

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100620\
 Data File : VU040522.D
 Acq On : 06 Oct 2020 12:51
 Operator : SY/MD
 Sample : VSTD00532
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005202

Manual Integrations
 APPROVED

MMDadoda
 10/8/2020 9:07:25 AM

Quant Time: Oct 07 07:41:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUL100620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 07:29:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	243046	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	248586	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	116361	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	10739	5.21	ug/L	0.00
7) Chloroethane-d5	1.92	69	8097	5.22	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	17945	4.53	ug/L	0.00
21) 2-Butanone-d5	4.65	46	15257	8.98	ug/L	0.00
24) Chloroform-d	5.08	84	17723	4.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	13365	5.21	ug/L	0.00
32) Benzene-d6	5.74	84	33403	4.71	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	11466	4.78	ug/L	0.00
41) Toluene-d8	7.91	98	27935	4.38	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	5024	4.13	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	7867	7.36	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	16006	4.73	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	11440	5.05	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	5955	3.237 ug/L	99
3) Chloromethane	1.53	50	6563	3.057 ug/L	99
5) Vinyl chloride	1.61	62	6325	2.949 ug/L #	66
6) Bromomethane	1.86	94	3289	2.901 ug/L	98
8) Chloroethane	1.94	64	4067	2.976 ug/L	91
9) Trichlorofluoromethane	2.15	101	7764	2.650 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	4628	2.509 ug/L	98
12) 1,1-Dichloroethene	2.59	96	4649	2.707 ug/L #	78
13) Acetone	2.64	43	9527	5.423 ug/L	99
14) Carbon disulfide	2.81	76	15128	2.734 ug/L	99
15) Methyl Acetate	2.96	43	6526	2.433 ug/L	97
16) Methylene chloride	3.06	84	5675	2.801 ug/L	94
17) trans-1,2-Dichloroethene	3.37	96	4549	2.562 ug/L	90
18) Methyl tert-butyl Ether	3.38	73	12502	2.156 ug/L	97
19) 1,1-Dichloroethane	3.89	63	9442	2.552 ug/L	92
20) cis-1,2-Dichloroethene	4.69	96	4717m	2.426 ug/L	
22) 2-Butanone	4.72	43	9650	4.597 ug/L	91
23) Bromochloromethane	4.99	128	2729	2.683 ug/L	85
25) Chloroform	5.11	83	9201	2.461 ug/L	94
27) 1,2-Dichloroethane	5.81	62	8129	2.563 ug/L	100
29) Cyclohexane	5.40	56	6698	1.981 ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	7463	2.328 ug/L	95
31) Carbon tetrachloride	5.54	117	6925	2.484 ug/L	98
33) Benzene	5.79	78	19519	2.412 ug/L	100
34) Trichloroethene	6.55	95	5137	2.477 ug/L	88
35) Methylcyclohexane	6.77	83	6211	1.958 ug/L	95
37) 1,2-Dichloropropane	6.80	63	4993	2.197 ug/L #	92
38) Bromodichloromethane	7.12	83	7702	2.669 ug/L	92
39) cis-1,3-Dichloropropene	7.62	75	6791	2.077 ug/L #	75
40) 4-Methyl-2-pentanone	7.80	43	13779	3.795 ug/L #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	17089	2.087	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	6873	2.072	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	4571	2.300	ug/L	91
46) Tetrachloroethene	8.56	164	3601	2.469	ug/L	97
48) 2-Hexanone	8.69	43	11239	3.864	ug/L #	98
49) Dibromochloromethane	8.81	129	4858	2.242	ug/L	90
50) 1,2-Dibromoethane	8.92	107	4971	2.347	ug/L #	92
51) Chlorobenzene	9.45	112	13491	2.487	ug/L	97
52) Ethylbenzene	9.57	91	18453	2.025	ug/L	97
53) m,p-Xylene	9.69	106	6446	1.945	ug/L	85
54) o-xylene	10.10	106	5769	1.781	ug/L	85
55) Styrene	10.11	104	9426	1.694	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	7860	2.254	ug/L	94
59) Bromoform	10.29	173	3456	2.456	ug/L #	94
60) 1,2,3-Trichloropropane	10.82	75	6932	2.560	ug/L	99
61) Isopropylbenzene	10.48	105	14851	1.870	ug/L	98
62) 1,3,5-Trimethylbenzene	11.09	105	11159	1.716	ug/L	97
63) 1,2,4-Trimethylbenzene	11.47	105	10774	1.640	ug/L	98
64) 1,3-Dichlorobenzene	11.74	146	8433	2.227	ug/L	91
65) 1,4-Dichlorobenzene	11.83	146	9436	2.400	ug/L	94
67) 1,2-Dichlorobenzene	12.21	146	9344	2.477	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.99	75	2027	2.677	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.21	180	5491	2.243	ug/L #	93
70) 1,2,4-trichlorobenzene	13.83	180	3650	1.736	ug/L	93
71) Naphthalene	14.08	128	7670	1.206	ug/L	97
72) 1,2,3-Trichlorobenzene	14.32	180	3803	1.863	ug/L	96

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

