

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
 Data File : VY000681.D
 Acq On : 14 Nov 2019 19:20
 Operator : SY/MD
 Sample : MDL2
 Misc : 5ML/MSVOA Y/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:05:00 PM

Quant Time: Nov 15 13:56:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOMYLM111419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 15 10:16:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	317485	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	277237	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	129097	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	122240	49.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.04%
7) Chloroethane-d5	2.76	69	110860	53.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.84%
11) 1,1-Dichloroethene-d2	3.85	63	174650	40.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.48%
21) 2-Butanone-d5	6.91	46	119344	121.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.31%
24) Chloroform-d	7.49	84	209443	58.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.54%
26) 1,2-Dichloroethane-d4	8.15	65	137947	54.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.80%
32) Benzene-d6	8.11	84	438443	56.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.10%
36) 1,2-Dichloropropane-d6	9.13	67	139832	58.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	116.92%
41) Toluene-d8	10.18	98	388001	54.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.08%
43) trans-1,3-Dichloropropene-	10.44	79	66730	55.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.50%
47) 2-Hexanone-d5	10.79	63	83498	118.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.40%
57) 1,1,2,2-Tetrachloroethane-	12.56	84	152321	53.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.96%
64) 1,2-Dichlorobenzene-d4	13.72	152	144653	57.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.82%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	3293	1.816 ug/L	97
3) Chloromethane	2.11	50	6944	2.880 ug/L #	81
5) Vinyl chloride	2.25	62	6591	2.726 ug/L #	80
6) Bromomethane	2.65	94	3617	2.602 ug/L	94
8) Chloroethane	2.79	64	3863	2.546 ug/L	96
9) Trichlorofluoromethane	3.13	101	8292	2.323 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.89	101	5750m	2.887 ug/L	
12) 1,1-Dichloroethene	3.86	96	6232m	3.127 ug/L	
13) Acetone	3.94	43	5003m	7.064 ug/L	
14) Carbon disulfide	4.19	76	13849	2.519 ug/L	96
15) Methyl Acetate	4.49	43	4994	2.806 ug/L	97
16) Methylene chloride	4.72	84	6009	2.820 ug/L	94
17) trans-1,2-Dichloroethene	5.22	96	5140m	2.470 ug/L	
18) Methyl tert-butyl Ether	5.23	73	16830	2.687 ug/L #	85
19) 1,1-Dichloroethane	6.02	63	9795	2.619 ug/L	95
20) cis-1,2-Dichloroethene	6.99	96	6068m	2.602 ug/L	
22) 2-Butanone	7.01	43	7171m	6.434 ug/L	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
 Data File : VY000681.D
 Acq On : 14 Nov 2019 19:20
 Operator : SY/MD
 Sample : MDL2
 Misc : 5ML/MSVOA Y/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:05:00 PM

Quant Time: Nov 15 13:56:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOMYLM111419WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 15 10:16:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.35	128	3350	3.116	ug/L #	60
25) Chloroform	7.52	83	15386	3.593	ug/L	99
27) 1,2-Dichloroethane	8.25	62	8085	2.765	ug/L #	92
29) Cyclohexane	7.79	56	5991	1.851	ug/L #	82
30) 1,1,1-Trichloroethane	7.70	97	7555m	2.495	ug/L	
31) Carbon tetrachloride	7.91	117	5815	2.145	ug/L	99
33) Benzene	8.17	78	21181	2.565	ug/L	100
34) Trichloroethene	8.94	95	5303	2.557	ug/L	87
35) Methylcyclohexane	9.19	83	6140	1.794	ug/L #	74
37) 1,2-Dichloropropane	9.23	63	5507	2.688	ug/L	99
38) Bromodichloromethane	9.50	83	7612	2.766	ug/L #	97
39) cis-1,3-Dichloropropene	9.93	75	8578m	2.464	ug/L	
40) 4-Methyl-2-pentanone	10.07	43	12039	5.123	ug/L	99
42) Toluene	10.25	91	21244	2.430	ug/L	100
44) trans-1,3-Dichloropropene	10.46	75	10606	3.480	ug/L	97
45) 1,1,2-Trichloroethane	10.64	97	4819	2.479	ug/L #	71
46) Tetrachloroethene	10.71	164	3914	2.439	ug/L #	79
48) 2-Hexanone	10.83	43	10130	5.970	ug/L #	95
49) Dibromochloromethane	10.98	129	5006	2.378	ug/L	93
50) 1,2-Dibromoethane	11.09	107	5145	2.645	ug/L #	93
51) Chlorobenzene	11.51	112	13905	2.469	ug/L	95
52) Ethylbenzene	11.59	91	21797	2.185	ug/L	95
53) m,p-Xylene	11.70	106	8318	2.168	ug/L	87
54) o-xylene	12.03	106	8356	2.221	ug/L	93
55) Styrene	12.04	104	13892	2.173	ug/L	95
56) Isopropylbenzene	12.33	105	19472	2.022	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	7672	2.791	ug/L #	96
59) 1,2,3-Trichloropropane	12.63	75	5897	2.711	ug/L	95
61) Bromoform	12.20	173	3153	2.412	ug/L #	85
62) 1,3-Dichlorobenzene	13.36	146	10511	2.596	ug/L	96
63) 1,4-Dichlorobenzene	13.44	146	10736	2.588	ug/L	99
65) 1,2-Dichlorobenzene	13.73	146	10706	2.685	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.35	75	1565	3.249	ug/L	91
67) 1,3,5-Trichlorobenzene	14.50	180	6988	2.473	ug/L	98
68) 1,2,4-trichlorobenzene	15.01	180	6880	2.595	ug/L	96
69) Naphthalene	15.23	128	19789	2.498	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	7156	2.805	ug/L	96

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
Data File : VY000681.D
Acq On : 14 Nov 2019 19:20
Operator : SY/MD
Sample : MDL2
Misc : 5ML/MSVOA Y/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL2

Manual Integrations
APPROVED

MMDadoda
11/15/2019 3:05:00 PM

Quant Time: Nov 15 13:56:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\SOMYLM111419WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 15 10:16:24 2019
Response via : Initial Calibration

