

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070820\
 Data File : VV017386.D
 Acq On : 08 Jul 2020 10:01
 Operator : SY/MD
 Sample : VSTD00564
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Manual Integrations
 APPROVED

SAM
 7/9/2020 5:38:18 PM

Quant Time: Jul 09 01:22:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 09 01:14:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	306286	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	290860	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	151900	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	7962	3.93	ug/L	0.00
7) Chloroethane-d5	1.58	69	6148	4.95	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	17529	4.84	ug/L	0.00
21) 2-Butanone-d5	3.93	46	9523m	6.44	ug/L	0.03
24) Chloroform-d	4.38	84	18555	4.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	11937	4.12	ug/L	0.00
32) Benzene-d6	5.08	84	30112	3.80	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	8756	3.60	ug/L	0.00
41) Toluene-d8	7.34	98	27938	3.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	4665	3.58	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	5734	5.48	ug/L	0.01
57) 1,1,2,2-Tetrachloroethane-	10.24	84	12562	3.88	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	12589	4.07	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	17485	6.773 ug/L	96
3) Chloromethane	1.25	50	12343	5.563 ug/L	100
5) Vinyl chloride	1.32	62	11848	5.432 ug/L	96
6) Bromomethane	1.53	94	6399	6.678 ug/L	91
8) Chloroethane	1.60	64	6613	6.119 ug/L	95
9) Trichlorofluoromethane	1.77	101	22493	6.497 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	10468	6.160 ug/L	98
12) 1,1-Dichloroethene	2.14	96	9805	6.258 ug/L #	72
13) Acetone	2.20	43	17329	15.246 ug/L	96
14) Carbon disulfide	2.31	76	28569	5.204 ug/L	97
15) Methyl Acetate	2.46	43	9955	4.397 ug/L	96
16) Methylene chloride	2.52	84	11437	5.222 ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	10647	5.186 ug/L	93
18) Methyl tert-butyl Ether	2.78	73	32795	4.838 ug/L	98
19) 1,1-Dichloroethane	3.21	63	18942	4.953 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	10661	4.791 ug/L	97
22) 2-Butanone	4.01	43	13392m	8.413 ug/L	
23) Bromochloromethane	4.27	128	6039m	5.096 ug/L	
25) Chloroform	4.41	83	20835	5.203 ug/L	100
27) 1,2-Dichloroethane	5.16	62	18368	5.415 ug/L	100
29) Cyclohexane	4.70	56	14839	4.259 ug/L #	90
30) 1,1,1-Trichloroethane	4.64	97	19902m	5.303 ug/L	
31) Carbon tetrachloride	4.86	117	18510	5.646 ug/L #	48
33) Benzene	5.13	78	38096	4.542 ug/L	100
34) Trichloroethene	5.94	95	12821	5.608 ug/L	84
35) Methylcyclohexane	6.16	83	16844	4.720 ug/L	98
37) 1,2-Dichloropropane	6.20	63	9317	4.324 ug/L #	91
38) Bromodichloromethane	6.53	83	15324	5.162 ug/L	94
39) cis-1,3-Dichloropropene	7.05	75	15097	4.424 ug/L	95
40) 4-Methyl-2-pentanone	7.25	43	24585	8.135 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070820\
 Data File : VV017386.D
 Acq On : 08 Jul 2020 10:01
 Operator : SY/MD
 Sample : VSTD00564
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Manual Integrations
 APPROVED

SAM
 7/9/2020 5:38:18 PM

Quant Time: Jul 09 01:22:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 09 01:14:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	42874	4.797	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	15010	4.486	ug/L	95
45) 1,1,2-Trichloroethane	7.86	97	11072	5.232	ug/L	93
46) Tetrachloroethene	8.00	164	10106	5.547	ug/L	87
48) 2-Hexanone	8.16	43	19452	8.188	ug/L	99
49) Dibromochloromethane	8.27	129	12579	5.389	ug/L	95
50) 1,2-Dibromoethane	8.37	107	10576	4.735	ug/L #	98
51) Chlorobenzene	8.90	112	30396	5.179	ug/L	97
52) Ethylbenzene	9.04	91	47924	4.828	ug/L	97
53) m,p-Xylene	9.16	106	16430	4.434	ug/L	98
54) o-xylene	9.57	106	16309	4.466	ug/L	94
55) Styrene	9.58	104	27892	4.505	ug/L	97
56) Isopropylbenzene	9.95	105	45826	4.653	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	14781	4.587	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	13548	4.980	ug/L	99
61) Bromoform	9.75	173	8981	5.625	ug/L #	96
62) 1,3-Dichlorobenzene	11.20	146	24287	5.092	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	25821	5.340	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	24469	5.146	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	3336	4.410	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	16900	4.718	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	14216	4.368	ug/L	95
69) Naphthalene	13.53	128	33364	3.583	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	14148	4.398	ug/L	96

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

