

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020620\
 Data File : VU036680.D
 Acq On : 06 Feb 2020 11:53
 Operator : JC/MD
 Sample : VSTD01032
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010102

Quant Time: Feb 07 04:31:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 07 04:29:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	277188	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	255245	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	114809	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	17586	7.08	ug/L	0.00
7) Chloroethane-d5	1.93	69	16618	7.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	32516	7.83	ug/L	0.00
21) 2-Butanone-d5	4.68	46	30780	21.24	ug/L	0.00
24) Chloroform-d	5.11	84	31481	7.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	21560	8.64	ug/L	0.00
32) Benzene-d6	5.77	84	65140	9.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	21424	9.14	ug/L	0.00
41) Toluene-d8	7.93	98	58546	8.80	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	9821	8.80	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	23716	23.50	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.78	84	30294	8.99	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.21	152	20125	8.84	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	18657	7.178 ug/L	95
3) Chloromethane	1.54	50	22030	7.974 ug/L	100
5) Vinyl chloride	1.62	62	23458	7.866 ug/L	97
6) Bromomethane	1.87	94	14723	7.114 ug/L	97
8) Chloroethane	1.95	64	14777	6.871 ug/L	95
9) Trichlorofluoromethane	2.16	101	27860	7.339 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	16825	8.825 ug/L	99
12) 1,1-Dichloroethene	2.61	96	15760	8.331 ug/L	100
13) Acetone	2.66	43	33964	24.199 ug/L	99
14) Carbon disulfide	2.82	76	47660	8.066 ug/L	99
15) Methyl Acetate	2.99	43	23225	10.102 ug/L	99
16) Methylene chloride	3.08	84	20112	9.254 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	17183	8.736 ug/L	100
18) Methyl tert-butyl Ether	3.41	73	58929	9.789 ug/L	99
19) 1,1-Dichloroethane	3.92	63	34215	8.983 ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	19379	8.893 ug/L	94
22) 2-Butanone	4.76	43	38420	22.674 ug/L	97
23) Bromochloromethane	5.02	128	9300	8.439 ug/L	95
25) Chloroform	5.14	83	32711	8.313 ug/L	98
27) 1,2-Dichloroethane	5.84	62	28156	9.152 ug/L	100
29) Cyclohexane	5.43	56	32030	11.106 ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	26027	8.471 ug/L	96
31) Carbon tetrachloride	5.57	117	20362	7.583 ug/L	95
33) Benzene	5.82	78	74530	9.564 ug/L	100
34) Trichloroethene	6.58	95	18739	9.157 ug/L	98
35) Methylcyclohexane	6.80	83	32005	10.472 ug/L	97
37) 1,2-Dichloropropane	6.83	63	20128	9.468 ug/L	# 96
38) Bromodichloromethane	7.14	83	23970	8.818 ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	31835	10.048 ug/L	96
40) 4-Methyl-2-pentanone	7.83	43	61610	22.118 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	80261	9.759	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	26968	9.380	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	18530	9.267	ug/L	97
46) Tetrachloroethene	8.58	164	13071	8.369	ug/L	97
48) 2-Hexanone	8.72	43	48169	22.456	ug/L	97
49) Dibromochloromethane	8.84	129	16895	7.758	ug/L	97
50) 1,2-Dibromoethane	8.95	107	18927	9.074	ug/L	98
51) Chlorobenzene	9.47	112	48092	9.074	ug/L	98
52) Ethylbenzene	9.60	91	86610	9.928	ug/L	99
53) m,p-Xylene	9.72	106	32098	9.908	ug/L	99
54) o-xylene	10.13	106	31621	9.913	ug/L	99
55) Styrene	10.14	104	51193	9.503	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.81	83	32033	9.438	ug/L	99
59) Bromoform	10.32	173	11820	8.204	ug/L	100
60) 1,2,3-Trichloropropane	10.85	75	26340	10.966	ug/L	98
61) Isopropylbenzene	10.51	105	83624	11.343	ug/L	99
62) 1,3,5-Trimethylbenzene	11.11	105	69798	11.595	ug/L	99
63) 1,2,4-Trimethylbenzene	11.49	105	69095	11.591	ug/L	99
64) 1,3-Dichlorobenzene	11.77	146	35151	9.859	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	34953	9.590	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	35473	9.782	ug/L	99
68) 1,2-Dibromo-3-chloropropan	13.01	75	7248	10.723	ug/L	94
69) 1,3,5-Trichlorobenzene	13.23	180	23947	9.036	ug/L	99
70) 1,2,4-trichlorobenzene	13.85	180	19477	8.902	ug/L	97
71) Naphthalene	14.10	128	63431	9.405	ug/L	99
72) 1,2,3-Trichlorobenzene	14.34	180	20048	8.868	ug/L	97

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

