

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062222\
 Data File : VU049340.D
 Acq On : 22 Jun 2022 09:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050154

Quant Time: Jun 23 02:00:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 21 01:08:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	259614	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	246008	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	130782	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	75083	46.946	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.900%
7) Chloroethane-d5	1.909	69	54137	46.101	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.200%
11) 1,1-Dichloroethene-d2	2.568	63	149379	49.498	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.000%
21) 2-Butanone-d5	4.623	46	193777	110.508	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.510%
24) Chloroform-d	5.063	84	174002	51.000	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.000%
26) 1,2-Dichloroethane-d4	5.703	65	106829	48.330	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.660%
32) Benzene-d6	5.729	84	309308	50.705	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.400%
36) 1,2-Dichloropropane-d6	6.690	67	113118	55.160	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.320%
41) Toluene-d8	7.899	98	283812	52.755	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.500%
43) trans-1,3-Dichloroprop...	8.179	79	54147	56.124	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.240%
47) 2-Hexanone-d5	8.632	63	126567	117.924	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.920%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	173846	50.756	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.520%
66) 1,2-Dichlorobenzene-d4	12.192	152	113330	49.804	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	101018	44.093	ug/L	99
3) Chloromethane	1.523	50	100956	41.806	ug/L	98
5) Vinyl chloride	1.604	62	105125	45.921	ug/L	96
6) Bromomethane	1.854	94	42177	33.307	ug/L	99
8) Chloroethane	1.932	64	61017	47.722	ug/L	96
9) Trichlorofluoromethane	2.137	101	148239	46.009	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	89027	48.677	ug/L	97
12) 1,1-Dichloroethene	2.578	96	77453	48.379	ug/L	96
13) Acetone	2.633	43	160773	116.517	ug/L	100
14) Carbon disulfide	2.793	76	187739	46.114	ug/L	99
15) Methyl Acetate	2.948	43	141037	51.535	ug/L	97
16) Methylene chloride	3.044	84	103801	49.789	ug/L	92
17) trans-1,2-Dichloroethene	3.353	96	83141	47.231	ug/L	95
18) Methyl tert-butyl Ether	3.362	73	319639	48.539	ug/L	97
19) 1,1-Dichloroethane	3.870	63	185336	48.873	ug/L	100
20) cis-1,2-Dichloroethene	4.668	96	102215	47.729	ug/L	95
22) 2-Butanone	4.703	43	227624	107.348	ug/L	99
23) Bromochloromethane	4.976	128	51563	45.874	ug/L	88
25) Chloroform	5.089	83	190099	48.100	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	148933	46.292	ug/L	100
29) Cyclohexane	5.391	56	153277	55.673	ug/L	94
30) 1,1,1-Trichloroethane	5.317	97	162167	47.268	ug/L	98
31) Carbon tetrachloride	5.526	117	137020	45.666	ug/L	99
33) Benzene	5.774	78	404403	50.740	ug/L	100
34) Trichloroethene	6.542	95	101291	50.419	ug/L	94
35) Methylcyclohexane	6.764	83	156009	55.633	ug/L	96
37) 1,2-Dichloropropane	6.790	63	115824	51.535	ug/L	98
38) Bromodichloromethane	7.105	83	146483	49.090	ug/L	97
39) cis-1,3-Dichloropropene	7.607	75	174295	52.704	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	402527	106.306	ug/L	97
42) Toluene	7.970	91	429113	52.090	ug/L	97
44) trans-1,3-Dichloropropene	8.211	75	167921	51.279	ug/L	99
45) 1,1,2-Trichloroethane	8.401	97	106678	48.984	ug/L	97
46) Tetrachloroethene	8.552	164	75368	48.390	ug/L	98
48) 2-Hexanone	8.684	43	331258	107.612	ug/L	96
49) Dibromochloromethane	8.809	129	115182	47.501	ug/L	96
50) 1,2-Dibromoethane	8.925	107	115010	50.199	ug/L	97
51) Chlorobenzene	9.446	112	269383	48.375	ug/L	96
52) Ethylbenzene	9.571	91	474445	52.970	ug/L	99
53) m,p-Xylene	9.693	106	177747	50.535	ug/L	88
54) o-Xylene	10.102	106	173982	49.095	ug/L	87
55) Styrene	10.115	104	304484	51.451	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	195226	48.103	ug/L	98
59) Bromoform	10.291	173	86310	44.719	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	156057	47.043	ug/L	97
61) Isopropylbenzene	10.484	105	471193	53.041	ug/L	98
62) 1,3,5-Trimethylbenzene	11.089	105	411344	54.236	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	322759	53.453	ug/L	97
64) 1,3-Dichlorobenzene	11.745	146	213541	49.003	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	211792	48.003	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	213092	47.120	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.995	75	49352	45.075	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	159935	51.375	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	138960	52.787	ug/L	98
71) Naphthalene	14.085	128	452001	48.532	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	141775	50.914	ug/L	99

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

