

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090122\
 Data File : VU050575.D
 Acq On : 01 Sep 2022 12:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050186

Quant Time: Sep 02 01:58:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM083022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 01 05:15:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	229545	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	225181	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	109855	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	80968	45.991	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.980%
7) Chloroethane-d5	1.903	69	53786	39.186	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.380%
11) 1,1-Dichloroethene-d2	2.562	63	152278	51.230	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.460%
21) 2-Butanone-d5	4.626	46	125275	81.363	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.360%
24) Chloroform-d	5.060	84	173762	50.724	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.440%
26) 1,2-Dichloroethane-d4	5.700	65	107515	48.318	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.640%
32) Benzene-d6	5.726	84	341521	48.933	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.860%
36) 1,2-Dichloropropane-d6	6.690	67	110439	47.524	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.040%
41) Toluene-d8	7.896	98	311067	51.232	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.460%
43) trans-1,3-Dichloroprop...	8.179	79	50002	53.501	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.000%
47) 2-Hexanone-d5	8.636	63	56062	66.629	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	66.630%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	172762	47.662	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.320%
66) 1,2-Dichlorobenzene-d4	12.192	152	116870	49.137	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	86398	59.786	ug/L	100
3) Chloromethane	1.517	50	84624	35.346	ug/L	99
5) Vinyl chloride	1.601	62	84262	38.116	ug/L	99
6) Bromomethane	1.848	94	47123	46.540	ug/L	100
8) Chloroethane	1.922	64	48161	34.616	ug/L	98
9) Trichlorofluoromethane	2.131	101	118366	46.548	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	81430	53.794	ug/L	99
12) 1,1-Dichloroethene	2.575	96	76856	48.588	ug/L	99
13) Acetone	2.633	43	99121	82.870	ug/L	98
14) Carbon disulfide	2.787	76	203016	52.230	ug/L	99
15) Methyl Acetate	2.948	43	103561	42.188	ug/L	97
16) Methylene chloride	3.041	84	102026	39.675	ug/L	98
17) trans-1,2-Dichloroethene	3.346	96	84795	49.496	ug/L	94
18) Methyl tert-butyl Ether	3.363	73	285051	49.090	ug/L	100
19) 1,1-Dichloroethane	3.864	63	164541	47.146	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	98023	48.073	ug/L	98
22) 2-Butanone	4.703	43	159856	86.405	ug/L	95
23) Bromochloromethane	4.973	128	51951	47.600	ug/L	96
25) Chloroform	5.086	83	175953	48.835	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	136251	47.673	ug/L	100
29) Cyclohexane	5.385	56	136170	54.112	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	144937	53.125	ug/L	96
31) Carbon tetrachloride	5.523	117	119047	57.150	ug/L	97
33) Benzene	5.771	78	393481	48.101	ug/L	100
34) Trichloroethene	6.542	95	92688	49.377	ug/L	97
35) Methylcyclohexane	6.761	83	145176	57.520	ug/L	99
37) 1,2-Dichloropropane	6.790	63	104056	46.460	ug/L	99
38) Bromodichloromethane	7.105	83	129124	50.955	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	150204	50.900	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	295995	91.300	ug/L	98
42) Toluene	7.970	91	412050	50.771	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	139755	51.987	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	103893	47.791	ug/L	97
46) Tetrachloroethene	8.552	164	69427	52.872	ug/L	97
48) 2-Hexanone	8.687	43	267710	96.595	ug/L	92
49) Dibromochloromethane	8.809	129	101303	53.672	ug/L	97
50) 1,2-Dibromoethane	8.922	107	110684	49.323	ug/L	98
51) Chlorobenzene	9.446	112	257056	50.896	ug/L	99
52) Ethylbenzene	9.571	91	419284	53.375	ug/L	100
53) m,p-Xylene	9.693	106	166460	56.244	ug/L	96
54) o-Xylene	10.102	106	165578	54.997	ug/L	97
55) Styrene	10.115	104	279448	55.934	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	187583	48.362	ug/L	99
59) Bromoform	10.291	173	73809	50.180	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	147427	44.707	ug/L	99
61) Isopropylbenzene	10.484	105	411949	52.591	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	359532	55.833	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	354711	56.712	ug/L	98
64) 1,3-Dichlorobenzene	11.745	146	189363	50.664	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	186726	49.267	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	199356	49.200	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.996	75	38516	48.946	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	140250	54.835	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	117867	51.811	ug/L	99
71) Naphthalene	14.089	128	440921	47.239	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	136597	51.955	ug/L	99

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

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