

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
 Data File : VY000687.D
 Acq On : 14 Nov 2019 21:56
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5ML/MSVOA Y/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD02591

Quant Time: Nov 15 10:16:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOMYLM111419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 15 10:12:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	374888	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	343955	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	165987	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	132797	45.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.18%
7) Chloroethane-d5	2.76	69	117051	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.42%
11) 1,1-Dichloroethene-d2	3.85	63	238567	46.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.10%
21) 2-Butanone-d5	6.91	46	129882	111.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.81%
24) Chloroform-d	7.49	84	234549	55.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.54%
26) 1,2-Dichloroethane-d4	8.16	65	151680	50.66	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.32%
32) Benzene-d6	8.12	84	472260	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	9.13	67	154172	51.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.90%
41) Toluene-d8	10.18	98	429246	48.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.38%
43) trans-1,3-Dichloropropene-	10.44	79	77951	52.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.00%
47) 2-Hexanone-d5	10.79	63	99508	113.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.74%
57) 1,1,2,2-Tetrachloroethane-	12.56	84	187590	53.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.18%
64) 1,2-Dichlorobenzene-d4	13.72	152	160241	49.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	91804	42.884	ug/L 97
3) Chloromethane	2.12	50	142688	50.118	ug/L 99
5) Vinyl chloride	2.25	62	137982	48.336	ug/L 99
6) Bromomethane	2.66	94	83731	51.021	ug/L 98
8) Chloroethane	2.80	64	90795	50.677	ug/L 99
9) Trichlorofluoromethane	3.13	101	189422	44.947	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	94386	40.133	ug/L 99
12) 1,1-Dichloroethene	3.87	96	109608	46.579	ug/L # 80
13) Acetone	3.96	43	88295	105.575	ug/L 97
14) Carbon disulfide	4.19	76	303309	46.729	ug/L 99
15) Methyl Acetate	4.49	43	105017	49.963	ug/L 100
16) Methylene chloride	4.72	84	128481	51.065	ug/L 97
17) trans-1,2-Dichloroethene	5.22	96	118274	48.134	ug/L 97
18) Methyl tert-butyl Ether	5.24	73	390776	52.832	ug/L 99
19) 1,1-Dichloroethane	6.03	63	225134	50.973	ug/L 95
20) cis-1,2-Dichloroethene	7.00	96	135133	49.066	ug/L 92
22) 2-Butanone	7.00	43	138644	105.355	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	64879	51.101	ug/L	94
25) Chloroform	7.52	83	233020	46.080	ug/L	98
27) 1,2-Dichloroethane	8.25	62	179948	52.111	ug/L	100
29) Cyclohexane	7.79	56	161628	40.259	ug/L	99
30) 1,1,1-Trichloroethane	7.71	97	189876	50.537	ug/L	97
31) Carbon tetrachloride	7.91	117	158660	47.165	ug/L	99
33) Benzene	8.17	78	515714	50.334	ug/L	100
34) Trichloroethene	8.94	95	124761	48.495	ug/L	98
35) Methylcyclohexane	9.19	83	166166	39.125	ug/L	98
37) 1,2-Dichloropropane	9.22	63	134541	52.937	ug/L	99
38) Bromodichloromethane	9.50	83	180126	52.757	ug/L	91
39) cis-1,3-Dichloropropene	9.93	75	220979	51.171	ug/L	100
40) 4-Methyl-2-pentanone	10.08	43	313516	107.530	ug/L	99
42) Toluene	10.25	91	540626	49.850	ug/L	98
44) trans-1,3-Dichloropropene	10.47	75	199936	52.876	ug/L	98
45) 1,1,2-Trichloroethane	10.64	97	124281	51.540	ug/L	97
46) Tetrachloroethene	10.72	164	90807	45.619	ug/L	95
48) 2-Hexanone	10.83	43	225918	107.321	ug/L	99
49) Dibromochloromethane	10.99	129	139231	53.307	ug/L	96
50) 1,2-Dibromoethane	11.09	107	127824	52.964	ug/L	98
51) Chlorobenzene	11.52	112	344382	49.288	ug/L	99
52) Ethylbenzene	11.59	91	588294	47.533	ug/L	100
53) m,p-Xylene	11.70	106	226559	47.592	ug/L	99
54) o-xylene	12.03	106	228237	48.905	ug/L	96
55) Styrene	12.04	104	391643	49.389	ug/L	100
56) Isopropylbenzene	12.33	105	554380	46.411	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	182407	53.477	ug/L	98
59) 1,2,3-Trichloropropane	12.63	75	140878	52.201	ug/L	99
61) Bromoform	12.20	173	91180	54.258	ug/L	95
62) 1,3-Dichlorobenzene	13.36	146	258634	49.683	ug/L	99
63) 1,4-Dichlorobenzene	13.44	146	264151	49.530	ug/L	97
65) 1,2-Dichlorobenzene	13.73	146	262496	51.192	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.36	75	33087	53.416	ug/L	94
67) 1,3,5-Trichlorobenzene	14.50	180	174809	48.117	ug/L	97
68) 1,2,4-trichlorobenzene	15.00	180	171983	50.461	ug/L	100
69) Naphthalene	15.23	128	535962	52.628	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	170434	51.958	ug/L	100

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

