

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032323\
 Data File : VU053384.D
 Acq On : 23 Mar 2023 21:13
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050174

Quant Time: Mar 24 12:22:36 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	6.243	114	120926	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	113646	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	55885	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	41004	36.755	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.500%
7) Chloroethane-d5	1.909	69	39158	43.393	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.780%
11) 1,1-Dichloroethene-d2	2.565	63	75076	38.847	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.700%
21) 2-Butanone-d5	4.620	46	67223	129.918	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	129.920%
24) Chloroform-d	5.060	84	76238	41.491	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.980%
26) 1,2-Dichloroethane-d4	5.697	65	50903	44.607	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.220%
32) Benzene-d6	5.722	84	156925	42.572	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.140%
36) 1,2-Dichloropropane-d6	6.687	67	53487	44.959	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.920%
41) Toluene-d8	7.893	98	138172	40.261	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.520%
43) trans-1,3-Dichloroprop...	8.176	79	24523	41.779	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.560%
47) 2-Hexanone-d5	8.626	63	42607	114.553	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.550%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	80303	52.106	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.220%
66) 1,2-Dichlorobenzene-d4	12.188	152	49905	46.119	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	53434	42.333	ug/L	100
3) Chloromethane	1.520	50	56863	48.890	ug/L	99
5) Vinyl chloride	1.604	62	60258	47.361	ug/L	98
6) Bromomethane	1.858	94	37874	49.522	ug/L	96
8) Chloroethane	1.932	64	37046	49.294	ug/L	100
9) Trichlorofluoromethane	2.137	101	73438	46.262	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	42333	44.084	ug/L	98
12) 1,1-Dichloroethene	2.578	96	37804	42.568	ug/L	97
13) Acetone	2.629	43	47894	81.272	ug/L	95
14) Carbon disulfide	2.790	76	105817	39.340	ug/L	100
15) Methyl Acetate	2.944	43	51413	63.650	ug/L	97
16) Methylene chloride	3.041	84	47345	43.945	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	39036	43.322	ug/L	89
18) Methyl tert-butyl Ether	3.356	73	145645	48.069	ug/L	98
19) 1,1-Dichloroethane	3.864	63	87840	47.756	ug/L	96
20) cis-1,2-Dichloroethene	4.661	96	57778	54.592	ug/L	94
22) 2-Butanone	4.697	43	72907	108.593	ug/L	98
23) Bromochloromethane	4.970	128	22593	44.771	ug/L	83
25) Chloroform	5.083	83	87321	47.442	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	71670	49.327	ug/L	99
29) Cyclohexane	5.385	56	76319	45.069	ug/L	96
30) 1,1,1-Trichloroethane	5.311	97	69881	45.112	ug/L	97
31) Carbon tetrachloride	5.520	117	56320	44.378	ug/L	98
33) Benzene	5.767	78	187434	47.572	ug/L	100
34) Trichloroethene	6.536	95	46999	45.749	ug/L	98
35) Methylcyclohexane	6.758	83	76947	42.730	ug/L	98
37) 1,2-Dichloropropane	6.784	63	55736	50.704	ug/L	99
38) Bromodichloromethane	7.102	83	62902	45.981	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	84784	46.946	ug/L	97
40) 4-Methyl-2-pentanone	7.783	43	143026	126.588	ug/L	97
42) Toluene	7.964	91	198457	46.852	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	76072	46.080	ug/L	95
45) 1,1,2-Trichloroethane	8.394	97	49727	49.681	ug/L	98
46) Tetrachloroethene	8.549	164	29965	44.833	ug/L	97
48) 2-Hexanone	8.677	43	110070	116.337	ug/L	99
49) Dibromochloromethane	8.806	129	43549	42.533	ug/L	90
50) 1,2-Dibromoethane	8.918	107	51681	48.457	ug/L	100
51) Chlorobenzene	9.443	112	121418	45.992	ug/L	99
52) Ethylbenzene	9.565	91	217976	45.379	ug/L	100
53) m,p-Xylene	9.690	106	83852	46.770	ug/L	96
54) o-Xylene	10.095	106	82763	46.674	ug/L	98
55) Styrene	10.108	104	137849	46.645	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	87037	53.037	ug/L	97
59) Bromoform	10.285	173	29675	46.661	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	67309	60.612	ug/L	97
61) Isopropylbenzene	10.481	105	215871	48.889	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	175165	47.925	ug/L	98
63) 1,2,4-Trimethylbenzene	11.462	105	169390	47.546	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	88173	47.614	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	86913	46.751	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	90167	48.715	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.989	75	19303	62.860	ug/L	86
69) 1,3,5-Trichlorobenzene	13.214	180	53340	45.431	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	49584	47.002	ug/L	98
71) Naphthalene	14.082	128	190791	53.658	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	49576	49.555	ug/L	96

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

