

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
 Data File : VY000684.D
 Acq On : 14 Nov 2019 20:27
 Operator : SY/MD
 Sample : MDL5
 Misc : 5ML/MSVOA Y/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL5

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:05:16 PM

Quant Time: Nov 15 10:41:12 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	296015	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	266127	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	121825	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	121187	52.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.24%
7) Chloroethane-d5	2.76	69	105312	54.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.88%
11) 1,1-Dichloroethene-d2	3.85	63	167292	41.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.68%
21) 2-Butanone-d5	6.91	46	113949	124.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	124.23%
24) Chloroform-d	7.49	84	198246	59.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	118.32%
26) 1,2-Dichloroethane-d4	8.15	65	130105	55.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.06%
32) Benzene-d6	8.12	84	423042	56.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.68%
36) 1,2-Dichloropropane-d6	9.13	67	131437	57.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.48%
41) Toluene-d8	10.18	98	368841	53.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.04%
43) trans-1,3-Dichloropropene-	10.44	79	63770	55.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.00%
47) 2-Hexanone-d5	10.79	63	78770	116.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.36%
57) 1,1,2,2-Tetrachloroethane-	12.56	84	145465	53.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.42%
64) 1,2-Dichlorobenzene-d4	13.72	152	132124	56.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	3568	2.111 ug/L	96
3) Chloromethane	2.11	50	5563	2.475 ug/L	95
5) Vinyl chloride	2.25	62	5496	2.438 ug/L #	63
6) Bromomethane	2.66	94	3296	2.544 ug/L	74
8) Chloroethane	2.79	64	3328m	2.352 ug/L	
9) Trichlorofluoromethane	3.13	101	7442	2.236 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	5297m	2.852 ug/L	
12) 1,1-Dichloroethene	3.87	96	5740m	3.089 ug/L	
13) Acetone	3.96	43	4422m	6.696 ug/L	
14) Carbon disulfide	4.19	76	12349	2.409 ug/L	95
15) Methyl Acetate	4.48	43	3954	2.382 ug/L #	78
16) Methylene chloride	4.72	84	5486	2.761 ug/L	96
17) trans-1,2-Dichloroethene	5.23	96	4440m	2.288 ug/L	
18) Methyl tert-butyl Ether	5.23	73	12836	2.198 ug/L #	70
19) 1,1-Dichloroethane	6.03	63	8339	2.391 ug/L	98
20) cis-1,2-Dichloroethene	6.99	96	4648	2.137 ug/L	92
22) 2-Butanone	7.01	43	4508	4.338 ug/L	97

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

23) Bromochloromethane	7.34	128	2573	2.567	ug/L #	82
25) Chloroform	7.52	83	12274	3.074	ug/L	99
27) 1,2-Dichloroethane	8.24	62	6268	2.299	ug/L	98
29) Cyclohexane	7.79	56	5715	1.840	ug/L #	77
30) 1,1,1-Trichloroethane	7.71	97	6969	2.397	ug/L #	74
31) Carbon tetrachloride	7.91	117	5311	2.041	ug/L #	68
33) Benzene	8.17	78	17996	2.270	ug/L	100
34) Trichloroethene	8.94	95	4760	2.391	ug/L	89
35) Methylcyclohexane	9.18	83	5780	1.759	ug/L #	82
37) 1,2-Dichloropropane	9.22	63	3878	1.972	ug/L	100
38) Bromodichloromethane	9.50	83	5621	2.128	ug/L #	81
39) cis-1,3-Dichloropropene	9.93	75	7799	2.334	ug/L	92
40) 4-Methyl-2-pentanone	10.07	43	9740	4.318	ug/L	95
42) Toluene	10.24	91	18438	2.197	ug/L	92
44) trans-1,3-Dichloropropene	10.46	75	6895	2.357	ug/L	99
45) 1,1,2-Trichloroethane	10.64	97	4191	2.246	ug/L	90
46) Tetrachloroethene	10.72	164	2849	1.850	ug/L	86
48) 2-Hexanone	10.83	43	8906	5.468	ug/L	97
49) Dibromochloromethane	10.99	129	4444	2.199	ug/L	99
50) 1,2-Dibromoethane	11.10	107	4086	2.188	ug/L #	98
51) Chlorobenzene	11.51	112	11805	2.184	ug/L	96
52) Ethylbenzene	11.59	91	19567	2.043	ug/L	93
53) m,p-Xylene	11.69	106	7803	2.119	ug/L	75
54) o-xylene	12.02	106	7331	2.030	ug/L	62
55) Styrene	12.04	104	11568	1.885	ug/L	94
56) Isopropylbenzene	12.32	105	18191	1.968	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	6243	2.366	ug/L	87
59) 1,2,3-Trichloropropane	12.63	75	5148	2.465	ug/L	99
61) Bromoform	12.20	173	2445m	1.982	ug/L	
62) 1,3-Dichlorobenzene	13.36	146	8465	2.216	ug/L	83
63) 1,4-Dichlorobenzene	13.44	146	9169	2.342	ug/L	93
65) 1,2-Dichlorobenzene	13.74	146	8717	2.316	ug/L #	82
66) 1,2-Dibromo-3-chloropropan	14.36	75	1037	2.281	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.50	180	6330	2.374	ug/L	90
68) 1,2,4-trichlorobenzene	15.01	180	5010	2.003	ug/L	95
69) Naphthalene	15.23	128	16197	2.167	ug/L	97
70) 1,2,3-Trichlorobenzene	15.41	180	5320	2.210	ug/L	97

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

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