

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
 Data File : VU057831.D
 Acq On : 07 Feb 2024 10:12
 Operator : MD/SY
 Sample : VSTD05055
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050055

Quant Time: Feb 08 01:07:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 08 01:05:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	266042	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	247995	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	125822	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	108026	56.471	ug/L	0.00
7) Chloroethane-d5	1.908	69	86173	58.060	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	63	198363	50.697	ug/L	0.00
21) 2-Butanone-d5	4.621	46	120762	126.868	ug/L	0.00
24) Chloroform-d	5.052	84	191196	44.936	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	122315	43.957	ug/L	0.00
32) Benzene-d6	5.721	84	380851	55.378	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	120223	60.201	ug/L	0.00
41) Toluene-d8	7.891	98	349513	54.834	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	58905	51.934	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	98971	144.146	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	156591	54.318	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	123425	49.745	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	123012	41.757	ug/L	100
3) Chloromethane	1.518	50	112165	56.227	ug/L	100
5) Vinyl chloride	1.602	62	121099	56.742	ug/L	100
6) Bromomethane	1.856	94	75362	53.676	ug/L	100
8) Chloroethane	1.927	64	74042	58.676	ug/L	100
9) Trichlorofluoromethane	2.129	101	168191	40.910	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	101985	49.407	ug/L	100
12) 1,1-Dichloroethene	2.573	96	90467	49.628	ug/L	100
13) Acetone	2.628	43	154151	130.151	ug/L	100
14) Carbon disulfide	2.785	76	282318	49.997	ug/L	100
15) Methyl Acetate	2.943	43	97598	63.913	ug/L	100
16) Methylene chloride	3.036	84	102566	49.471	ug/L	100
17) trans-1,2-Dichloroethene	3.345	96	92478	49.758	ug/L	100
18) Methyl tert-butyl Ether	3.354	73	323148	53.572	ug/L	100
19) 1,1-Dichloroethane	3.859	63	187163	53.457	ug/L	100
20) cis-1,2-Dichloroethene	4.657	96	106003	52.590	ug/L	100
22) 2-Butanone	4.695	43	163177	136.672	ug/L	100
23) Bromochloromethane	4.965	128	52274	46.440	ug/L	100
25) Chloroform	5.078	83	190402	46.324	ug/L	100
27) 1,2-Dichloroethane	5.785	62	155182	45.401	ug/L	100
29) Cyclohexane	5.380	56	169417	65.872	ug/L	100
30) 1,1,1-Trichloroethane	5.306	97	165167	43.995	ug/L	100
31) Carbon tetrachloride	5.518	117	144119	43.548	ug/L	100
33) Benzene	5.766	78	412229	56.706	ug/L	100
34) Trichloroethene	6.534	95	110346	52.607	ug/L	100
35) Methylcyclohexane	6.756	83	180052	61.143	ug/L	100
37) 1,2-Dichloropropane	6.782	63	111040	60.351	ug/L	100
38) Bromodichloromethane	7.100	83	142307	48.624	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	181131	57.454	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	280591	142.546	ug/L	100
42) Toluene	7.962	91	433359	55.958	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	166791	53.826	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	103321	53.165	ug/L	100
46) Tetrachloroethene	8.547	164	76880	49.469	ug/L	100
48) 2-Hexanone	8.682	43	242549	149.960	ug/L	100
49) Dibromochloromethane	8.804	129	105591	46.104	ug/L	100
50) 1,2-Dibromoethane	8.917	107	110977	53.760	ug/L	100
51) Chlorobenzene	9.441	112	275864	53.433	ug/L	100
52) Ethylbenzene	9.563	91	489428	56.637	ug/L	100
53) m,p-Xylene	9.689	106	183723	56.885	ug/L	100
54) o-Xylene	10.094	106	177176	56.333	ug/L	100
55) Styrene	10.110	104	299383	56.470	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	166899	55.977	ug/L	100
59) Bromoform	10.287	173	75669	42.626	ug/L	100
60) 1,2,3-Trichloropropane	10.817	75	133338	54.289	ug/L	100
61) Isopropylbenzene	10.480	105	483153	57.086	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	408727	56.520	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	408514	57.578	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	208662	52.865	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	209175	51.540	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	207028	52.060	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	34694	52.885	ug/L	100
69) 1,3,5-Trichlorobenzene	13.216	180	150564	53.065	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	127975	57.991	ug/L	100
71) Naphthalene	14.081	128	338479	63.989	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	116716	56.539	ug/L	100

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

