02

Quant Time: Jan 28 07:08:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 27 15:38:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1049774	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	947468	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	464288	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	339427	20.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.64%
7) Chloroethane-d5	2.89	69	299555	21.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.80%
10) 1,1-Dichloroethene-d2	4.03	63	662954	22.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.12%
20) 2-Butanone-d5	7.07	46	199752	42.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.62%
24) Chloroform-d	7.65	84	642111	22.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.64%
26) 1,2-Dichloroethane-d4	8.30	65	340619	21.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.32%
29) Benzene-d6	8.27	84	1320855	22.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.60%
33) 1,2-Dichloropropane-d6	9.27	67	416742	22.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.92%
37) Toluene-d8	10.32	98	1182000	22.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.00%
38) trans-1,3-Dichloropropene-	10.57	79	160214	21.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.76%
39) 2-Hexanone-d5	10.92	63	155653	44.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	311314	21.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	388781	21.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	321777	24.926	ug/L 94
3) Chloromethane	2.21	50	330112	21.920	ug/L 99
5) Vinyl chloride	2.36	62	510328	24.086	ug/L 97
6) Bromomethane	2.78	94	273275	24.674	ug/L 100
8) Chloroethane	2.92	64	273236	23.804	ug/L 97
9) Trichlorofluoromethane	3.26	101	213197	20.955	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	358830	24.692	ug/L 99
12) 1,1-Dichloroethene	4.04	96	354831	24.760	ug/L 94
13) Acetone	4.12	43	222267	43.956	ug/L 99
14) Carbon disulfide	4.38	76	1167495	24.887	ug/L 99
15) Methyl Acetate	4.67	43	196188	25.998	ug/L 99
16) Methylene chloride	4.92	84	391308	22.057	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	503911	26.601	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	377994	25.529	ug/L 99
19) 1,1-Dichloroethane	6.21	63	714396	25.729	ug/L 100
21) 2-Butanone	7.16	43	277663	49.042	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	408249	26.336	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	171654	25.340	ug/L	95
25) Chloroform	7.67	83	671556	25.922	ug/L	98
27) 1,2-Dichloroethane	8.40	62	447015	26.114	ug/L	99
30) Cyclohexane	7.95	56	682132	26.365	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	519812	25.126	ug/L	99
32) Carbon tetrachloride	8.06	117	486616	25.098	ug/L	99
34) Benzene	8.32	78	1576968	25.988	ug/L	100
35) Trichloroethene	9.09	95	388264	25.187	ug/L	99
36) Methylcyclohexane	9.33	83	698625	26.050	ug/L	99
40) 1,2-Dichloropropane	9.37	63	399094	25.944	ug/L	99
41) Bromodichloromethane	9.64	83	476263	25.906	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	592921	26.390	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	526135	52.016	ug/L	99
44) Toluene	10.38	91	1626096	26.373	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	476231	26.110	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	274734	26.163	ug/L	99
47) Tetrachloroethene	10.86	164	310210	25.186	ug/L	98
49) 2-Hexanone	10.96	43	382313	52.571	ug/L	99
50) Dibromochloromethane	11.13	129	311445	25.994	ug/L	100
51) 1,2-Dibromoethane	11.23	107	261413	25.879	ug/L	99
52) Chlorobenzene	11.65	112	996975	25.895	ug/L	99
53) Ethylbenzene	11.73	91	1780650	26.427	ug/L	98
54) m,p-Xylene	11.83	106	677136	26.884	ug/L	95
55) o-xylene	12.16	106	633373	26.800	ug/L	98
56) Styrene	12.18	104	1103867	27.540	ug/L	99
57) Isopropylbenzene	12.46	105	1702880	26.605	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	337554	24.949	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	253706	24.963	ug/L	99
62) Bromoform	12.35	173	178233	24.455	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	767433	25.602	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	761011	25.332	ug/L	99
65) 1,2-Dichlorobenzene	13.86	146	700253	25.684	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	54058	24.174	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	573720	25.841	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	449184	27.262	ug/L	100
69) Naphthalene	15.36	128	858910	28.823	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	416574	27.576	ug/L	100

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

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