

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073120\
 Data File : VW016025.D
 Acq On : 31 Jul 2020 17:23
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Quant Time: Aug 01 02:50:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 01 02:48:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	415679	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	383615	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	181815	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	98071	16.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.88%
7) Chloroethane-d5	2.89	69	96323	20.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.88%
10) 1,1-Dichloroethene-d2	4.02	63	250813	21.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.60%
20) 2-Butanone-d5	7.09	46	102975	66.83	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.66%
24) Chloroform-d	7.65	84	272567	23.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	8.31	65	145655	22.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.92%
29) Benzene-d6	8.28	84	523795	22.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.72%
33) 1,2-Dichloropropane-d6	9.27	67	170498	24.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.44%
37) Toluene-d8	10.33	98	473653	22.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.56%
38) trans-1,3-Dichloropropene-	10.58	79	68584	22.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.96%
39) 2-Hexanone-d5	10.93	63	81777	70.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.32%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	160709	29.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	119.48%
61) 1,2-Dichlorobenzene-d4	13.86	152	174050	24.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	84601	24.052	ug/L	93
3) Chloromethane	2.21	50	111409	26.189	ug/L	100
5) Vinyl chloride	2.37	62	167201	25.483	ug/L	99
6) Bromomethane	2.79	94	97024	24.787	ug/L	98
8) Chloroethane	2.93	64	102642	26.704	ug/L	98
9) Trichlorofluoromethane	3.26	101	129710	29.410	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	147674	27.392	ug/L	97
12) 1,1-Dichloroethene	4.04	96	147465	27.597	ug/L	87
13) Acetone	4.15	43	84250	65.113	ug/L	96
14) Carbon disulfide	4.38	76	417045	24.713	ug/L	100
15) Methyl Acetate	4.68	43	81329	33.336	ug/L	97
16) Methylene chloride	4.92	84	184260	27.052	ug/L	91
17) Methyl tert-butyl Ether	5.43	73	238806	31.604	ug/L	96
18) trans-1,2-Dichloroethene	5.43	96	153306	27.169	ug/L	98
19) 1,1-Dichloroethane	6.22	63	286916	27.593	ug/L	98
21) 2-Butanone	7.18	43	112186	70.115	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	166951	28.280	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	76396	29.511	ug/L	99
25) Chloroform	7.68	83	285032	27.658	ug/L	99
27) 1,2-Dichloroethane	8.40	62	185120	26.399	ug/L	96
30) Cyclohexane	7.96	56	258941	26.770	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	238397	26.615	ug/L	98
32) Carbon tetrachloride	8.07	117	210333	25.895	ug/L	99
34) Benzene	8.33	78	642285	27.567	ug/L	100
35) Trichloroethene	9.10	95	162303	26.333	ug/L	97
36) Methylcyclohexane	9.34	83	285317	26.979	ug/L	98
40) 1,2-Dichloropropane	9.37	63	163127	28.262	ug/L	100
41) Bromodichloromethane	9.65	83	202906	27.221	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	251021	28.555	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	225212	66.848	ug/L	96
44) Toluene	10.39	91	679889	27.822	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	221903	29.122	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	126061	30.372	ug/L	98
47) Tetrachloroethene	10.87	164	128948	26.954	ug/L	94
49) 2-Hexanone	10.97	43	164213	68.686	ug/L	96
50) Dibromochloromethane	11.13	129	141176	29.379	ug/L	97
51) 1,2-Dibromoethane	11.24	107	118691	29.892	ug/L	99
52) Chlorobenzene	11.66	112	433342	27.675	ug/L	99
53) Ethylbenzene	11.73	91	773657	28.155	ug/L	98
54) m,p-Xylene	11.84	106	290256	28.233	ug/L	98
55) o-xylene	12.17	106	278770	28.797	ug/L	93
56) Styrene	12.18	104	482677	29.320	ug/L	99
57) Isopropylbenzene	12.47	105	762850	28.948	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	160150	32.859	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	117894	32.284	ug/L	99
62) Bromoform	12.35	173	81378	30.426	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	333382	28.650	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	328184	27.789	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	305240	28.879	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	25942	32.608	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	239588	29.282	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	199020	30.623	ug/L	98
69) Naphthalene	15.37	128	428435	34.993	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	180481	31.168	ug/L	99

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

