

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053448.D
 Acq On : 28 Mar 2023 20:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050176

Quant Time: Mar 29 01:16:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 29 01:10:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	213070	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	203547	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	104667	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	96238	48.959	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.920%
7) Chloroethane-d5	1.912	69	74631	46.938	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.880%
11) 1,1-Dichloroethene-d2	2.568	63	152217	44.701	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.400%
21) 2-Butanone-d5	4.623	46	110391	121.083	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.080%
24) Chloroform-d	5.057	84	151346	46.746	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.500%
26) 1,2-Dichloroethane-d4	5.697	65	97943	48.711	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.420%
32) Benzene-d6	5.722	84	302023	45.746	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.500%
36) 1,2-Dichloropropane-d6	6.684	67	102081	47.907	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.820%
41) Toluene-d8	7.893	98	278402	45.292	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.580%
43) trans-1,3-Dichloroprop...	8.176	79	47720	45.391	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.780%
47) 2-Hexanone-d5	8.629	63	64774	97.234	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.230%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	140854	51.029	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.060%
66) 1,2-Dichlorobenzene-d4	12.188	152	105542	52.077	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	91048	40.938	ug/L	99
3) Chloromethane	1.520	50	99127	48.370	ug/L	100
5) Vinyl chloride	1.604	62	103293	46.076	ug/L	100
6) Bromomethane	1.858	94	61445	45.598	ug/L	97
8) Chloroethane	1.932	64	61605	46.522	ug/L	98
9) Trichlorofluoromethane	2.137	101	125119	44.732	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	74497	44.029	ug/L	94
12) 1,1-Dichloroethene	2.578	96	67352	43.043	ug/L	91
13) Acetone	2.633	43	76753	73.918	ug/L	92
14) Carbon disulfide	2.793	76	184997	39.034	ug/L	99
15) Methyl Acetate	2.948	43	85505	60.078	ug/L	94
16) Methylene chloride	3.044	84	80667	42.494	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	69434	43.733	ug/L	96
18) Methyl tert-butyl Ether	3.356	73	243914	45.688	ug/L	97
19) 1,1-Dichloroethane	3.864	63	145896	45.017	ug/L	100
20) cis-1,2-Dichloroethene	4.661	96	83522	44.789	ug/L	99
22) 2-Butanone	4.700	43	119612	101.113	ug/L	91
23) Bromochloromethane	4.967	128	41723	46.924	ug/L	91
25) Chloroform	5.083	83	148688	45.848	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	119189	46.557	ug/L	100
29) Cyclohexane	5.385	56	127420	42.012	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	121710	43.868	ug/L	99
31) Carbon tetrachloride	5.520	117	96372	42.398	ug/L	96
33) Benzene	5.771	78	315117	44.654	ug/L	100
34) Trichloroethene	6.536	95	80727	43.873	ug/L	93
35) Methylcyclohexane	6.758	83	125984	39.061	ug/L	96
37) 1,2-Dichloropropane	6.787	63	90948	46.194	ug/L	99
38) Bromodichloromethane	7.102	83	107767	43.984	ug/L	97
39) cis-1,3-Dichloropropene	7.603	75	139837	43.231	ug/L	100
40) 4-Methyl-2-pentanone	7.784	43	242861	120.012	ug/L	93
42) Toluene	7.964	91	340094	44.828	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	129723	43.873	ug/L	97
45) 1,1,2-Trichloroethane	8.394	97	84819	47.313	ug/L	98
46) Tetrachloroethene	8.549	164	57223	47.801	ug/L	97
48) 2-Hexanone	8.677	43	187899	110.882	ug/L	94
49) Dibromochloromethane	8.803	129	79090	43.128	ug/L	99
50) 1,2-Dibromoethane	8.918	107	90402	47.325	ug/L	96
51) Chlorobenzene	9.443	112	214705	45.408	ug/L	99
52) Ethylbenzene	9.565	91	380530	44.230	ug/L	99
53) m,p-Xylene	9.690	106	139432	43.422	ug/L	98
54) o-Xylene	10.095	106	139905	44.052	ug/L	99
55) Styrene	10.108	104	241350	45.597	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	144219	49.067	ug/L	98
59) Bromoform	10.285	173	59665	50.092	ug/L	100
60) 1,2,3-Trichloropropane	10.816	75	108355	52.098	ug/L	98
61) Isopropylbenzene	10.478	105	372990	45.102	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	302993	44.262	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	295334	44.262	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	170771	49.237	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	171459	49.244	ug/L	94
67) 1,2-Dichlorobenzene	12.208	146	168948	48.737	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.989	75	28596	49.721	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	117140	53.271	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	109515	55.428	ug/L	97
71) Naphthalene	14.082	128	376058	56.469	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	109435	58.406	ug/L	98

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

