

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051123\
 Data File : VU054150.D
 Acq On : 11 May 2023 09:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050100

Quant Time: May 12 08:40:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 06 01:14:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	260103	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	245228	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	134689	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	75589	38.425	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.840%
7) Chloroethane-d5	1.909	69	53207	41.204	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.400%
11) 1,1-Dichloroethene-d2	2.565	63	142311	40.787	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.580%
21) 2-Butanone-d5	4.620	46	98069	87.409	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.410%
24) Chloroform-d	5.057	84	163153	45.158	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.320%
26) 1,2-Dichloroethane-d4	5.697	65	103128	44.456	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.920%
32) Benzene-d6	5.723	84	302234	41.870	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.740%
36) 1,2-Dichloropropane-d6	6.684	67	98033	43.021	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.040%
41) Toluene-d8	7.893	98	280912	43.105	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.220%
43) trans-1,3-Dichloroprop...	8.173	79	48205	42.746	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.500%
47) 2-Hexanone-d5	8.629	63	67048	82.148	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.150%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	138101	46.009	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.020%
66) 1,2-Dichlorobenzene-d4	12.189	152	122888	46.704	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	86071	45.865	ug/L	100
3) Chloromethane	1.520	50	81530	47.272	ug/L	99
5) Vinyl chloride	1.604	62	89793	48.949	ug/L	97
6) Bromomethane	1.855	94	45592	44.585	ug/L	99
8) Chloroethane	1.929	64	49068	49.086	ug/L	99
9) Trichlorofluoromethane	2.134	101	147078	50.525	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	85358	49.029	ug/L	97
12) 1,1-Dichloroethene	2.578	96	73498	48.714	ug/L	89
13) Acetone	2.633	43	72865	66.166	ug/L	99
14) Carbon disulfide	2.790	76	159053	47.497	ug/L	99
15) Methyl Acetate	2.945	43	84037	48.728	ug/L	99
16) Methylene chloride	3.044	84	95234	50.048	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	75845	49.162	ug/L	95
18) Methyl tert-butyl Ether	3.356	73	283361	49.960	ug/L	98
19) 1,1-Dichloroethane	3.861	63	162637	49.099	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	94326	49.754	ug/L	96
22) 2-Butanone	4.700	43	111640	85.867	ug/L	95
23) Bromochloromethane	4.967	128	50128	51.001	ug/L	97
25) Chloroform	5.080	83	178916	51.185	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	136237	50.671	ug/L	100
29) Cyclohexane	5.385	56	115288	45.489	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	154029	50.392	ug/L	99
31) Carbon tetrachloride	5.520	117	132562	50.835	ug/L	100
33) Benzene	5.768	78	345027	48.338	ug/L	100
34) Trichloroethene	6.536	95	93388	49.295	ug/L	99
35) Methylcyclohexane	6.758	83	118361	44.548	ug/L	99
37) 1,2-Dichloropropane	6.784	63	97571	48.317	ug/L	99
38) Bromodichloromethane	7.099	83	129026	50.714	ug/L	100
39) cis-1,3-Dichloropropene	7.604	75	147884	46.813	ug/L	97
40) 4-Methyl-2-pentanone	7.787	43	229322	97.445	ug/L	99
42) Toluene	7.964	91	370311	49.835	ug/L	97
44) trans-1,3-Dichloropropene	8.205	75	141121	47.005	ug/L	98
45) 1,1,2-Trichloroethane	8.395	97	98843	50.569	ug/L	97
46) Tetrachloroethene	8.549	164	71414	47.516	ug/L	99
48) 2-Hexanone	8.681	43	174112	93.356	ug/L	99
49) Dibromochloromethane	8.806	129	101373	52.632	ug/L	99
50) 1,2-Dibromoethane	8.919	107	102429	51.629	ug/L	98
51) Chlorobenzene	9.443	112	252634	50.831	ug/L	100
52) Ethylbenzene	9.565	91	416269	49.773	ug/L	100
53) m,p-Xylene	9.690	106	161548	51.441	ug/L	99
54) o-Xylene	10.095	106	158900	51.719	ug/L	97
55) Styrene	10.108	104	278745	52.895	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	153646	49.900	ug/L	100
59) Bromoform	10.285	173	78371	51.973	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	122223	48.854	ug/L	99
61) Isopropylbenzene	10.481	105	420784	49.491	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	348831	50.069	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	345160	50.262	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	208619	50.170	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	209458	49.460	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	210594	50.181	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	31115	48.750	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	147449	48.934	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	131732	48.224	ug/L	99
71) Naphthalene	14.082	128	383638	48.419	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	136145	50.102	ug/L	99

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

