

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101121\
 Data File : VU045281.D
 Acq On : 11 Oct 2021 14:49
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050102

Quant Time: Oct 12 05:52:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 12 05:50:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	272906	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	269623	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	137093	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	130135	43.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.12%
7) Chloroethane-d5	1.890	69	106475	44.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.96%
11) 1,1-Dichloroethene-d2	2.565	63	227342	45.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.62%
21) 2-Butanone-d5	4.626	46	209972	88.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.90%
24) Chloroform-d	5.070	84	225652	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.64%
26) 1,2-Dichloroethane-d4	5.707	65	149350	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.46%
32) Benzene-d6	5.732	84	451277	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.46%
36) 1,2-Dichloropropane-d6	6.697	67	143639	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.18%
41) Toluene-d8	7.903	98	404825	50.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.28%
43) trans-1,3-Dichloroprop...	8.182	79	69835	51.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.92%
47) 2-Hexanone-d5	8.639	63	152590	90.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.26%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	230496	48.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.04%
66) 1,2-Dichlorobenzene-d4	12.198	152	151254	50.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.40%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	127743	48.89	ug/L	99
3) Chloromethane	1.520	50	140375	43.10	ug/L	100
5) Vinyl chloride	1.604	62	155821	48.83	ug/L	98
6) Bromomethane	1.829	94	44505	29.08	ug/L	98
8) Chloroethane	1.916	64	100129	50.00	ug/L	99
9) Trichlorofluoromethane	2.128	101	183262	50.18	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	117108	50.80	ug/L	98
12) 1,1-Dichloroethene	2.575	96	108628	51.40	ug/L	92
13) Acetone	2.633	43	221640	81.18	ug/L	99
14) Carbon disulfide	2.790	76	317086	46.83	ug/L	100
15) Methyl Acetate	2.951	43	156099	46.36	ug/L	98
16) Methylene chloride	3.047	84	139814	52.22	ug/L	94
17) trans-1,2-Dichloroethene	3.353	96	114861	51.59	ug/L	98
18) Methyl tert-butyl Ether	3.369	73	412972	56.26	ug/L	98
19) 1,1-Dichloroethane	3.871	63	235940	50.94	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	132497	54.01	ug/L	94
22) 2-Butanone	4.707	43	266200	87.12	ug/L	97
23) Bromochloromethane	4.980	128	64794	52.10	ug/L	97
25) Chloroform	5.092	83	238665	51.84	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	199369	51.77	ug/L	99
29) Cyclohexane	5.391	56	212123	52.34	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	191975	51.44	ug/L	98
31) Carbon tetrachloride	5.530	117	148178	50.27	ug/L	99
33) Benzene	5.777	78	525435	52.54	ug/L	100
34) Trichloroethene	6.546	95	126617	52.71	ug/L	99
35) Methylcyclohexane	6.768	83	211434	52.58	ug/L	98
37) 1,2-Dichloropropane	6.797	63	141223	51.87	ug/L	99
38) Bromodichloromethane	7.112	83	176333	52.83	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	213540	54.81	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	457864	100.67	ug/L	97
42) Toluene	7.973	91	552456	54.37	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	204954	55.33	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	134020	54.31	ug/L	98
46) Tetrachloroethene	8.559	164	87537	50.99	ug/L	99
48) 2-Hexanone	8.690	43	380731	94.40	ug/L	98
49) Dibromochloromethane	8.816	129	130968	53.67	ug/L	98
50) 1,2-Dibromoethane	8.928	107	139150	53.86	ug/L	100
51) Chlorobenzene	9.452	112	339357	54.10	ug/L	100
52) Ethylbenzene	9.575	91	601056	56.00	ug/L	99
53) m,p-Xylene	9.697	106	233010	57.30	ug/L	98
54) o-xylene	10.105	106	230353	57.65	ug/L	100
55) Styrene	10.118	104	398320	57.97	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	244935	51.84	ug/L	100
59) Bromoform	10.298	173	93754	55.14	ug/L	99
60) 1,2,3-Trichloropropane	10.829	75	198734	52.41	ug/L	100
61) Isopropylbenzene	10.488	105	593314	59.14	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	512514	61.17	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	520723	60.69	ug/L	100
64) 1,3-Dichlorobenzene	11.751	146	258397	55.73	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	258091	54.25	ug/L	99
67) 1,2-Dichlorobenzene	12.218	146	261661	54.97	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	53732	49.31	ug/L	97
69) 1,3,5-Trichlorobenzene	13.224	180	175341	54.49	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	144455	54.02	ug/L	99
71) Naphthalene	14.089	128	512065	55.26	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	144302	52.75	ug/L	100

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

