

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092420\
 Data File : VU040261.D
 Acq On : 24 Sep 2020 09:56
 Operator : SY/MD
 Sample : VSTD01032
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010202

Quant Time: Sep 25 09:18:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM092420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 09:11:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	391406	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	383600	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	186515	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	31865	11.78	ug/L	0.00
7) Chloroethane-d5	1.92	69	24336	10.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	61178	11.80	ug/L	0.00
21) 2-Butanone-d5	4.65	46	53477	22.28	ug/L	0.00
24) Chloroform-d	5.08	84	56617	11.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	41335	12.26	ug/L	0.00
32) Benzene-d6	5.74	84	105430	10.29	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	35851	10.53	ug/L	0.00
41) Toluene-d8	7.91	98	93020	9.87	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	17874	10.82	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	27164	14.62	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	49961	10.05	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	33842	9.91	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	26853	9.855 ug/L	97
3) Chloromethane	1.52	50	32400	9.976 ug/L	98
5) Vinyl chloride	1.61	62	32258	9.393 ug/L	100
6) Bromomethane	1.86	94	17500	8.534 ug/L	98
8) Chloroethane	1.94	64	22157	10.153 ug/L	99
9) Trichlorofluoromethane	2.15	101	47302	11.230 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	30705	11.993 ug/L	98
12) 1,1-Dichloroethene	2.59	96	26600	10.827 ug/L	95
13) Acetone	2.64	43	55865	22.164 ug/L	99
14) Carbon disulfide	2.81	76	87376	11.672 ug/L	99
15) Methyl Acetate	2.96	43	44061	12.185 ug/L	100
16) Methylene chloride	3.06	84	33943	11.233 ug/L	98
17) trans-1,2-Dichloroethene	3.37	96	27992	10.674 ug/L	96
18) Methyl tert-butyl Ether	3.38	73	88769	9.846 ug/L	99
19) 1,1-Dichloroethane	3.89	63	61795	11.713 ug/L	97
20) cis-1,2-Dichloroethene	4.68	96	30319	10.255 ug/L	97
22) 2-Butanone	4.72	43	64222	21.458 ug/L	99
23) Bromochloromethane	4.99	128	16849	11.888 ug/L	93
25) Chloroform	5.11	83	61547	11.933 ug/L	97
27) 1,2-Dichloroethane	5.81	62	52542	12.143 ug/L	97
29) Cyclohexane	5.40	56	47984	9.423 ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	48981	11.368 ug/L	97
31) Carbon tetrachloride	5.54	117	42959	12.160 ug/L	98
33) Benzene	5.79	78	125050	10.479 ug/L	100
34) Trichloroethene	6.55	95	32507	10.941 ug/L	97
35) Methylcyclohexane	6.77	83	45404	8.865 ug/L	97
37) 1,2-Dichloropropane	6.80	63	35884	11.086 ug/L	99
38) Bromodichloromethane	7.11	83	44401	11.166 ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	47206	9.261 ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	106679	20.586 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	124019	9.684	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	49019	10.725	ug/L	93
45) 1,1,2-Trichloroethane	8.40	97	30762	10.525	ug/L	97
46) Tetrachloroethene	8.56	164	22773	10.893	ug/L	96
48) 2-Hexanone	8.69	43	82006	19.316	ug/L	99
49) Dibromochloromethane	8.81	129	33123	11.293	ug/L	96
50) 1,2-Dibromoethane	8.93	107	32994	10.699	ug/L	100
51) Chlorobenzene	9.45	112	84452	10.853	ug/L	98
52) Ethylbenzene	9.57	91	132149	9.385	ug/L	100
53) m,p-Xylene	9.69	106	47690	9.196	ug/L	98
54) o-xylene	10.10	106	46586	9.064	ug/L	93
55) Styrene	10.11	104	78391	9.095	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.78	83	53207	10.193	ug/L	99
59) Bromoform	10.29	173	22169	10.542	ug/L	96
60) 1,2,3-Trichloropropane	10.82	75	45073	10.252	ug/L	98
61) Isopropylbenzene	10.48	105	121797	8.816	ug/L	97
62) 1,3,5-Trimethylbenzene	11.09	105	93219	7.921	ug/L	98
63) 1,2,4-Trimethylbenzene	11.47	105	93198	7.875	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	60417	10.238	ug/L	97
65) 1,4-Dichlorobenzene	11.83	146	63634	10.630	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	59760	10.011	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.99	75	11926	9.511	ug/L	92
69) 1,3,5-Trichlorobenzene	13.21	180	38313	9.375	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	31359	9.131	ug/L	98
71) Naphthalene	14.08	128	87822	7.372	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	31242	9.014	ug/L	96

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

