

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071322\
 Data File : VU049706.D
 Acq On : 13 Jul 2022 16:37
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050162

Quant Time: Jul 14 05:10:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 14 05:07:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	204822	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	197087	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	97941	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	68862	39.847	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.700%
7) Chloroethane-d5	1.896	69	52653	42.150	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.300%
11) 1,1-Dichloroethene-d2	2.562	63	128370	42.053	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.100%
21) 2-Butanone-d5	4.620	46	169462	114.867	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.870%
24) Chloroform-d	5.060	84	156653	51.179	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.360%
26) 1,2-Dichloroethane-d4	5.700	65	106061	51.198	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.400%
32) Benzene-d6	5.726	84	279505	46.682	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.360%
36) 1,2-Dichloropropane-d6	6.690	67	99988	49.648	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.300%
41) Toluene-d8	7.896	98	245540	47.091	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.180%
43) trans-1,3-Dichloroprop...	8.179	79	41170	48.520	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.040%
47) 2-Hexanone-d5	8.632	63	103318	114.048	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.050%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	152481	54.111	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.220%
66) 1,2-Dichlorobenzene-d4	12.195	152	90140	48.813	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.620%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	101203	41.220	ug/L	99
3) Chloromethane	1.523	50	136887	50.801	ug/L	99
5) Vinyl chloride	1.601	62	109489	44.966	ug/L	99
6) Bromomethane	1.832	94	56507	50.228	ug/L	100
8) Chloroethane	1.919	64	60640	44.957	ug/L	99
9) Trichlorofluoromethane	2.128	101	131773	43.822	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	65441	41.474	ug/L	99
12) 1,1-Dichloroethene	2.575	96	65605	44.799	ug/L	97
13) Acetone	2.623	43	120524	85.963	ug/L	98
14) Carbon disulfide	2.787	76	200253	40.551	ug/L	100
15) Methyl Acetate	2.945	43	128675	56.491	ug/L	100
16) Methylene chloride	3.041	84	94847	51.432	ug/L	99
17) trans-1,2-Dichloroethene	3.346	96	74858	46.728	ug/L	99
18) Methyl tert-butyl Ether	3.363	73	285928	52.109	ug/L	100
19) 1,1-Dichloroethane	3.867	63	168594	50.551	ug/L	100
20) cis-1,2-Dichloroethene	4.665	96	89260	49.577	ug/L	100
22) 2-Butanone	4.700	43	197812	105.381	ug/L	100
23) Bromochloromethane	4.973	128	46649	51.927	ug/L	97
25) Chloroform	5.086	83	172000	51.430	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	148460	52.133	ug/L	98
29) Cyclohexane	5.388	56	124969	40.623	ug/L	100
30) 1,1,1-Trichloroethane	5.314	97	135558	47.510	ug/L	100
31) Carbon tetrachloride	5.523	117	105568	45.237	ug/L	99
33) Benzene	5.771	78	361811	48.839	ug/L	100
34) Trichloroethene	6.539	95	83027	46.365	ug/L	97
35) Methylcyclohexane	6.761	83	112002	39.802	ug/L	97
37) 1,2-Dichloropropane	6.790	63	104411	50.849	ug/L	99
38) Bromodichloromethane	7.105	83	127266	49.990	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	143540	51.832	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	370284	111.392	ug/L	99
42) Toluene	7.970	91	362385	49.219	ug/L	100
44) trans-1,3-Dichloropropene	8.211	75	135423	52.081	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	93339	52.078	ug/L	98
46) Tetrachloroethene	8.552	164	54016	43.491	ug/L	99
48) 2-Hexanone	8.684	43	301561	113.523	ug/L	99
49) Dibromochloromethane	8.809	129	94495	52.420	ug/L	95
50) 1,2-Dibromoethane	8.925	107	94994	53.356	ug/L	100
51) Chlorobenzene	9.446	112	215087	48.240	ug/L	99
52) Ethylbenzene	9.568	91	368552	47.435	ug/L	98
53) m,p-Xylene	9.693	106	135998	48.138	ug/L	99
54) o-Xylene	10.099	106	141051	49.583	ug/L	97
55) Styrene	10.115	104	241071	51.350	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	173884	54.198	ug/L	100
59) Bromoform	10.292	173	67855	51.655	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	138416	53.058	ug/L	100
61) Isopropylbenzene	10.484	105	347694	47.543	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	302513	49.040	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	304856	49.746	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	154810	48.492	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	154406	48.149	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	164292	49.491	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.996	75	40602	53.116	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	105249	47.049	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	89412	43.554	ug/L	99
71) Naphthalene	14.086	128	344598	46.956	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	98573	46.355	ug/L	100

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

