

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042720\
 Data File : VW015353.D
 Acq On : 27 Apr 2020 13:07
 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: Apr 28 08:46:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042720S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 28 08:43:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	339367	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	323839	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	174646	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	86313	23.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.44%
7) Chloroethane-d5	2.89	69	80122	23.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.28%
10) 1,1-Dichloroethene-d2	4.02	63	170234	24.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.56%
20) 2-Butanone-d5	7.08	46	35453	43.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.82%
24) Chloroform-d	7.65	84	151435	24.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.84%
26) 1,2-Dichloroethane-d4	8.31	65	91023	22.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.60%
29) Benzene-d6	8.27	84	339426	23.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.96%
33) 1,2-Dichloropropane-d6	9.27	67	93314	23.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.76%
37) Toluene-d8	10.32	98	363963	23.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.16%
38) trans-1,3-Dichloropropene-	10.57	79	47815	22.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.52%
39) 2-Hexanone-d5	10.92	63	32330	42.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	76494	22.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	140734	23.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.00	85	119517	25.043	ug/L	100
3) Chloromethane	2.21	50	104056	25.705	ug/L	99
5) Vinyl chloride	2.36	62	121748	25.686	ug/L	98
6) Bromomethane	2.78	94	87218	26.181	ug/L	99
8) Chloroethane	2.92	64	75992	25.137	ug/L	100
9) Trichlorofluoromethane	3.26	101	185923	25.811	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	113599	25.570	ug/L	99
12) 1,1-Dichloroethene	4.04	96	104480	26.133	ug/L	99
13) Acetone	4.13	43	44272	61.382	ug/L	99
14) Carbon disulfide	4.39	76	314056	25.309	ug/L	99
15) Methyl Acetate	4.67	43	31798	22.914	ug/L	98
16) Methylene chloride	4.92	84	110909	25.203	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	230116	24.053	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	113146	25.316	ug/L	96
19) 1,1-Dichloroethane	6.22	63	175518	25.622	ug/L	99
21) 2-Butanone	7.17	43	52609	52.580	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	120408	25.705	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	53710	24.719	ug/L	95
25) Chloroform	7.68	83	222275	24.628	ug/L	99
27) 1,2-Dichloroethane	8.40	62	121998	25.007	ug/L	98
30) Cyclohexane	7.95	56	168397	26.103	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	195905	25.970	ug/L	100
32) Carbon tetrachloride	8.07	117	177964	26.410	ug/L	100
34) Benzene	8.32	78	418391	25.810	ug/L	100
35) Trichloroethene	9.09	95	121533	25.841	ug/L	99
36) Methylcyclohexane	9.34	83	208784	26.168	ug/L	99
40) 1,2-Dichloropropane	9.37	63	93362	25.315	ug/L	99
41) Bromodichloromethane	9.64	83	143704	25.150	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	165949	25.158	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	100738	49.585	ug/L	100
44) Toluene	10.38	91	508647	26.246	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	143764	24.709	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	76533	24.253	ug/L	98
47) Tetrachloroethene	10.86	164	116110	26.274	ug/L	95
49) 2-Hexanone	10.96	43	78691	52.764	ug/L	99
50) Dibromochloromethane	11.13	129	102543	24.379	ug/L	94
51) 1,2-Dibromoethane	11.23	107	75708	24.025	ug/L #	94
52) Chlorobenzene	11.66	112	334011	25.620	ug/L	98
53) Ethylbenzene	11.73	91	594203	26.107	ug/L	100
54) m,p-Xylene	11.84	106	239285	26.222	ug/L	91
55) o-xylene	12.16	106	227570	26.314	ug/L	97
56) Styrene	12.18	104	387097	26.308	ug/L	95
57) Isopropylbenzene	12.46	105	625037	26.183	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	83770	24.170	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	62549	23.786	ug/L	99
62) Bromoform	12.35	173	67126	24.809	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	284117	25.118	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	281569	25.217	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	251482	24.849	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	15546	23.102	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	210673	24.964	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	175329	26.074	ug/L	99
69) Naphthalene	15.36	128	283018	24.936	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	148261	25.612	ug/L	99

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

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