

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062920\
 Data File : VW015756.D
 Acq On : 29 Jun 2020 11:43
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV03

Quant Time: Jun 30 02:54:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 29 12:09:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	367975	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	340217	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	168703	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	118098	19.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.04%
7) Chloroethane-d5	2.89	69	95167	19.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.04%
10) 1,1-Dichloroethene-d2	4.02	63	222909	21.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.04%
20) 2-Butanone-d5	7.09	46	53544	42.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.96%
24) Chloroform-d	7.65	84	215474	21.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.04%
26) 1,2-Dichloroethane-d4	8.31	65	121263	20.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.12%
29) Benzene-d6	8.27	84	416830	20.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.20%
33) 1,2-Dichloropropane-d6	9.27	67	124207	20.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.72%
37) Toluene-d8	10.32	98	393208	20.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.32%
38) trans-1,3-Dichloropropene-	10.58	79	57496	21.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.44%
39) 2-Hexanone-d5	10.93	63	42381	43.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.62%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	99714	21.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	136681	20.89	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	90999	26.228	ug/L	97
3) Chloromethane	2.21	50	89500	23.971	ug/L	99
5) Vinyl chloride	2.37	62	139878	25.013	ug/L	99
6) Bromomethane	2.78	94	88797	23.966	ug/L	100
8) Chloroethane	2.93	64	86353	24.750	ug/L	97
9) Trichlorofluoromethane	3.26	101	102085	24.964	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	111913	25.242	ug/L	98
12) 1,1-Dichloroethene	4.04	96	108045	25.245	ug/L	88
13) Acetone	4.13	43	48720	46.118	ug/L	98
14) Carbon disulfide	4.38	76	339323	25.532	ug/L	99
15) Methyl Acetate	4.68	43	50462	26.663	ug/L	100
16) Methylene chloride	4.92	84	119796	22.188	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	176150	26.862	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	120510	26.230	ug/L	95
19) 1,1-Dichloroethane	6.21	63	216865	26.180	ug/L	100
21) 2-Butanone	7.18	43	65296	49.998	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	126285	26.590	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	56421	26.971	ug/L	95
25) Chloroform	7.68	83	221871	26.517	ug/L	100
27) 1,2-Dichloroethane	8.40	62	155185	26.823	ug/L	98
30) Cyclohexane	7.96	56	202528	26.395	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	190811	25.913	ug/L	99
32) Carbon tetrachloride	8.07	117	172483	25.917	ug/L	100
34) Benzene	8.32	78	486643	26.045	ug/L	100
35) Trichloroethene	9.09	95	127462	25.582	ug/L	99
36) Methylcyclohexane	9.34	83	228217	26.556	ug/L	99
40) 1,2-Dichloropropane	9.37	63	119959	26.379	ug/L	99
41) Bromodichloromethane	9.65	83	158586	26.840	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	191037	26.911	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	143010	53.900	ug/L	99
44) Toluene	10.39	91	534663	26.339	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	167206	27.062	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	88275	26.889	ug/L	99
47) Tetrachloroethene	10.87	164	102332	25.559	ug/L	99
49) 2-Hexanone	10.97	43	99648	53.316	ug/L	100
50) Dibromochloromethane	11.13	129	102394	26.645	ug/L	89
51) 1,2-Dibromoethane	11.24	107	85847	26.977	ug/L	95
52) Chlorobenzene	11.66	112	335988	26.333	ug/L	98
53) Ethylbenzene	11.73	91	612360	26.681	ug/L	99
54) m,p-Xylene	11.84	106	233651	27.237	ug/L	99
55) o-xylene	12.17	106	222649	27.157	ug/L	99
56) Styrene	12.18	104	383263	27.539	ug/L	100
57) Isopropylbenzene	12.46	105	614710	27.144	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	106044	27.145	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	79719	27.020	ug/L	100
62) Bromoform	12.35	173	57910	26.758	ug/L #	99
63) 1,3-Dichlorobenzene	13.50	146	264267	26.408	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	259072	25.988	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	234599	26.514	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	17229	27.186	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	183996	26.810	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	150301	27.142	ug/L	99
69) Naphthalene	15.37	128	284829	28.113	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	129495	27.048	ug/L	98

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

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