

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019211.D
 Acq On : 02 Nov 2020 19:46
 Operator : SY/MD
 Sample : VSTD20064
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200306

Quant Time: Nov 03 04:33:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 04:30:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	246497	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	240962	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	135620	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	387398	369.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	738.18%#
7) Chloroethane-d5	1.58	69	298251	369.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	739.68%#
11) 1,1-Dichloroethene-d2	2.12	63	721093	372.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	744.36%#
21) 2-Butanone-d5	3.90	46	486932	564.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	564.28%#
24) Chloroform-d	4.37	84	731809	253.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	506.48%#
26) 1,2-Dichloroethane-d4	5.05	65	504593	269.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	538.36%#
32) Benzene-d6	5.07	84	1355944	234.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	468.88%#
36) 1,2-Dichloropropane-d6	6.09	67	407166	232.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	465.74%#
41) Toluene-d8	7.33	98	1302411	236.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	473.64%#
43) trans-1,3-Dichloropropene-	7.64	79	250490	255.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	510.04%#
47) 2-Hexanone-d5	8.10	63	372129	540.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	540.93%#
56) 1,1,2,2-Tetrachloroethane-	10.23	84	559296	232.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	465.26%#
66) 1,2-Dichlorobenzene-d4	11.65	152	558133	231.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	463.46%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	312134	183.453	ug/L 100
3) Chloromethane	1.25	50	332538	227.838	ug/L 100
5) Vinyl chloride	1.32	62	349020	286.455	ug/L 100
6) Bromomethane	1.53	94	231898	327.475	ug/L 98
8) Chloroethane	1.59	64	222219	334.585	ug/L 100
9) Trichlorofluoromethane	1.76	101	574535	265.382	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	272912	288.706	ug/L 99
12) 1,1-Dichloroethene	2.13	96	281942	314.010	ug/L 95
13) Acetone	2.18	43	318431	441.905	ug/L 100
14) Carbon disulfide	2.31	76	812743	222.316	ug/L 100
15) Methyl Acetate	2.44	43	341051	250.156	ug/L 99
16) Methylene chloride	2.52	84	328808	204.467	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	304546	207.389	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	1121010	225.823	ug/L 99
19) 1,1-Dichloroethane	3.21	63	593251	222.262	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	349219	203.942	ug/L 98
22) 2-Butanone	3.98	43	481720	458.781	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	186972	216.041	ug/L	98
25) Chloroform	4.40	83	639062	212.570	ug/L	100
27) 1,2-Dichloroethane	5.15	62	553157	239.570	ug/L	99
29) Cyclohexane	4.70	56	461002	198.410	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	590607	215.624	ug/L	99
31) Carbon tetrachloride	4.85	117	520201	213.826	ug/L	98
33) Benzene	5.12	78	1282027	204.562	ug/L	100
34) Trichloroethene	5.94	95	337611	197.339	ug/L	98
35) Methylcyclohexane	6.15	83	437046	169.461	ug/L	99
37) 1,2-Dichloropropane	6.20	63	337499	218.668	ug/L	99
38) Bromodichloromethane	6.53	83	504221	211.196	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	591525	219.912	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	981103	494.250	ug/L	99
42) Toluene	7.41	91	1418540	206.082	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	607425	236.840	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	336029	205.179	ug/L	98
46) Tetrachloroethene	8.00	164	279878	203.348	ug/L	99
48) 2-Hexanone	8.16	43	755577	492.456	ug/L	99
49) Dibromochloromethane	8.27	129	424820	214.755	ug/L	98
50) 1,2-Dibromoethane	8.37	107	357594	199.853	ug/L	97
51) Chlorobenzene	8.90	112	922997	199.417	ug/L	100
52) Ethylbenzene	9.03	91	1585994	201.528	ug/L	99
53) m,p-Xylene	9.16	106	599306	197.201	ug/L	98
54) o-Xylene	9.56	106	589523	201.346	ug/L	97
55) Styrene	9.58	104	1064246	211.558	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.26	83	520091	201.599	ug/L	99
59) Bromoform	9.75	173	334874	216.471	ug/L	99
60) Isopropylbenzene	9.95	105	1553698	184.072	ug/L	100
61) 1,2,3-Trichloropropane	10.29	75	433266	192.739	ug/L	99
62) 1,3,5-Trimethylbenzene	10.56	105	1336817	185.543	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	1307966	185.924	ug/L	100
64) 1,3-Dichlorobenzene	11.20	146	791194	192.635	ug/L	100
65) 1,4-Dichlorobenzene	11.29	146	808232	191.252	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	801903	197.150	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.45	75	141128	208.196	ug/L	94
69) 1,3,5-Trichlorobenzene	12.67	180	575635	194.444	ug/L	99
70) 1,2,4-trichlorobenzene	13.28	180	570499	211.872	ug/L	100
71) Naphthalene	13.52	128	1777753	218.667	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	560106	211.650	ug/L	99

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

