

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101023\
 Data File : VU055714.D
 Acq On : 10 Oct 2023 11:42
 Operator : MD/SY
 Sample : VSTD20039
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200039

Quant Time: Oct 11 05:01:24 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	422269	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	430645	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	265417	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	759190	227.471	ug/L	0.00
7) Chloroethane-d5	1.904	69	613094	190.782	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.567	63	1367461	270.983	ug/L	0.00
21) 2-Butanone-d5	4.608	46	1207563	540.337	ug/L	0.00
24) Chloroform-d	5.059	84	1428314	259.480	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	889213	266.130	ug/L	0.00
32) Benzene-d6	5.724	84	2845356	259.181	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	884487	241.488	ug/L	0.00
41) Toluene-d8	7.894	98	2665752	257.168	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	472138	256.103	ug/L	0.00
47) 2-Hexanone-d5	8.627	63	901493	547.817	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	1445105	225.930	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	1089398	234.510	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	688305	214.660	ug/L	100
3) Chloromethane	1.518	50	644846	182.362	ug/L	99
5) Vinyl chloride	1.602	62	715457	160.602	ug/L	100
6) Bromomethane	1.843	94	467864	169.804	ug/L	96
8) Chloroethane	1.927	64	463562	151.694	ug/L	99
9) Trichlorofluoromethane	2.133	101	1025044	146.411	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	654801	229.883	ug/L	99
12) 1,1-Dichloroethene	2.576	96	598720	225.654	ug/L	99
13) Acetone	2.615	43	988989	513.661	ug/L	97
14) Carbon disulfide	2.789	76	1768355	225.153	ug/L	98
15) Methyl Acetate	2.940	43	792719	253.681	ug/L	97
16) Methylene chloride	3.039	84	675544	210.316	ug/L	96
17) trans-1,2-Dichloroethene	3.348	96	618231	224.844	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	2100225	223.852	ug/L	98
19) 1,1-Dichloroethane	3.862	63	1203666	226.010	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	730422	224.339	ug/L	98
22) 2-Butanone	4.689	43	1297420	504.966	ug/L	98
23) Bromochloromethane	4.968	128	355921	213.652	ug/L	99
25) Chloroform	5.081	83	1266709	227.046	ug/L	98
27) 1,2-Dichloroethane	5.788	62	1018379	236.329	ug/L	99
29) Cyclohexane	5.386	56	1107209	231.698	ug/L	100
30) 1,1,1-Trichloroethane	5.313	97	1109035	227.355	ug/L	99
31) Carbon tetrachloride	5.522	117	974584	231.190	ug/L	97
33) Benzene	5.769	78	2743848	219.484	ug/L	100
34) Trichloroethene	6.538	95	743250	231.516	ug/L	99
35) Methylcyclohexane	6.759	83	1226242	238.432	ug/L	98
37) 1,2-Dichloropropane	6.785	63	741843	215.054	ug/L	100
38) Bromodichloromethane	7.100	83	993207	225.003	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	1226989	218.950	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	2286336	440.641	ug/L	97
42) Toluene	7.965	91	3013396	217.344	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	1206017	228.081	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.396	97	736533	211.684	ug/L	98
46) Tetrachloroethene	8.550	164	545197	224.510	ug/L	98
48) 2-Hexanone	8.679	43	1968092	453.246	ug/L	97
49) Dibromochloromethane	8.808	129	792933	221.450	ug/L	99
50) 1,2-Dibromoethane	8.920	107	820333	219.944	ug/L	99
51) Chlorobenzene	9.444	112	1917974	214.658	ug/L	99
52) Ethylbenzene	9.566	91	3445121	218.023	ug/L	100
53) m,p-Xylene	9.692	106	1303084	216.418	ug/L	98
54) o-Xylene	10.097	106	1262444	207.889	ug/L	96
55) Styrene	10.110	104	2190243	207.363	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	1362258	203.996	ug/L	100
59) Bromoform	10.287	173	656296	200.553	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	1086764	208.104	ug/L	98
61) Isopropylbenzene	10.483	105	3449573	199.766	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	3067240	215.993	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	3096972	219.615	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	1663310	206.176	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	1700124	208.703	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	1661254	205.851	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	393643	270.698	ug/L	99
69) 1,3,5-Trichlorobenzene	13.216	180	1237966	230.005	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	1099368	238.984	ug/L	99
71) Naphthalene	14.084	128	3529966	236.512	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	1054131	233.389	ug/L	98

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

