

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012723\
 Data File : VU052833.D
 Acq On : 27 Jan 2023 09:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050143

Quant Time: Jan 27 22:17:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:23:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	262354	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	254860	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	147204	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	82265	43.566	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.140%
7) Chloroethane-d5	1.909	69	72925	46.869	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.740%
11) 1,1-Dichloroethene-d2	2.568	63	175804	46.809	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.620%
21) 2-Butanone-d5	4.620	46	102661	88.007	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.010%
24) Chloroform-d	5.060	84	193612	48.043	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.080%
26) 1,2-Dichloroethane-d4	5.697	65	122604	47.646	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.300%
32) Benzene-d6	5.723	84	363386	46.669	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.340%
36) 1,2-Dichloropropane-d6	6.684	67	107903	47.251	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.500%
41) Toluene-d8	7.893	98	336303	47.432	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.860%
43) trans-1,3-Dichloroprop...	8.176	79	54894	47.960	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.920%
47) 2-Hexanone-d5	8.629	63	75005	93.476	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.480%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	155182	45.993	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.980%
66) 1,2-Dichlorobenzene-d4	12.189	152	134749	47.143	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	120073	48.877	ug/L	100
3) Chloromethane	1.520	50	92731	45.767	ug/L	100
5) Vinyl chloride	1.604	62	106153	47.358	ug/L	99
6) Bromomethane	1.855	94	70901	50.156	ug/L	96
8) Chloroethane	1.929	64	68595	48.722	ug/L	96
9) Trichlorofluoromethane	2.138	101	184710	49.198	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	101789	48.100	ug/L	96
12) 1,1-Dichloroethene	2.578	96	94254	48.565	ug/L	97
13) Acetone	2.626	43	153587	107.804	ug/L	97
14) Carbon disulfide	2.790	76	277101	47.273	ug/L	100
15) Methyl Acetate	2.945	43	88580	46.145	ug/L	97
16) Methylene chloride	3.041	84	108986	47.207	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	102263	48.758	ug/L	94
18) Methyl tert-butyl Ether	3.359	73	303092	49.146	ug/L	99
19) 1,1-Dichloroethane	3.864	63	177550	48.269	ug/L	97
20) cis-1,2-Dichloroethene	4.662	96	110078	49.157	ug/L	99
22) 2-Butanone	4.697	43	159510	104.747	ug/L	98
23) Bromochloromethane	4.970	128	62550	49.742	ug/L	99
25) Chloroform	5.083	83	203040	49.170	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	161319	49.348	ug/L	99
29) Cyclohexane	5.385	56	149336	49.447	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	185016	49.353	ug/L	99
31) Carbon tetrachloride	5.520	117	165717	50.995	ug/L	99
33) Benzene	5.771	78	428188	49.356	ug/L	100
34) Trichloroethene	6.539	95	105379	47.790	ug/L	94
35) Methylcyclohexane	6.761	83	176895	50.686	ug/L	99
37) 1,2-Dichloropropane	6.787	63	103102	48.339	ug/L	99
38) Bromodichloromethane	7.102	83	153835	49.150	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	160935	48.168	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	242802	96.625	ug/L	99
42) Toluene	7.967	91	451819	50.816	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	163293	49.732	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	107719	49.387	ug/L	99
46) Tetrachloroethene	8.549	164	95604	50.351	ug/L	98
48) 2-Hexanone	8.681	43	217342	102.240	ug/L	98
49) Dibromochloromethane	8.806	129	131923	50.578	ug/L	100
50) 1,2-Dibromoethane	8.919	107	114197	48.647	ug/L	99
51) Chlorobenzene	9.443	112	296680	48.500	ug/L	99
52) Ethylbenzene	9.568	91	483289	50.862	ug/L	100
53) m,p-Xylene	9.690	106	198231	51.533	ug/L	98
54) o-xylene	10.099	106	192506	52.422	ug/L	95
55) Styrene	10.112	104	334663	53.109	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	169178	47.928	ug/L	99
59) Bromoform	10.285	173	97303	48.237	ug/L	97
60) 1,2,3-Trichloropropane	10.819	75	133825	46.867	ug/L	99
61) Isopropylbenzene	10.481	105	494836	52.049	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	416092	52.563	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	413685	54.005	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	238825	49.790	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	242127	48.760	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	241614	49.800	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.993	75	38319	46.818	ug/L	99
69) 1,3,5-Trichlorobenzene	13.214	180	176851	49.803	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	143026	48.041	ug/L	97
71) Naphthalene	14.082	128	406097	47.466	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	153363	48.744	ug/L	99

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

