

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032123\
 Data File : VU053314.D
 Acq On : 21 Mar 2023 10:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050169

Quant Time: Mar 22 02:58:52 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	118078	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	109914	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	55334	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	45799	42.043	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.080%
7) Chloroethane-d5	1.912	69	42892	48.678	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.360%
11) 1,1-Dichloroethene-d2	2.568	63	76992	40.800	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.600%
21) 2-Butanone-d5	4.620	46	50835	100.616	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.620%
24) Chloroform-d	5.060	84	78765	43.900	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.697	65	53025	47.587	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.180%
32) Benzene-d6	5.722	84	159184	44.651	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.300%
36) 1,2-Dichloropropane-d6	6.684	67	54014	46.943	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.880%
41) Toluene-d8	7.893	98	148986	44.886	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.780%
43) trans-1,3-Dichloroprop...	8.176	79	25888	45.602	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.200%
47) 2-Hexanone-d5	8.626	63	33956	94.394	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.390%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	74800	50.183	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.360%
66) 1,2-Dichlorobenzene-d4	12.188	152	51580	48.142	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	47113	38.226	ug/L	98
3) Chloromethane	1.520	50	43380	38.197	ug/L	99
5) Vinyl chloride	1.604	62	48376	38.939	ug/L	98
6) Bromomethane	1.858	94	34050	45.596	ug/L	94
8) Chloroethane	1.935	64	33410	45.528	ug/L	98
9) Trichlorofluoromethane	2.137	101	61104	39.420	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	36816	39.264	ug/L	97
12) 1,1-Dichloroethene	2.581	96	32734	37.749	ug/L	97
13) Acetone	2.629	43	48705	84.642	ug/L	96
14) Carbon disulfide	2.793	76	98073	37.340	ug/L	99
15) Methyl Acetate	2.944	43	35427	44.917	ug/L	100
16) Methylene chloride	3.044	84	39428	37.479	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	34542	39.259	ug/L	95
18) Methyl tert-butyl Ether	3.359	73	123958	41.898	ug/L	98
19) 1,1-Dichloroethane	3.864	63	73981	41.192	ug/L	96
20) cis-1,2-Dichloroethene	4.661	96	42328	40.959	ug/L	94
22) 2-Butanone	4.700	43	60142	91.741	ug/L	99
23) Bromochloromethane	4.973	128	19778	40.138	ug/L	90
25) Chloroform	5.083	83	75166	41.823	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	60046	42.324	ug/L	99
29) Cyclohexane	5.385	56	67479	41.202	ug/L	98
30) 1,1,1-Trichloroethane	5.311	97	62136	41.474	ug/L	98
31) Carbon tetrachloride	5.520	117	50708	41.313	ug/L	99
33) Benzene	5.771	78	170964	44.865	ug/L	100
34) Trichloroethene	6.539	95	42092	42.363	ug/L	98
35) Methylcyclohexane	6.758	83	73176	42.015	ug/L	99
37) 1,2-Dichloropropane	6.787	63	47043	44.249	ug/L	100
38) Bromodichloromethane	7.102	83	56386	42.618	ug/L	97
39) cis-1,3-Dichloropropene	7.603	75	75910	43.459	ug/L	98
40) 4-Methyl-2-pentanone	7.783	43	107872	98.716	ug/L	98
42) Toluene	7.967	91	181784	44.373	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	70560	44.192	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	43200	44.625	ug/L	99
46) Tetrachloroethene	8.549	164	26603	41.154	ug/L	97
48) 2-Hexanone	8.681	43	88282	96.477	ug/L	99
49) Dibromochloromethane	8.806	129	39723	40.113	ug/L	100
50) 1,2-Dibromoethane	8.918	107	45643	44.249	ug/L	94
51) Chlorobenzene	9.443	112	114691	44.919	ug/L	100
52) Ethylbenzene	9.565	91	205174	44.164	ug/L	100
53) m,p-Xylene	9.690	106	76012	43.837	ug/L	98
54) o-Xylene	10.095	106	74613	43.507	ug/L	96
55) Styrene	10.111	104	128581	44.986	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	74828	47.146	ug/L	98
59) Bromoform	10.288	173	25754	40.899	ug/L	100
60) 1,2,3-Trichloropropane	10.815	75	55997	50.927	ug/L	98
61) Isopropylbenzene	10.481	105	198643	45.435	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	161821	44.715	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	161533	45.792	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	82301	44.885	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	82215	44.664	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	84276	45.986	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	15336	50.439	ug/L	93
69) 1,3,5-Trichlorobenzene	13.214	180	52709	45.341	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	48874	46.790	ug/L	97
71) Naphthalene	14.082	128	179025	50.850	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	46670	47.114	ug/L	100

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

