

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101023\
 Data File : VU055711.D
 Acq On : 10 Oct 2023 10:16
 Operator : MD/SY
 Sample : VSTD01036
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD010036

Quant Time: Oct 11 04:59:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 11 04:58:37 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	375103	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	390846	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	214070	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	33003	11.132	ug/L	0.00
7) Chloroethane-d5	1.914	69	27478	9.626	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.570	63	59371	13.245	ug/L	0.00
21) 2-Butanone-d5	4.621	46	47853	24.105	ug/L	0.00
24) Chloroform-d	5.058	84	63550	12.997	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	39219	13.214	ug/L	0.00
32) Benzene-d6	5.724	84	117015	11.744	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	37208	11.193	ug/L	0.00
41) Toluene-d8	7.897	98	102273	10.871	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	17500	10.459	ug/L	0.00
47) 2-Hexanone-d5	8.630	63	24350	16.304	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	59278	10.211	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	40140	10.713	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	33016	11.591	ug/L	99
3) Chloromethane	1.518	50	30387	9.674	ug/L	97
5) Vinyl chloride	1.602	62	33909	8.569	ug/L	97
6) Bromomethane	1.856	94	20886	8.533	ug/L	97
8) Chloroethane	1.933	64	21761	8.016	ug/L	99
9) Trichlorofluoromethane	2.139	101	48598	7.814	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.583	101	30622	12.102	ug/L	99
12) 1,1-Dichloroethene	2.579	96	27610	11.714	ug/L	98
13) Acetone	2.621	43	48405	28.302	ug/L	99
14) Carbon disulfide	2.795	76	83528	11.972	ug/L	98
15) Methyl Acetate	2.943	43	36396	13.112	ug/L	97
16) Methylene chloride	3.042	84	34745	12.177	ug/L	98
17) trans-1,2-Dichloroethene	3.354	96	27529	11.271	ug/L	95
18) Methyl tert-butyl Ether	3.357	73	84301	10.115	ug/L	99
19) 1,1-Dichloroethane	3.865	63	58103	12.282	ug/L	97
20) cis-1,2-Dichloroethene	4.669	96	30847	10.666	ug/L	95
22) 2-Butanone	4.701	43	51493	22.562	ug/L	99
23) Bromochloromethane	4.971	128	16529	11.170	ug/L	94
25) Chloroform	5.081	83	60488	12.205	ug/L	94
27) 1,2-Dichloroethane	5.791	62	48758	12.738	ug/L	98
29) Cyclohexane	5.386	56	40999	9.453	ug/L	97
30) 1,1,1-Trichloroethane	5.316	97	51215	11.568	ug/L	98
31) Carbon tetrachloride	5.521	117	44292	11.577	ug/L	97
33) Benzene	5.772	78	123502	10.885	ug/L	100
34) Trichloroethene	6.541	95	35111	12.050	ug/L	96
35) Methylcyclohexane	6.759	83	45132	9.669	ug/L	96
37) 1,2-Dichloropropane	6.788	63	35068	11.201	ug/L	98
38) Bromodichloromethane	7.103	83	45822	11.438	ug/L	94
39) cis-1,3-Dichloropropene	7.605	75	47985	9.435	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	91296	19.387	ug/L	97
42) Toluene	7.968	91	127913	10.165	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	47419	9.881	ug/L	98

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45) 1,1,2-Trichloroethane	8.399	97	35041	11.097	ug/L	94
46) Tetrachloroethene	8.550	164	24594	11.159	ug/L	96
48) 2-Hexanone	8.682	43	72458	18.386	ug/L	98
49) Dibromochloromethane	8.804	129	33249	10.231	ug/L	100
50) 1,2-Dibromoethane	8.920	107	35934	10.616	ug/L	94
51) Chlorobenzene	9.444	112	84286	10.394	ug/L	99
52) Ethylbenzene	9.566	91	134780	9.398	ug/L	97
53) m,p-Xylene	9.692	106	50220	9.190	ug/L	95
54) o-Xylene	10.097	106	47336	8.589	ug/L	96
55) Styrene	10.113	104	78161	8.153	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	57197	9.437	ug/L	99
59) Bromoform	10.286	173	26275	9.955	ug/L	96
60) 1,2,3-Trichloropropane	10.817	75	48599	11.538	ug/L	99
61) Isopropylbenzene	10.483	105	125579	9.017	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	94731	8.271	ug/L	98
63) 1,2,4-Trimethylbenzene	11.466	105	90464	7.954	ug/L	97
64) 1,3-Dichlorobenzene	11.743	146	65963	10.138	ug/L	93
65) 1,4-Dichlorobenzene	11.833	146	67740	10.310	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	63922	9.821	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.994	75	13364	11.394	ug/L #	80
69) 1,3,5-Trichlorobenzene	13.219	180	40868	9.414	ug/L	96
70) 1,2,4-trichlorobenzene	13.839	180	32492	8.757	ug/L	97
71) Naphthalene	14.087	128	84893	7.052	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	32079	8.806	ug/L	98

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

