

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041023\
 Data File : VU053607.D
 Acq On : 10 Apr 2023 09:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050191

Quant Time: Apr 11 02:14:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	270185	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	251374	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	132542	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	97834	46.503	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.000%
7) Chloroethane-d5	1.912	69	82289	50.730	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.460%
11) 1,1-Dichloroethene-d2	2.568	63	153498	47.134	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.260%
21) 2-Butanone-d5	4.617	46	95834	100.611	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.610%
24) Chloroform-d	5.057	84	172476	49.571	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.140%
26) 1,2-Dichloroethane-d4	5.697	65	105172	51.155	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.300%
32) Benzene-d6	5.723	84	345164	50.870	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.740%
36) 1,2-Dichloropropane-d6	6.687	67	106139	51.177	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.360%
41) Toluene-d8	7.893	98	321460	47.666	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.340%
43) trans-1,3-Dichloroprop...	8.176	79	44286	41.367	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.740%
47) 2-Hexanone-d5	8.626	63	66944	94.579	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.580%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	146109	49.984	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.960%
66) 1,2-Dichlorobenzene-d4	12.189	152	126848	45.849	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	94298	43.001	ug/L	99
3) Chloromethane	1.520	50	92245	51.192	ug/L	98
5) Vinyl chloride	1.604	62	105225	50.387	ug/L	100
6) Bromomethane	1.855	94	65560	43.145	ug/L	100
8) Chloroethane	1.932	64	65414	52.080	ug/L	95
9) Trichlorofluoromethane	2.138	101	150687	46.913	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	79811	42.903	ug/L	92
12) 1,1-Dichloroethene	2.581	96	74193	44.752	ug/L	96
13) Acetone	2.626	43	57391	67.043	ug/L	95
14) Carbon disulfide	2.793	76	197091	44.941	ug/L	97
15) Methyl Acetate	2.945	43	75719	57.749	ug/L	95
16) Methylene chloride	3.044	84	84245	45.210	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	75082	45.063	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	236758	48.751	ug/L	98
19) 1,1-Dichloroethane	3.864	63	140307	50.836	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	88781	46.132	ug/L	90
22) 2-Butanone	4.700	43	87209	84.091	ug/L	96
23) Bromochloromethane	4.970	128	47006	43.850	ug/L	89
25) Chloroform	5.083	83	156347	49.389	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	114202	49.260	ug/L	98
29) Cyclohexane	5.385	56	119583	49.416	ug/L	95
30) 1,1,1-Trichloroethane	5.311	97	133549	48.216	ug/L	97
31) Carbon tetrachloride	5.523	117	118301	47.671	ug/L	99
33) Benzene	5.771	78	324148	49.493	ug/L	100
34) Trichloroethene	6.539	95	93523	47.213	ug/L	94
35) Methylcyclohexane	6.761	83	128665	44.189	ug/L	99
37) 1,2-Dichloropropane	6.787	63	84358	50.727	ug/L	99
38) Bromodichloromethane	7.102	83	112077	50.519	ug/L	97
39) cis-1,3-Dichloropropene	7.604	75	110827	40.782	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	172711	95.570	ug/L	99
42) Toluene	7.967	91	352799	47.534	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	109162	42.491	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	89682	49.118	ug/L	98
46) Tetrachloroethene	8.549	164	66084	40.202	ug/L	94
48) 2-Hexanone	8.681	43	123689	84.611	ug/L	99
49) Dibromochloromethane	8.806	129	89101	46.932	ug/L	96
50) 1,2-Dibromoethane	8.919	107	93900	45.967	ug/L	99
51) Chlorobenzene	9.443	112	230558	45.085	ug/L	95
52) Ethylbenzene	9.565	91	381208	46.139	ug/L	99
53) m,p-Xylene	9.690	106	149322	46.210	ug/L	98
54) o-Xylene	10.095	106	146453	45.841	ug/L	100
55) Styrene	10.111	104	241392	46.388	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	131515	49.059	ug/L	97
59) Bromoform	10.285	173	64289	47.388	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	102384	53.275	ug/L	98
61) Isopropylbenzene	10.481	105	384800	49.105	ug/L	98
62) 1,3,5-Trimethylbenzene	11.082	105	316103	48.525	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	315003	48.823	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	178361	43.560	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	179510	43.015	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	181251	44.414	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	27466	53.610	ug/L	92
69) 1,3,5-Trichlorobenzene	13.214	180	116961	38.573	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	108756	38.686	ug/L	99
71) Naphthalene	14.082	128	359576	42.733	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	112308	39.997	ug/L	98

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

