

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
 Data File : VU030338.D
 Acq On : 23 Mar 2019 13:50
 Operator : JC/SP
 Sample : VSTD01046
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01046

Manual Integrations
 APPROVED

MMDadoda
 3/24/2019 12:35:56 PM

Quant Time: Mar 24 01:52:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sun Mar 24 01:42:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	422833	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	407288	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	182480	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	34845	11.70	ug/L	0.00
7) Chloroethane-d5	1.68	69	27883	11.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	64023	11.63	ug/L	0.00
21) 2-Butanone-d5	4.18	46	60045	25.30	ug/L	0.00
24) Chloroform-d	4.65	84	56711	10.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	37680	11.85	ug/L	0.00
32) Benzene-d6	5.34	84	116158	10.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	40115	11.53	ug/L	0.00
41) Toluene-d8	7.56	98	102832	10.04	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	17276	10.31	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	38983	21.35	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	57701	11.01	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	37990	10.36	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	46437	12.146 ug/L	99
3) Chloromethane	1.33	50	51333	13.311 ug/L	98
5) Vinyl chloride	1.40	62	48259	12.219 ug/L	99
6) Bromomethane	1.63	94	20724	10.126 ug/L	100
8) Chloroethane	1.70	64	28460	12.318 ug/L	99
9) Trichlorofluoromethane	1.89	101	54060	11.167 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	30131	10.376 ug/L	99
12) 1,1-Dichloroethene	2.29	96	30125	10.484 ug/L	90
13) Acetone	2.32	43	64900	26.363 ug/L	99
14) Carbon disulfide	2.48	76	97934	11.159 ug/L	98
15) Methyl Acetate	2.62	43	48318	13.386 ug/L #	100
16) Methylene chloride	2.70	84	35489	10.785 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	30477	10.027 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	100048	11.129 ug/L	100
19) 1,1-Dichloroethane	3.44	63	63997	11.827 ug/L	96
20) cis-1,2-Dichloroethene	4.23	96	34179	10.256 ug/L	99
22) 2-Butanone	4.27	43	72839	24.896 ug/L	93
23) Bromochloromethane	4.54	128	16111m	9.292 ug/L	
25) Chloroform	4.67	83	61023	11.032 ug/L	99
27) 1,2-Dichloroethane	5.41	62	46316	11.513 ug/L	96
29) Cyclohexane	4.99	56	59263	12.390 ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	49624	11.038 ug/L	99
31) Carbon tetrachloride	5.14	117	40192	10.135 ug/L	98
33) Benzene	5.39	78	135783	11.151 ug/L	100
34) Trichloroethene	6.19	95	32792	10.356 ug/L	97
35) Methylcyclohexane	6.41	83	54355	10.924 ug/L	95
37) 1,2-Dichloropropane	6.43	63	39345	12.347 ug/L #	95
38) Bromodichloromethane	6.76	83	46802	11.648 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	53435	10.636 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	124549	26.889 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	140234	10.690	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	46487	10.671	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	32997	10.526	ug/L	98
46) Tetrachloroethene	8.22	164	23032	8.938	ug/L	96
48) 2-Hexanone	8.36	43	99821	26.017	ug/L #	95
49) Dibromochloromethane	8.47	129	33259	9.573	ug/L	94
50) 1,2-Dibromoethane	8.59	107	33783	9.783	ug/L	97
51) Chlorobenzene	9.12	112	84153	9.857	ug/L	98
52) Ethylbenzene	9.25	91	149418	10.471	ug/L	98
53) m,p-Xylene	9.37	106	52732	9.776	ug/L	95
54) o-xylene	9.78	106	51392	9.674	ug/L	97
55) Styrene	9.79	104	84804	9.385	ug/L	99
56) Isopropylbenzene	10.16	105	136862	9.904	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	60186	11.050	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	46252	10.932	ug/L	99
61) Bromoform	9.96	173	23771	10.042	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	58187	9.945	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	60576	9.992	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	60866	10.204	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	13690	12.856	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	43285	9.526	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	34004	8.478	ug/L	98
69) Naphthalene	13.74	128	114332	8.897	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	37468	9.004	ug/L	98

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

