

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
 Data File : VY000685.D
 Acq On : 14 Nov 2019 20:49
 Operator : SY/MD
 Sample : MDL6
 Misc : 5ML/MSVOA Y/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL6

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:05:21 PM

Quant Time: Nov 15 11:47:54 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	8.70	114	307673	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	271578	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	124222	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	115563	47.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.64%
7) Chloroethane-d5	2.76	69	101130	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.52%
11) 1,1-Dichloroethene-d2	3.85	63	161735	38.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.92%
21) 2-Butanone-d5	6.91	46	114380	119.98	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.98%
24) Chloroform-d	7.49	84	194706	55.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.80%
26) 1,2-Dichloroethane-d4	8.15	65	131673	53.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.18%
32) Benzene-d6	8.12	84	413384	54.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.86%
36) 1,2-Dichloropropane-d6	9.13	67	128696	54.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.84%
41) Toluene-d8	10.18	98	358439	50.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.94%
43) trans-1,3-Dichloropropene-	10.44	79	64348	54.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.76%
47) 2-Hexanone-d5	10.79	63	81285	117.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.67%
57) 1,1,2,2-Tetrachloroethane-	12.56	84	145823	52.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.52%
64) 1,2-Dichlorobenzene-d4	13.72	152	129641	53.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	2814	1.602 ug/L	99
3) Chloromethane	2.12	50	5217	2.233 ug/L	91
5) Vinyl chloride	2.25	62	5323	2.272 ug/L #	40
6) Bromomethane	2.65	94	3391	2.518 ug/L #	55
8) Chloroethane	2.80	64	3432	2.334 ug/L	86
9) Trichlorofluoromethane	3.13	101	6445m	1.863 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	4974m	2.577 ug/L	
12) 1,1-Dichloroethene	3.86	96	5434	2.814 ug/L #	1
13) Acetone	3.96	43	3252m	4.738 ug/L	
14) Carbon disulfide	4.19	76	11162	2.095 ug/L #	95
15) Methyl Acetate	4.49	43	3827m	2.219 ug/L	
16) Methylene chloride	4.71	84	5177m	2.507 ug/L	
17) trans-1,2-Dichloroethene	5.22	96	4370m	2.167 ug/L	
18) Methyl tert-butyl Ether	5.22	73	12721m	2.096 ug/L	
19) 1,1-Dichloroethane	6.03	63	7863m	2.169 ug/L	
20) cis-1,2-Dichloroethene	7.00	96	5001	2.213 ug/L	79
22) 2-Butanone	7.00	43	5398m	4.998 ug/L	

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

23) Bromochloromethane	7.34	128	2264m	2.173	ug/L	
25) Chloroform	7.51	83	12429	2.995	ug/L	92
27) 1,2-Dichloroethane	8.25	62	6648	2.346	ug/L	97
29) Cyclohexane	7.80	56	5050	1.593	ug/L #	89
30) 1,1,1-Trichloroethane	7.71	97	6049	2.039	ug/L	97
31) Carbon tetrachloride	7.91	117	4324m	1.628	ug/L	
33) Benzene	8.17	78	18202	2.250	ug/L	100
34) Trichloroethene	8.95	95	4415	2.173	ug/L	82
35) Methylcyclohexane	9.18	83	4848	1.446	ug/L	96
37) 1,2-Dichloropropane	9.22	63	4645	2.315	ug/L #	94
38) Bromodichloromethane	9.50	83	5626	2.087	ug/L #	85
39) cis-1,3-Dichloropropene	9.93	75	6915	2.028	ug/L	88
40) 4-Methyl-2-pentanone	10.08	43	9624	4.181	ug/L	97
42) Toluene	10.24	91	16936	1.978	ug/L	98
44) trans-1,3-Dichloropropene	10.46	75	6565	2.199	ug/L	90
45) 1,1,2-Trichloroethane	10.64	97	3761	1.975	ug/L #	82
46) Tetrachloroethene	10.71	164	2947m	1.875	ug/L	
48) 2-Hexanone	10.83	43	9210	5.541	ug/L	97
49) Dibromochloromethane	10.99	129	4251	2.061	ug/L	88
50) 1,2-Dibromoethane	11.10	107	4010	2.104	ug/L #	92
51) Chlorobenzene	11.52	112	11463	2.078	ug/L	92
52) Ethylbenzene	11.60	91	17636	1.805	ug/L	97
53) m,p-Xylene	11.70	106	6655	1.771	ug/L	97
54) o-xylene	12.03	106	6562	1.781	ug/L	91
55) Styrene	12.04	104	11320	1.808	ug/L	94
56) Isopropylbenzene	12.33	105	14922	1.582	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	6412	2.381	ug/L #	90
59) 1,2,3-Trichloropropane	12.63	75	4884	2.292	ug/L	97
61) Bromoform	12.20	173	2603	2.070	ug/L #	89
62) 1,3-Dichlorobenzene	13.36	146	7546	1.937	ug/L	89
63) 1,4-Dichlorobenzene	13.44	146	8740	2.190	ug/L	97
65) 1,2-Dichlorobenzene	13.73	146	8126	2.118	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.35	75	1030	2.222	ug/L #	63
67) 1,3,5-Trichlorobenzene	14.50	180	4991	1.836	ug/L	93
68) 1,2,4-trichlorobenzene	15.00	180	5236	2.053	ug/L	98
69) Naphthalene	15.23	128	15150	1.988	ug/L	97
70) 1,2,3-Trichlorobenzene	15.42	180	5120	2.086	ug/L	97

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

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