

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015131.D
 Acq On : 25 Mar 2020 06:11
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

Quant Time: Mar 25 07:44:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 07:41:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	519669	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	470163	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	197595	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	216876	49.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.26%
7) Chloroethane-d5	1.58	69	222222	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.16%
11) 1,1-Dichloroethene-d2	2.12	63	404901	49.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.76%
21) 2-Butanone-d5	3.94	46	378644	107.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.28%
24) Chloroform-d	4.38	84	421350	51.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.48%
26) 1,2-Dichloroethane-d4	5.06	65	285682	51.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.54%
32) Benzene-d6	5.07	84	792705	52.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.50%
36) 1,2-Dichloropropane-d6	6.09	67	267025	52.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.34%
41) Toluene-d8	7.34	98	687574	52.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.36%
43) trans-1,3-Dichloropropene-	7.64	79	146037	53.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.60%
47) 2-Hexanone-d5	8.11	63	295123	108.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.98%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	404129	52.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.68%
64) 1,2-Dichlorobenzene-d4	11.65	152	244389	52.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	140732	49.923	ug/L	98
3) Chloromethane	1.25	50	264456	50.192	ug/L	98
5) Vinyl chloride	1.32	62	229633	50.519	ug/L	99
6) Bromomethane	1.53	94	169008	50.234	ug/L	97
8) Chloroethane	1.60	64	201198	52.634	ug/L	99
9) Trichlorofluoromethane	1.76	101	267744	50.249	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	128129	49.272	ug/L	99
12) 1,1-Dichloroethene	2.13	96	165047	49.239	ug/L	92
13) Acetone	2.22	43	208978	98.388	ug/L	99
14) Carbon disulfide	2.31	76	448821	50.043	ug/L	99
15) Methyl Acetate	2.46	43	241934	50.677	ug/L	98
16) Methylene chloride	2.52	84	221945	50.728	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	166513	50.118	ug/L	97
18) Methyl tert-butyl Ether	2.79	73	720208	51.333	ug/L	99
19) 1,1-Dichloroethane	3.21	63	346042	50.035	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	209773	50.989	ug/L #	99
22) 2-Butanone	4.02	43	319725	101.991	ug/L #	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	113519	50.069	ug/L	95
25) Chloroform	4.40	83	366203	51.152	ug/L	99
27) 1,2-Dichloroethane	5.16	62	294956	51.089	ug/L	98
29) Cyclohexane	4.70	56	192279	51.035	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	271128	52.094	ug/L	99
31) Carbon tetrachloride	4.85	117	208437	51.304	ug/L	98
33) Benzene	5.13	78	728690	51.253	ug/L	100
34) Trichloroethene	5.94	95	165632	50.732	ug/L	98
35) Methylcyclohexane	6.15	83	190781	50.780	ug/L	99
37) 1,2-Dichloropropane	6.20	63	206897	52.640	ug/L	100
38) Bromodichloromethane	6.53	83	295243	52.366	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	333876	52.793	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	709934	105.206	ug/L	99
42) Toluene	7.41	91	724619	51.144	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	331841	52.446	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	214888	51.968	ug/L	99
46) Tetrachloroethene	8.00	164	101491	50.097	ug/L	95
48) 2-Hexanone	8.16	43	542236	109.122	ug/L	98
49) Dibromochloromethane	8.27	129	237208	51.472	ug/L	99
50) 1,2-Dibromoethane	8.37	107	228137	51.383	ug/L	98
51) Chlorobenzene	8.90	112	464547	49.694	ug/L	100
52) Ethylbenzene	9.03	91	714539	50.116	ug/L	99
53) m,p-Xylene	9.16	106	274231	49.676	ug/L	97
54) o-xylene	9.56	106	297193	50.657	ug/L	99
55) Styrene	9.58	104	529806	51.058	ug/L	98
56) Isopropylbenzene	9.95	105	665307	50.195	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	352280	51.297	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	283514	50.974	ug/L	99
61) Bromoform	9.75	173	166347	53.084	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	317476	51.402	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	316996	50.682	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	341851	50.437	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	98784	53.974	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	194696	50.488	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	192115	48.790	ug/L	97
69) Naphthalene	13.52	128	991240	54.460	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	213762	51.328	ug/L	98

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

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