

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
 Data File : VY000680.D
 Acq On : 14 Nov 2019 18:58
 Operator : SY/MD
 Sample : MDL1
 Misc : 5ML/MSVOA Y/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL1

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:04:54 PM

Quant Time: Nov 15 10:29:14 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	296384	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	270824	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	124315	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	110293	47.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.74%
7) Chloroethane-d5	2.76	69	96310	50.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.36%
11) 1,1-Dichloroethene-d2	3.85	63	154706	38.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.38%
21) 2-Butanone-d5	6.91	46	103964	113.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.20%
24) Chloroform-d	7.49	84	167624	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.92%
26) 1,2-Dichloroethane-d4	8.15	65	123130	52.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.04%
32) Benzene-d6	8.11	84	392756	51.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.72%
36) 1,2-Dichloropropane-d6	9.13	67	123919	53.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.06%
41) Toluene-d8	10.18	98	341278	48.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.32%
43) trans-1,3-Dichloropropene-	10.44	79	59718	51.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.16%
47) 2-Hexanone-d5	10.79	63	69574	101.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.00%
57) 1,1,2,2-Tetrachloroethane-	12.56	84	136701	49.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.18%
64) 1,2-Dichlorobenzene-d4	13.72	152	124387	51.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	2795	1.651 ug/L #	72
3) Chloromethane	2.12	50	5682	2.524 ug/L	90
5) Vinyl chloride	2.24	62	6015	2.665 ug/L #	55
6) Bromomethane	2.65	94	3020m	2.328 ug/L	
8) Chloroethane	2.79	64	3439	2.428 ug/L	96
9) Trichlorofluoromethane	3.13	101	6588m	1.977 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	5068m	2.726 ug/L	
12) 1,1-Dichloroethene	3.87	96	5583	3.001 ug/L #	1
13) Acetone	3.96	43	3787	5.728 ug/L	67
14) Carbon disulfide	4.19	76	13443	2.620 ug/L	99
15) Methyl Acetate	4.48	43	3925m	2.362 ug/L	
16) Methylene chloride	4.71	84	5383m	2.706 ug/L	
17) trans-1,2-Dichloroethene	5.21	96	4645	2.391 ug/L	91
18) Methyl tert-butyl Ether	5.23	73	12479m	2.134 ug/L	
19) 1,1-Dichloroethane	6.02	63	7865	2.252 ug/L #	92
20) cis-1,2-Dichloroethene	7.00	96	5726	2.630 ug/L	90
22) 2-Butanone	7.01	43	5245	5.041 ug/L	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	2199	2.191	ug/L #	73
25) Chloroform	7.52	83	28873	7.222	ug/L	87
27) 1,2-Dichloroethane	8.24	62	5946	2.178	ug/L #	93
29) Cyclohexane	7.78	56	5159	1.632	ug/L #	27
30) 1,1,1-Trichloroethane	7.71	97	6573	2.222	ug/L	94
31) Carbon tetrachloride	7.91	117	5089	1.921	ug/L	94
33) Benzene	8.16	78	18699	2.318	ug/L	100
34) Trichloroethene	8.94	95	4521	2.232	ug/L	85
35) Methylcyclohexane	9.18	83	5663	1.693	ug/L	93
37) 1,2-Dichloropropane	9.22	63	4381	2.189	ug/L #	94
38) Bromodichloromethane	9.50	83	6174	2.297	ug/L #	97
39) cis-1,3-Dichloropropene	9.93	75	6688	1.967	ug/L	97
40) 4-Methyl-2-pentanone	10.08	43	9397	4.093	ug/L #	95
42) Toluene	10.25	91	18808	2.203	ug/L	96
44) trans-1,3-Dichloropropene	10.46	75	7645	2.568	ug/L	87
45) 1,1,2-Trichloroethane	10.65	97	4902	2.582	ug/L	94
46) Tetrachloroethene	10.72	164	3306	2.109	ug/L	83
48) 2-Hexanone	10.83	43	8086	4.878	ug/L #	90
49) Dibromochloromethane	10.99	129	4544	2.210	ug/L	98
50) 1,2-Dibromoethane	11.09	107	4487	2.361	ug/L #	90
51) Chlorobenzene	11.51	112	11029	2.005	ug/L	100
52) Ethylbenzene	11.59	91	19016	1.951	ug/L	89
53) m,p-Xylene	11.70	106	8225	2.194	ug/L	75
54) o-xylene	12.02	106	6828	1.858	ug/L	95
55) Styrene	12.04	104	11653	1.866	ug/L	92
56) Isopropylbenzene	12.33	105	16436	1.748	ug/L #	91
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	6849	2.550	ug/L #	90
59) 1,2,3-Trichloropropane	12.63	75	4391	2.066	ug/L	91
61) Bromoform	12.21	173	3054	2.427	ug/L #	92
62) 1,3-Dichlorobenzene	13.36	146	9425	2.417	ug/L	96
63) 1,4-Dichlorobenzene	13.44	146	9339	2.338	ug/L	94
65) 1,2-Dichlorobenzene	13.74	146	9704	2.527	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.35	75	1252	2.699	ug/L #	46
67) 1,3,5-Trichlorobenzene	14.50	180	6051	2.224	ug/L	97
68) 1,2,4-trichlorobenzene	15.01	180	6384	2.501	ug/L	91
69) Naphthalene	15.23	128	16108	2.112	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	5878	2.393	ug/L	95

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

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