

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
 Data File : VY000686.D
 Acq On : 14 Nov 2019 21:11
 Operator : SY/MD
 Sample : MDL7
 Misc : 5ML/MSVOA Y/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL7

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:05:26 PM

Quant Time: Nov 15 10:44:39 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	306581	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	274076	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	121949	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	112916	46.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.78%
7) Chloroethane-d5	2.76	69	104082	52.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.84%
11) 1,1-Dichloroethene-d2	3.85	63	154127	36.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.56%
21) 2-Butanone-d5	6.91	46	120251	126.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	126.58%
24) Chloroform-d	7.49	84	195140	56.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.44%
26) 1,2-Dichloroethane-d4	8.15	65	132093	53.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.90%
32) Benzene-d6	8.12	84	401407	52.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.74%
36) 1,2-Dichloropropane-d6	9.13	67	130031	54.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.98%
41) Toluene-d8	10.18	98	343037	48.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.66%
43) trans-1,3-Dichloropropene-	10.44	79	64256	54.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.62%
47) 2-Hexanone-d5	10.79	63	82815	118.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.79%
57) 1,1,2,2-Tetrachloroethane-	12.56	84	146327	52.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.92%
64) 1,2-Dichlorobenzene-d4	13.72	152	122349	51.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.90	85	2990m	1.708	ug/L	
3) Chloromethane	2.11	50	5387	2.314	ug/L	# 81
5) Vinyl chloride	2.26	62	5573	2.387	ug/L	85
6) Bromomethane	2.66	94	3233	2.409	ug/L	93
8) Chloroethane	2.80	64	3450	2.355	ug/L	100
9) Trichlorofluoromethane	3.13	101	6856	1.989	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.89	101	4587m	2.385	ug/L	
12) 1,1-Dichloroethene	3.87	96	5122	2.662	ug/L	# 1
13) Acetone	3.96	43	4597	6.721	ug/L	90
14) Carbon disulfide	4.19	76	10415	1.962	ug/L	# 86
15) Methyl Acetate	4.49	43	4414m	2.568	ug/L	
16) Methylene chloride	4.72	84	5808m	2.823	ug/L	
17) trans-1,2-Dichloroethene	5.22	96	4358m	2.169	ug/L	
18) Methyl tert-butyl Ether	5.22	73	14792	2.445	ug/L	# 77
19) 1,1-Dichloroethane	6.02	63	8711m	2.412	ug/L	
20) cis-1,2-Dichloroethene	6.99	96	5532	2.456	ug/L	88
22) 2-Butanone	7.00	43	5836	5.423	ug/L	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	2632	2.535	ug/L	93
25) Chloroform	7.52	83	12711	3.074	ug/L	96
27) 1,2-Dichloroethane	8.25	62	6717	2.379	ug/L #	94
29) Cyclohexane	7.78	56	4837	1.512	ug/L #	78
30) 1,1,1-Trichloroethane	7.71	97	6551	2.188	ug/L #	85
31) Carbon tetrachloride	7.91	117	4842	1.806	ug/L	85
33) Benzene	8.17	78	16893	2.069	ug/L	100
34) Trichloroethene	8.95	95	4320	2.107	ug/L	86
35) Methylcyclohexane	9.19	83	4958	1.465	ug/L	98
37) 1,2-Dichloropropane	9.22	63	4754	2.347	ug/L #	95
38) Bromodichloromethane	9.50	83	6416	2.358	ug/L	92
39) cis-1,3-Dichloropropene	9.93	75	8131	2.363	ug/L	95
40) 4-Methyl-2-pentanone	10.08	43	10915	4.698	ug/L	99
42) Toluene	10.24	91	18574	2.149	ug/L	96
44) trans-1,3-Dichloropropene	10.46	75	10357	3.437	ug/L	85
45) 1,1,2-Trichloroethane	10.64	97	4576	2.382	ug/L	93
46) Tetrachloroethene	10.72	164	2635	1.661	ug/L #	74
48) 2-Hexanone	10.83	43	9922	5.915	ug/L #	93
49) Dibromochloromethane	10.99	129	4582	2.202	ug/L	94
50) 1,2-Dibromoethane	11.09	107	4654	2.420	ug/L #	89
51) Chlorobenzene	11.52	112	11964	2.149	ug/L	96
52) Ethylbenzene	11.59	91	18020	1.827	ug/L	95
53) m,p-Xylene	11.70	106	7479	1.972	ug/L	65
54) o-xylene	12.03	106	7658	2.059	ug/L	86
55) Styrene	12.04	104	11447	1.812	ug/L	97
56) Isopropylbenzene	12.33	105	15753	1.655	ug/L	95
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	7519	2.766	ug/L #	92
59) 1,2,3-Trichloropropane	12.64	75	5478	2.547	ug/L	100
61) Bromoform	12.20	173	2641	2.139	ug/L #	77
62) 1,3-Dichlorobenzene	13.36	146	7838	2.049	ug/L	85
63) 1,4-Dichlorobenzene	13.45	146	9866	2.518	ug/L #	79
65) 1,2-Dichlorobenzene	13.73	146	8641	2.294	ug/L #	80
66) 1,2-Dibromo-3-chloropropan	14.36	75	1139	2.503	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.50	180	5570	2.087	ug/L	97
68) 1,2,4-trichlorobenzene	15.01	180	5735	2.290	ug/L	97
69) Naphthalene	15.23	128	16426	2.195	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	5362	2.225	ug/L	89

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

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