

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050423\
 Data File : VU054056.D
 Acq On : 04 May 2023 11:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050089

Quant Time: May 05 04:28:29 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	6.247	114	238249	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	222166	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	125505	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	67901	37.683	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.360%
7) Chloroethane-d5	1.909	69	47719	40.344	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.680%
11) 1,1-Dichloroethene-d2	2.565	63	130496	40.832	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.660%
21) 2-Butanone-d5	4.623	46	88878	86.483	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.480%
24) Chloroform-d	5.060	84	142789	43.147	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.300%
26) 1,2-Dichloroethane-d4	5.697	65	91650	43.133	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.260%
32) Benzene-d6	5.722	84	267886	40.964	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.920%
36) 1,2-Dichloropropane-d6	6.684	67	85783	41.552	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.100%
41) Toluene-d8	7.893	98	247372	41.899	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	8.176	79	44024	43.091	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.180%
47) 2-Hexanone-d5	8.629	63	57606	77.906	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.910%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	121650	44.736	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.480%
66) 1,2-Dichlorobenzene-d4	12.188	152	105703	43.113	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	84879	49.379	ug/L	99
3) Chloromethane	1.520	50	73260	46.373	ug/L	99
5) Vinyl chloride	1.604	62	78108	46.485	ug/L	98
6) Bromomethane	1.858	94	42035	44.877	ug/L	94
8) Chloroethane	1.932	64	45773	49.990	ug/L	99
9) Trichlorofluoromethane	2.137	101	129560	48.589	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	80188	50.284	ug/L	99
12) 1,1-Dichloroethene	2.578	96	65106	47.110	ug/L	94
13) Acetone	2.633	43	133285	132.134	ug/L	98
14) Carbon disulfide	2.790	76	145739	47.513	ug/L	98
15) Methyl Acetate	2.948	43	72042	45.605	ug/L	98
16) Methylene chloride	3.044	84	79947	45.868	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	68134	48.215	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	245830	47.319	ug/L	98
19) 1,1-Dichloroethane	3.864	63	144635	47.669	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	82090	47.271	ug/L	96
22) 2-Butanone	4.700	43	133196	111.844	ug/L	95
23) Bromochloromethane	4.970	128	44002	48.874	ug/L	95
25) Chloroform	5.083	83	156405	48.850	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	118978	48.311	ug/L	99
29) Cyclohexane	5.385	56	106585	46.420	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	136910	49.441	ug/L	98
31) Carbon tetrachloride	5.520	117	117845	49.883	ug/L	99
33) Benzene	5.771	78	306798	47.444	ug/L	100
34) Trichloroethene	6.539	95	83600	48.710	ug/L	98
35) Methylcyclohexane	6.758	83	116127	48.244	ug/L	99
37) 1,2-Dichloropropane	6.787	63	86904	47.502	ug/L	98
38) Bromodichloromethane	7.102	83	114460	49.659	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	138999	48.568	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	197019	92.409	ug/L	99
42) Toluene	7.967	91	329416	48.933	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	131583	48.378	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	86276	48.721	ug/L	96
46) Tetrachloroethene	8.549	164	67033	49.231	ug/L	98
48) 2-Hexanone	8.681	43	177501	105.052	ug/L	97
49) Dibromochloromethane	8.806	129	88888	50.940	ug/L	96
50) 1,2-Dibromoethane	8.918	107	88143	49.040	ug/L	99
51) Chlorobenzene	9.443	112	224127	49.776	ug/L	100
52) Ethylbenzene	9.565	91	371525	49.035	ug/L	99
53) m,p-Xylene	9.690	106	144140	50.662	ug/L	97
54) o-Xylene	10.095	106	139488	50.114	ug/L	99
55) Styrene	10.108	104	244748	51.265	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	132747	47.588	ug/L	100
59) Bromoform	10.285	173	67639	48.139	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	104347	44.761	ug/L	99
61) Isopropylbenzene	10.481	105	383129	48.360	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	315915	48.662	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	314698	49.180	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	187612	48.420	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	190108	48.176	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	188710	48.257	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	27701	46.577	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	139439	49.662	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	124175	48.784	ug/L	98
71) Naphthalene	14.082	128	329090	44.574	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	122891	48.534	ug/L	99

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

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