

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100921\
 Data File : VU045274.D
 Acq On : 09 Oct 2021 19:48
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050100

Quant Time: Oct 11 01:49:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 11 01:47:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	281395	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	275180	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	137194	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	138651	45.010	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.020%
7) Chloroethane-d5	1.893	69	110341	45.202	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.565	63	232243	44.894	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.780%
21) 2-Butanone-d5	4.626	46	209581	86.059	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.060%
24) Chloroform-d	5.067	84	225550	46.359	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.720%
26) 1,2-Dichloroethane-d4	5.707	65	150781	45.753	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.500%
32) Benzene-d6	5.732	84	456738	47.833	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.660%
36) 1,2-Dichloropropane-d6	6.694	67	145871	46.851	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.700%
41) Toluene-d8	7.903	98	399873	48.526	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.060%
43) trans-1,3-Dichloroprop...	8.182	79	67426	48.684	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.360%
47) 2-Hexanone-d5	8.636	63	148740	86.206	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.210%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	224114	46.225	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.460%
66) 1,2-Dichlorobenzene-d4	12.195	152	146411	49.037	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	129626	48.110	ug/L	99
3) Chloromethane	1.523	50	142735	42.501	ug/L	100
5) Vinyl chloride	1.604	62	157612	47.902	ug/L	97
6) Bromomethane	1.832	94	58672	37.178	ug/L	100
8) Chloroethane	1.919	64	100850	48.836	ug/L	99
9) Trichlorofluoromethane	2.131	101	181300	48.141	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	113633	47.805	ug/L	99
12) 1,1-Dichloroethene	2.578	96	106601	48.920	ug/L	86
13) Acetone	2.633	43	151650	53.870	ug/L	99
14) Carbon disulfide	2.790	76	314534	45.055	ug/L	100
15) Methyl Acetate	2.951	43	156360	45.036	ug/L	98
16) Methylene chloride	3.047	84	133329	48.296	ug/L	95
17) trans-1,2-Dichloroethene	3.353	96	113906	49.622	ug/L	95
18) Methyl tert-butyl Ether	3.369	73	406558	53.713	ug/L	98
19) 1,1-Dichloroethane	3.874	63	233555	48.907	ug/L	100
20) cis-1,2-Dichloroethene	4.668	96	131670	52.055	ug/L	91
22) 2-Butanone	4.707	43	233464	74.099	ug/L	97
23) Bromochloromethane	4.980	128	62797	48.973	ug/L	96
25) Chloroform	5.092	83	233142	49.108	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	193620	48.761	ug/L	100
29) Cyclohexane	5.391	56	206889	50.018	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	189567	49.765	ug/L	99
31) Carbon tetrachloride	5.526	117	145027	48.204	ug/L	98
33) Benzene	5.777	78	519202	50.871	ug/L	100
34) Trichloroethene	6.546	95	123788	50.496	ug/L	96
35) Methylcyclohexane	6.768	83	204893	49.922	ug/L	99
37) 1,2-Dichloropropane	6.793	63	137975	49.652	ug/L	99
38) Bromodichloromethane	7.108	83	172883	50.754	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	201056	50.566	ug/L	100
40) 4-Methyl-2-pentanone	7.796	43	449213	96.770	ug/L	97
42) Toluene	7.973	91	540841	52.154	ug/L	98
44) trans-1,3-Dichloropropene	8.214	75	196610	52.003	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	131686	52.291	ug/L	99
46) Tetrachloroethene	8.555	164	85965	49.061	ug/L	97
48) 2-Hexanone	8.687	43	351521	85.395	ug/L	98
49) Dibromochloromethane	8.812	129	124071	49.815	ug/L	99
50) 1,2-Dibromoethane	8.928	107	136577	51.798	ug/L	99
51) Chlorobenzene	9.449	112	328890	51.372	ug/L	99
52) Ethylbenzene	9.575	91	583155	53.232	ug/L	99
53) m,p-Xylene	9.697	106	224093	53.998	ug/L	98
54) o-xylene	10.105	106	223938	54.913	ug/L	100
55) Styrene	10.118	104	385138	54.917	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.787	83	236208	48.986	ug/L	99
59) Bromoform	10.295	173	88465	51.992	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	191947	50.585	ug/L	100
61) Isopropylbenzene	10.488	105	574109	57.179	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	486459	58.014	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	492632	57.373	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	243826	52.548	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	243314	51.109	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	249321	52.341	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	50399	46.218	ug/L	99
69) 1,3,5-Trichlorobenzene	13.221	180	164555	51.102	ug/L	98
70) 1,2,4-trichlorobenzene	13.844	180	137009	51.201	ug/L	99
71) Naphthalene	14.089	128	494985	53.380	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	138305	50.517	ug/L	100

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

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