

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053425.D
 Acq On : 28 Mar 2023 11:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050175

Quant Time: Mar 29 01:07:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 23 02:41:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	214838	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	204999	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	105245	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	90255	45.537	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.080%
7) Chloroethane-d5	1.912	69	71824	44.800	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.600%
11) 1,1-Dichloroethene-d2	2.568	63	150533	43.843	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.680%
21) 2-Butanone-d5	4.623	46	103588	112.686	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.690%
24) Chloroform-d	5.060	84	147320	45.128	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.260%
26) 1,2-Dichloroethane-d4	5.697	65	93604	46.170	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.340%
32) Benzene-d6	5.723	84	286812	43.135	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.260%
36) 1,2-Dichloropropane-d6	6.687	67	98683	45.985	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.960%
41) Toluene-d8	7.893	98	273226	44.135	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.280%
43) trans-1,3-Dichloroprop...	8.176	79	47724	45.073	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.140%
47) 2-Hexanone-d5	8.629	63	58757	87.577	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.580%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	133984	48.196	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	103020	50.554	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	100419	44.780	ug/L	99
3) Chloromethane	1.520	50	106821	51.696	ug/L	99
5) Vinyl chloride	1.604	62	108038	47.796	ug/L	99
6) Bromomethane	1.858	94	63808	46.961	ug/L	98
8) Chloroethane	1.935	64	63823	47.801	ug/L	96
9) Trichlorofluoromethane	2.138	101	133006	47.161	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	80827	47.377	ug/L	96
12) 1,1-Dichloroethene	2.578	96	71571	45.362	ug/L	93
13) Acetone	2.636	43	112403	107.361	ug/L	92
14) Carbon disulfide	2.793	76	192949	40.377	ug/L	100
15) Methyl Acetate	2.948	43	87859	61.224	ug/L	93
16) Methylene chloride	3.044	84	83583	43.668	ug/L	93
17) trans-1,2-Dichloroethene	3.350	96	74008	46.230	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	253983	47.182	ug/L	98
19) 1,1-Dichloroethane	3.864	63	153400	46.943	ug/L	100
20) cis-1,2-Dichloroethene	4.662	96	86536	46.023	ug/L	99
22) 2-Butanone	4.703	43	138911	116.461	ug/L	89
23) Bromochloromethane	4.970	128	43652	48.689	ug/L	93
25) Chloroform	5.083	83	155146	47.445	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	125552	48.639	ug/L	100
29) Cyclohexane	5.385	56	133919	43.842	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	124931	44.710	ug/L	98
31) Carbon tetrachloride	5.523	117	105187	45.949	ug/L	99
33) Benzene	5.771	78	337568	47.497	ug/L	100
34) Trichloroethene	6.539	95	87477	47.205	ug/L	97
35) Methylcyclohexane	6.758	83	134661	41.456	ug/L	94
37) 1,2-Dichloropropane	6.787	63	95891	48.360	ug/L	99
38) Bromodichloromethane	7.102	83	113549	46.016	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	149718	45.958	ug/L	100
40) 4-Methyl-2-pentanone	7.787	43	249440	122.390	ug/L	93
42) Toluene	7.964	91	355678	46.550	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	139881	46.973	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	88838	49.204	ug/L	99
46) Tetrachloroethene	8.549	164	62320	51.690	ug/L	97
48) 2-Hexanone	8.681	43	201796	118.240	ug/L	93
49) Dibromochloromethane	8.806	129	82116	44.460	ug/L	96
50) 1,2-Dibromoethane	8.919	107	95948	49.873	ug/L	98
51) Chlorobenzene	9.443	112	227140	47.698	ug/L	99
52) Ethylbenzene	9.565	91	405426	46.790	ug/L	98
53) m,p-Xylene	9.690	106	148394	45.886	ug/L	98
54) o-Xylene	10.095	106	146857	45.913	ug/L	99
55) Styrene	10.108	104	251496	47.177	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.777	83	151812	51.285	ug/L	98
59) Bromoform	10.285	173	62582	52.252	ug/L	98
60) 1,2,3-Trichloropropane	10.816	75	111897	53.505	ug/L	99
61) Isopropylbenzene	10.478	105	397441	47.795	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	326757	47.472	ug/L	98
63) 1,2,4-Trimethylbenzene	11.462	105	317490	47.321	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	179119	51.361	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	183884	52.522	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	181862	52.174	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	28828	49.849	ug/L	86
69) 1,3,5-Trichlorobenzene	13.214	180	128943	58.317	ug/L	97
70) 1,2,4-trichlorobenzene	13.835	180	118047	59.418	ug/L	98
71) Naphthalene	14.082	128	381798	57.016	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	117319	62.269	ug/L	97

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

