

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022024\
 Data File : VU057889.D
 Acq On : 20 Feb 2024 08:59
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050146

Quant Time: Feb 21 00:06:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 20 01:26:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	282828	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	268846	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	133648	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	93666	45.744	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.480%
7) Chloroethane-d5	1.891	69	71777	47.427	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.860%
11) 1,1-Dichloroethene-d2	2.557	63	178483	46.772	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.540%
21) 2-Butanone-d5	4.608	46	88780	114.114	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.110%
24) Chloroform-d	5.052	84	163511	47.093	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.180%
26) 1,2-Dichloroethane-d4	5.689	65	102750	47.208	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.420%
32) Benzene-d6	5.718	84	329136	48.851	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.700%
36) 1,2-Dichloropropane-d6	6.682	67	103933	47.774	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.540%
41) Toluene-d8	7.891	98	297578	48.793	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.580%
43) trans-1,3-Dichloroprop...	8.171	79	50029	48.290	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.580%
47) 2-Hexanone-d5	8.627	63	69361	82.933	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.930%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	129788	43.234	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.460%
66) 1,2-Dichlorobenzene-d4	12.187	152	103298	47.733	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	138887	44.794	ug/L	98
3) Chloromethane	1.515	50	132705	42.094	ug/L	99
5) Vinyl chloride	1.602	62	134614	43.241	ug/L	100
6) Bromomethane	1.827	94	56093	46.148	ug/L	95
8) Chloroethane	1.914	64	78453	43.091	ug/L	98
9) Trichlorofluoromethane	2.126	101	169008	44.367	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	101992	46.068	ug/L	99
12) 1,1-Dichloroethene	2.570	96	90833	44.356	ug/L	97
13) Acetone	2.608	43	135529	94.086	ug/L	97
14) Carbon disulfide	2.782	76	299389	44.674	ug/L	100
15) Methyl Acetate	2.933	43	90186	38.457	ug/L	97
16) Methylene chloride	3.033	84	103306	38.705	ug/L	99
17) trans-1,2-Dichloroethene	3.341	96	94154	44.318	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	323714	43.765	ug/L	99
19) 1,1-Dichloroethane	3.856	63	196308	44.568	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	106452	43.678	ug/L	99
22) 2-Butanone	4.685	43	154527	88.545	ug/L	98
23) Bromochloromethane	4.962	128	52180	44.065	ug/L	97
25) Chloroform	5.075	83	191607	44.057	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	155628	43.007	ug/L	98
29) Cyclohexane	5.377	56	184485	46.625	ug/L	100
30) 1,1,1-Trichloroethane	5.303	97	164842	45.500	ug/L	99
31) Carbon tetrachloride	5.515	117	143734	46.200	ug/L	100
33) Benzene	5.763	78	419000	44.684	ug/L	100
34) Trichloroethene	6.534	95	109796	45.551	ug/L	96
35) Methylcyclohexane	6.753	83	185377	47.337	ug/L	100
37) 1,2-Dichloropropane	6.782	63	116214	43.922	ug/L	100
38) Bromodichloromethane	7.097	83	141398	44.503	ug/L	98
39) cis-1,3-Dichloropropene	7.599	75	183838	45.466	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	260456	78.201	ug/L	99
42) Toluene	7.962	91	437893	45.123	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	170043	45.316	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	100511	42.753	ug/L	98
46) Tetrachloroethene	8.547	164	76893	46.354	ug/L	95
48) 2-Hexanone	8.679	43	222560	81.869	ug/L	99
49) Dibromochloromethane	8.801	129	104294	44.546	ug/L	98
50) 1,2-Dibromoethane	8.917	107	103711	41.897	ug/L	98
51) Chlorobenzene	9.441	112	272488	44.156	ug/L	98
52) Ethylbenzene	9.563	91	491514	45.169	ug/L	99
53) m,p-Xylene	9.688	106	183979	46.491	ug/L	97
54) o-Xylene	10.094	106	177666	45.439	ug/L	95
55) Styrene	10.110	104	301891	45.025	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	161249	40.263	ug/L	99
59) Bromoform	10.287	173	72724	44.328	ug/L #	97
60) 1,2,3-Trichloropropane	10.817	75	128332	41.446	ug/L	99
61) Isopropylbenzene	10.476	105	485889	46.521	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	417324	46.377	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	420615	46.518	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	209220	45.305	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	207982	44.210	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	204534	45.019	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	27974	38.052	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	141517	45.562	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	111455	44.568	ug/L	100
71) Naphthalene	14.081	128	244938	36.883	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	93514	40.712	ug/L	98

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

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