

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032023\
 Data File : VU053312.D
 Acq On : 20 Mar 2023 17:31
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050168

Quant Time: Mar 21 01:32:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 21 01:25:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	113503	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	110170	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	55936	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	28414	27.135	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	54.280%#
7) Chloroethane-d5	1.912	69	36085	42.603	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.200%
11) 1,1-Dichloroethene-d2	2.568	63	64164	35.372	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.740%
21) 2-Butanone-d5	4.616	46	57890	119.198	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.200%
24) Chloroform-d	5.057	84	78751	45.661	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.320%
26) 1,2-Dichloroethane-d4	5.697	65	50923	47.543	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.080%
32) Benzene-d6	5.722	84	151832	42.490	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.980%
36) 1,2-Dichloropropane-d6	6.684	67	53471	46.364	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.720%
41) Toluene-d8	7.893	98	141009	42.384	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.760%
43) trans-1,3-Dichloroprop...	8.172	79	25425	44.682	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.360%
47) 2-Hexanone-d5	8.626	63	42397	117.585	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.590%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	81264	54.393	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.780%
66) 1,2-Dichlorobenzene-d4	12.188	152	53878	49.745	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	47593	40.171	ug/L	100
3) Chloromethane	1.520	50	45365	41.555	ug/L	97
5) Vinyl chloride	1.604	62	48934	40.976	ug/L	99
6) Bromomethane	1.858	94	31276	43.569	ug/L	94
8) Chloroethane	1.932	64	33634	47.680	ug/L	97
9) Trichlorofluoromethane	2.137	101	63556	42.655	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	36687	40.703	ug/L	100
12) 1,1-Dichloroethene	2.578	96	33678	40.403	ug/L	96
13) Acetone	2.633	43	50463	91.232	ug/L	96
14) Carbon disulfide	2.793	76	98901	39.173	ug/L	98
15) Methyl Acetate	2.948	43	36955	48.743	ug/L	99
16) Methylene chloride	3.044	84	42477	42.005	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	35568	42.054	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	124218	43.678	ug/L	99
19) 1,1-Dichloroethane	3.864	63	76668	44.408	ug/L	96
20) cis-1,2-Dichloroethene	4.661	96	41459	41.735	ug/L	98
22) 2-Butanone	4.700	43	61768	98.019	ug/L	99
23) Bromochloromethane	4.970	128	19592	41.363	ug/L	91
25) Chloroform	5.083	83	75492	43.698	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	62334	45.707	ug/L #	95
29) Cyclohexane	5.385	56	66538	40.533	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	62643	41.715	ug/L	97
31) Carbon tetrachloride	5.520	117	52464	42.644	ug/L	99
33) Benzene	5.767	78	226049	59.183	ug/L	100
34) Trichloroethene	6.536	95	42463	42.637	ug/L	97
35) Methylcyclohexane	6.758	83	71923	41.200	ug/L	99
37) 1,2-Dichloropropane	6.787	63	47445	44.523	ug/L	100
38) Bromodichloromethane	7.099	83	57618	43.448	ug/L	97
39) cis-1,3-Dichloropropene	7.600	75	76644	43.778	ug/L	98
40) 4-Methyl-2-pentanone	7.783	43	107352	98.012	ug/L	99
42) Toluene	7.963	91	183285	44.636	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	71928	44.944	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	43811	45.151	ug/L	97
46) Tetrachloroethene	8.549	164	27298	42.131	ug/L	95
48) 2-Hexanone	8.677	43	90251	98.399	ug/L	98
49) Dibromochloromethane	8.803	129	40732	41.037	ug/L	97
50) 1,2-Dibromoethane	8.918	107	45963	44.455	ug/L	99
51) Chlorobenzene	9.443	112	116752	45.620	ug/L	98
52) Ethylbenzene	9.565	91	206978	44.448	ug/L	99
53) m,p-Xylene	9.690	106	76598	44.072	ug/L	99
54) o-Xylene	10.095	106	74756	43.489	ug/L	99
55) Styrene	10.108	104	131601	45.936	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	75842	47.674	ug/L	99
59) Bromoform	10.285	173	27440	43.107	ug/L	99
60) 1,2,3-Trichloropropane	10.815	75	58106	52.277	ug/L	97
61) Isopropylbenzene	10.478	105	201089	45.500	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	163803	44.775	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	159262	44.663	ug/L	100
64) 1,3-Dichlorobenzene	11.741	146	82062	44.273	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	82914	44.559	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	82508	44.537	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	15824	51.484	ug/L	90
69) 1,3,5-Trichlorobenzene	13.214	180	50738	43.176	ug/L	97
70) 1,2,4-trichlorobenzene	13.835	180	46971	44.484	ug/L	99
71) Naphthalene	14.079	128	169007	47.488	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	45828	45.766	ug/L	99

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

