

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102623\
 Data File : VU055892.D
 Acq On : 26 Oct 2023 09:16
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050126

Quant Time: Oct 27 02:41:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 26 01:50:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	621520	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	608174	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	332512	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	255565	45.843	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.680%
7) Chloroethane-d5	1.907	69	206314	45.275	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.540%
11) 1,1-Dichloroethene-d2	2.567	63	460263	46.303	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.600%
21) 2-Butanone-d5	4.615	46	269115	65.148	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	65.150%
24) Chloroform-d	5.058	84	479803	44.894	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.780%
26) 1,2-Dichloroethane-d4	5.698	65	291559	44.322	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.640%
32) Benzene-d6	5.724	84	967966	49.744	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.480%
36) 1,2-Dichloropropane-d6	6.689	67	298303	48.424	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.840%
41) Toluene-d8	7.894	98	892511	50.795	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.600%
43) trans-1,3-Dichloroprop...	8.177	79	142349	48.104	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.200%
47) 2-Hexanone-d5	8.627	63	227341	93.874	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.870%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	425054	44.827	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.660%
66) 1,2-Dichlorobenzene-d4	12.190	152	343153	52.005	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	229658	44.378	ug/L	100
3) Chloromethane	1.522	50	229342	46.835	ug/L	100
5) Vinyl chloride	1.605	62	249813	46.357	ug/L	98
6) Bromomethane	1.850	94	141705	41.134	ug/L	96
8) Chloroethane	1.930	64	159393	45.093	ug/L	99
9) Trichlorofluoromethane	2.136	101	358520	46.565	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	242017	48.877	ug/L	97
12) 1,1-Dichloroethene	2.579	96	214746	48.737	ug/L	90
13) Acetone	2.615	43	295486	77.083	ug/L	96
14) Carbon disulfide	2.792	76	578543	43.146	ug/L	99
15) Methyl Acetate	2.940	43	219781	37.437	ug/L	96
16) Methylene chloride	3.042	84	268046	50.164	ug/L	92
17) trans-1,2-Dichloroethene	3.351	96	219656	48.752	ug/L	93
18) Methyl tert-butyl Ether	3.358	73	751360	51.854	ug/L	98
19) 1,1-Dichloroethane	3.866	63	434863	47.064	ug/L	98
20) cis-1,2-Dichloroethene	4.663	96	257414	50.059	ug/L	95
22) 2-Butanone	4.692	43	337737	73.097	ug/L	99
23) Bromochloromethane	4.972	128	130318	48.934	ug/L	96
25) Chloroform	5.084	83	466434	48.324	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	345289	44.727	ug/L	97
29) Cyclohexane	5.386	56	377896	54.210	ug/L	98
30) 1,1,1-Trichloroethane	5.312	97	398837	50.760	ug/L	97
31) Carbon tetrachloride	5.521	117	346325	50.356	ug/L	98
33) Benzene	5.769	78	984111	51.190	ug/L	100
34) Trichloroethene	6.541	95	260640	49.549	ug/L	98
35) Methylcyclohexane	6.759	83	413008	54.115	ug/L	100
37) 1,2-Dichloropropane	6.788	63	268818	50.779	ug/L	99
38) Bromodichloromethane	7.103	83	346933	49.695	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	426093	52.905	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	610513	82.897	ug/L	95
42) Toluene	7.968	91	1065405	52.520	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	394199	51.155	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	259547	49.722	ug/L	98
46) Tetrachloroethene	8.550	164	197110	52.337	ug/L	97
48) 2-Hexanone	8.679	43	513754	82.588	ug/L	96
49) Dibromochloromethane	8.808	129	270240	50.667	ug/L	99
50) 1,2-Dibromoethane	8.920	107	272380	48.581	ug/L	97
51) Chlorobenzene	9.444	112	676237	51.523	ug/L	99
52) Ethylbenzene	9.566	91	1184411	53.405	ug/L	99
53) m,p-Xylene	9.692	106	460778	55.457	ug/L	98
54) o-Xylene	10.097	106	441958	54.968	ug/L	98
55) Styrene	10.113	104	767602	56.356	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	426833	47.754	ug/L	99
59) Bromoform	10.287	173	208023	50.821	ug/L	96
60) 1,2,3-Trichloropropane	10.820	75	328258	45.487	ug/L	98
61) Isopropylbenzene	10.483	105	1201364	57.955	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	1023068	60.994	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	1029459	62.069	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	554270	54.090	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	558316	52.993	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	551417	54.224	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	90759	42.067	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	396039	57.941	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	338250	59.411	ug/L	100
71) Naphthalene	14.084	128	956215	56.539	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	323884	57.699	ug/L	98

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

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