

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050223\
 Data File : VU054049.D
 Acq On : 02 May 2023 17:03
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050088

Quant Time: May 03 05:21:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 03 05:19:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	252436	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.411	117	237327	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	130596	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	84131	44.066	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.140%
7) Chloroethane-d5	1.906	69	55910	44.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.220%
11) 1,1-Dichloroethene-d2	2.565	63	157101	46.394	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.780%
21) 2-Butanone-d5	4.620	46	119127	109.403	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.400%
24) Chloroform-d	5.057	84	172895	49.308	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.620%
26) 1,2-Dichloroethane-d4	5.694	65	110495	49.079	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.160%
32) Benzene-d6	5.719	84	330510	47.312	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.620%
36) 1,2-Dichloropropane-d6	6.684	67	107143	48.584	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.160%
41) Toluene-d8	7.893	98	308165	48.862	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.720%
43) trans-1,3-Dichloroprop...	8.173	79	53411	48.939	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.880%
47) 2-Hexanone-d5	8.629	63	77739	98.418	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.420%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	149831	51.579	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.160%
66) 1,2-Dichlorobenzene-d4	12.189	152	126469	49.572	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	88244	48.451	ug/L	99
3) Chloromethane	1.517	50	82571	49.330	ug/L	98
5) Vinyl chloride	1.604	62	87878	49.360	ug/L	97
6) Bromomethane	1.855	94	45574	45.921	ug/L	95
8) Chloroethane	1.929	64	47582	49.045	ug/L	99
9) Trichlorofluoromethane	2.134	101	141661	50.142	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	83870	49.637	ug/L	99
12) 1,1-Dichloroethene	2.575	96	73037	49.879	ug/L	100
13) Acetone	2.630	43	99225	92.840	ug/L	97
14) Carbon disulfide	2.790	76	154774	47.623	ug/L	99
15) Methyl Acetate	2.945	43	91293	54.543	ug/L	96
16) Methylene chloride	3.041	84	92522	50.100	ug/L	98
17) trans-1,2-Dichloroethene	3.347	96	75831	50.646	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	279979	50.863	ug/L	99
19) 1,1-Dichloroethane	3.861	63	164151	51.061	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	92653	50.355	ug/L	97
22) 2-Butanone	4.700	43	132952	105.365	ug/L	97
23) Bromochloromethane	4.967	128	48590	50.937	ug/L	97
25) Chloroform	5.083	83	173084	51.021	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	134427	51.517	ug/L	99
29) Cyclohexane	5.382	56	117269	47.811	ug/L	98
30) 1,1,1-Trichloroethane	5.308	97	146187	49.419	ug/L	99
31) Carbon tetrachloride	5.520	117	126082	49.960	ug/L	99
33) Benzene	5.768	78	349414	50.582	ug/L	100
34) Trichloroethene	6.536	95	90984	49.625	ug/L	98
35) Methylcyclohexane	6.758	83	123299	47.951	ug/L	99
37) 1,2-Dichloropropane	6.784	63	96193	49.220	ug/L	99
38) Bromodichloromethane	7.099	83	125219	50.856	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	155735	50.939	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	241018	105.824	ug/L	99
42) Toluene	7.964	91	368466	51.237	ug/L	99
44) trans-1,3-Dichloropropene	8.202	75	148065	50.960	ug/L	96
45) 1,1,2-Trichloroethane	8.395	97	97222	51.395	ug/L	96
46) Tetrachloroethene	8.549	164	71483	49.145	ug/L	98
48) 2-Hexanone	8.681	43	191853	106.293	ug/L	98
49) Dibromochloromethane	8.803	129	93579	50.203	ug/L	97
50) 1,2-Dibromoethane	8.919	107	100550	52.369	ug/L	99
51) Chlorobenzene	9.443	112	245779	51.098	ug/L	100
52) Ethylbenzene	9.565	91	414217	51.177	ug/L	99
53) m,p-Xylene	9.690	106	153917	50.643	ug/L	94
54) o-Xylene	10.095	106	155731	52.375	ug/L	98
55) Styrene	10.108	104	270273	52.995	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	153883	51.641	ug/L	99
59) Bromoform	10.285	173	73104	50.000	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	122750	50.602	ug/L	99
61) Isopropylbenzene	10.478	105	416318	50.501	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	341547	50.559	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	341065	51.223	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	201476	49.971	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	204963	49.915	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	202891	49.861	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	30856	49.859	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	147433	50.463	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	129179	48.771	ug/L	99
71) Naphthalene	14.082	128	389124	50.651	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	133717	50.751	ug/L	99

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

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