

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072020\
 Data File : VW015874.D
 Acq On : 20 Jul 2020 13:56
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV05

Quant Time: Jul 21 07:30:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 21 06:59:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	450575	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	411762	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	197853	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	135831	21.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.44%
7) Chloroethane-d5	2.90	69	117496	22.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.00%
10) 1,1-Dichloroethene-d2	4.02	63	286164	22.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.04%
20) 2-Butanone-d5	7.08	46	82516	49.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.82%
24) Chloroform-d	7.65	84	283546	22.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.64%
26) 1,2-Dichloroethane-d4	8.31	65	159003	22.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.56%
29) Benzene-d6	8.27	84	552199	22.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.12%
33) 1,2-Dichloropropane-d6	9.27	67	169820	22.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.40%
37) Toluene-d8	10.32	98	506325	22.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.20%
38) trans-1,3-Dichloropropene-	10.58	79	72588	22.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.64%
39) 2-Hexanone-d5	10.93	63	64549	51.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	138768	24.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	172815	22.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	95112	24.946	ug/L 100
3) Chloromethane	2.21	50	106716	23.143	ug/L 99
5) Vinyl chloride	2.37	62	165344	23.248	ug/L 99
6) Bromomethane	2.79	94	100806	23.758	ug/L 100
8) Chloroethane	2.93	64	101304	24.315	ug/L 99
9) Trichlorofluoromethane	3.26	101	109404	22.885	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	139195	23.819	ug/L 97
12) 1,1-Dichloroethene	4.04	96	136299	23.532	ug/L 97
13) Acetone	4.14	43	65355	46.598	ug/L 99
14) Carbon disulfide	4.38	76	428267	23.412	ug/L 99
15) Methyl Acetate	4.67	43	70368	26.609	ug/L 98
16) Methylene chloride	4.92	84	159148	21.556	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	211500	25.823	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	145732	23.826	ug/L 97
19) 1,1-Dichloroethane	6.22	63	268607	23.831	ug/L 99
21) 2-Butanone	7.18	43	90975	52.455	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	154925	24.210	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	69173	24.651	ug/L	96
25) Chloroform	7.68	83	266426	23.850	ug/L	99
27) 1,2-Dichloroethane	8.40	62	185193	24.364	ug/L	99
30) Cyclohexane	7.96	56	247385	23.827	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	223717	23.268	ug/L	99
32) Carbon tetrachloride	8.07	117	202891	23.271	ug/L	100
34) Benzene	8.32	78	598801	23.944	ug/L	100
35) Trichloroethene	9.09	95	154126	23.297	ug/L	99
36) Methylcyclohexane	9.34	83	271594	23.925	ug/L	98
40) 1,2-Dichloropropane	9.37	63	151161	24.399	ug/L	100
41) Bromodichloromethane	9.65	83	193665	24.205	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	235056	24.911	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	191460	52.945	ug/L	98
44) Toluene	10.39	91	636507	24.267	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	207270	25.342	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	111616	25.053	ug/L	98
47) Tetrachloroethene	10.87	164	118022	22.983	ug/L	96
49) 2-Hexanone	10.97	43	135643	52.858	ug/L	100
50) Dibromochloromethane	11.13	129	125884	24.406	ug/L	98
51) 1,2-Dibromoethane	11.24	107	108450	25.446	ug/L	97
52) Chlorobenzene	11.66	112	402832	23.968	ug/L	100
53) Ethylbenzene	11.73	91	712408	24.154	ug/L	99
54) m,p-Xylene	11.84	106	269962	24.464	ug/L	100
55) o-xylene	12.17	106	258336	24.862	ug/L	98
56) Styrene	12.18	104	442786	25.058	ug/L	100
57) Isopropylbenzene	12.47	105	695102	24.574	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	134445	25.699	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	101520	25.900	ug/L	100
62) Bromoform	12.35	173	72709	24.981	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	304569	24.052	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	306097	23.818	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	275583	23.959	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	22950	26.509	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	221431	24.869	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	181479	25.661	ug/L	99
69) Naphthalene	15.37	128	373462	28.030	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	161639	25.651	ug/L	97

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

