

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012723\
 Data File : VU052859.D
 Acq On : 27 Jan 2023 20:03
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050144

Quant Time: Jan 27 22:26:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 22:20:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	241491	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	265321	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	150385	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	69991	40.268	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.540%
7) Chloroethane-d5	1.906	69	77913	54.401	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.800%
11) 1,1-Dichloroethene-d2	2.568	63	182381	52.755	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.520%
21) 2-Butanone-d5	4.620	46	95438	88.884	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.880%
24) Chloroform-d	5.057	84	171983	46.363	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.720%
26) 1,2-Dichloroethane-d4	5.694	65	109220	46.112	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.220%
32) Benzene-d6	5.723	84	324601	40.045	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.080%
36) 1,2-Dichloropropane-d6	6.684	67	94538	39.766	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.540%
41) Toluene-d8	7.893	98	356757	48.333	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.660%
43) trans-1,3-Dichloroprop...	8.173	79	58132	48.786	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.580%
47) 2-Hexanone-d5	8.632	63	92248	110.432	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.430%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	171861	48.928	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.860%
66) 1,2-Dichlorobenzene-d4	12.189	152	137756	47.176	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	102620	45.381	ug/L	99
3) Chloromethane	1.520	50	79267	42.502	ug/L	100
5) Vinyl chloride	1.604	62	97232	47.126	ug/L	100
6) Bromomethane	1.855	94	72961	56.072	ug/L	92
8) Chloroethane	1.929	64	74136	57.207	ug/L	98
9) Trichlorofluoromethane	2.134	101	191992	55.556	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	100606	51.648	ug/L	99
12) 1,1-Dichloroethene	2.578	96	95953	53.711	ug/L	98
13) Acetone	2.626	43	103613	79.010	ug/L	97
14) Carbon disulfide	2.790	76	278090	51.540	ug/L	100
15) Methyl Acetate	2.945	43	94919	53.720	ug/L	98
16) Methylene chloride	3.041	84	101485	47.755	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	89115	46.160	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	274591	48.371	ug/L	98
19) 1,1-Dichloroethane	3.864	63	154222	45.549	ug/L	97
20) cis-1,2-Dichloroethene	4.662	96	99566	48.304	ug/L	95
22) 2-Butanone	4.697	43	113187	80.749	ug/L	96
23) Bromochloromethane	4.970	128	55382	47.847	ug/L	95
25) Chloroform	5.083	83	179043	47.105	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	143985	47.851	ug/L	98
29) Cyclohexane	5.385	56	126114	40.112	ug/L	95
30) 1,1,1-Trichloroethane	5.311	97	165441	42.392	ug/L	99
31) Carbon tetrachloride	5.520	117	147829	43.697	ug/L	100
33) Benzene	5.768	78	374869	41.506	ug/L	100
34) Trichloroethene	6.536	95	94043	40.967	ug/L	92
35) Methylcyclohexane	6.758	83	160185	44.088	ug/L	98
37) 1,2-Dichloropropane	6.787	63	101167	45.562	ug/L	99
38) Bromodichloromethane	7.102	83	161565	49.584	ug/L	100
39) cis-1,3-Dichloropropene	7.600	75	169581	48.755	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	290398	111.010	ug/L	99
42) Toluene	7.964	91	479437	51.796	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	173690	50.813	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	113481	49.977	ug/L	99
46) Tetrachloroethene	8.549	164	89720	45.389	ug/L	97
48) 2-Hexanone	8.681	43	235459	106.395	ug/L	98
49) Dibromochloromethane	8.806	129	131790	48.535	ug/L	100
50) 1,2-Dibromoethane	8.919	107	121025	49.522	ug/L	100
51) Chlorobenzene	9.443	112	306232	48.087	ug/L	99
52) Ethylbenzene	9.565	91	501695	50.718	ug/L	100
53) m,p-Xylene	9.690	106	202826	50.649	ug/L	96
54) o-xylene	10.095	106	198847	52.014	ug/L	97
55) Styrene	10.111	104	338689	51.628	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	189435	51.551	ug/L	99
59) Bromoform	10.285	173	97275	47.203	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	149287	51.176	ug/L	99
61) Isopropylbenzene	10.481	105	503682	51.858	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	423943	52.422	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	419663	53.627	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	232264	47.398	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	237339	46.785	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	241843	48.793	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	40544	48.488	ug/L	92
69) 1,3,5-Trichlorobenzene	13.214	180	160369	44.206	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	133209	43.797	ug/L	97
71) Naphthalene	14.082	128	406353	46.491	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	143509	44.647	ug/L	98

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

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