

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031523\
 Data File : VU053195.D
 Acq On : 15 Mar 2023 12:09
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV010

Quant Time: Mar 16 04:00:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 16 03:54:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	169412	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	167096	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	89067	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	74829	47.878	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.760%
7) Chloroethane-d5	1.916	69	61404	48.571	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.140%
11) 1,1-Dichloroethene-d2	2.568	63	130427	48.173	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.340%
21) 2-Butanone-d5	4.620	46	79533	109.717	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.720%
24) Chloroform-d	5.057	84	134288	52.166	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.340%
26) 1,2-Dichloroethane-d4	5.697	65	85319	53.368	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.740%
32) Benzene-d6	5.722	84	272511	50.281	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.560%
36) 1,2-Dichloropropane-d6	6.687	67	88890	50.817	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.640%
41) Toluene-d8	7.893	98	249998	49.544	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.080%
43) trans-1,3-Dichloroprop...	8.172	79	44159	51.167	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.340%
47) 2-Hexanone-d5	8.626	63	59598	108.980	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.980%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	117767	51.972	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.940%
66) 1,2-Dichlorobenzene-d4	12.188	152	86174	49.968	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	84669	47.881	ug/L	98
3) Chloromethane	1.520	50	79445	48.757	ug/L	100
5) Vinyl chloride	1.604	62	86087	48.297	ug/L	99
6) Bromomethane	1.858	94	54376	50.751	ug/L	98
8) Chloroethane	1.935	64	50953	48.394	ug/L	99
9) Trichlorofluoromethane	2.137	101	106100	47.708	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	63868	47.475	ug/L	99
12) 1,1-Dichloroethene	2.581	96	59752	48.026	ug/L	98
13) Acetone	2.633	43	77168	93.470	ug/L	98
14) Carbon disulfide	2.793	76	185201	49.147	ug/L	100
15) Methyl Acetate	2.948	43	59228	52.340	ug/L	99
16) Methylene chloride	3.044	84	73611	48.770	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	62992	49.900	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	222052	52.311	ug/L	99
19) 1,1-Dichloroethane	3.864	63	127879	49.626	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	76675	51.713	ug/L	92
22) 2-Butanone	4.700	43	96382	102.472	ug/L	100
23) Bromochloromethane	4.970	128	36770	52.010	ug/L	96
25) Chloroform	5.083	83	130780	50.718	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	103356	50.776	ug/L	98
29) Cyclohexane	5.385	56	115915	46.556	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	109483	48.069	ug/L	99
31) Carbon tetrachloride	5.520	117	89706	48.075	ug/L	99
33) Benzene	5.767	78	287517	49.631	ug/L	100
34) Trichloroethene	6.539	95	73074	48.377	ug/L	96
35) Methylcyclohexane	6.758	83	124587	47.054	ug/L	99
37) 1,2-Dichloropropane	6.787	63	80944	50.082	ug/L	100
38) Bromodichloromethane	7.099	83	102067	50.745	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	135189	50.911	ug/L	99
40) 4-Methyl-2-pentanone	7.783	43	170675	102.739	ug/L	99
42) Toluene	7.964	91	306365	49.192	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	125596	51.743	ug/L	99
45) 1,1,2-Trichloroethane	8.394	97	75629	51.389	ug/L	99
46) Tetrachloroethene	8.549	164	47874	48.716	ug/L	99
48) 2-Hexanone	8.677	43	140701	101.143	ug/L	99
49) Dibromochloromethane	8.806	129	76639	50.908	ug/L	97
50) 1,2-Dibromoethane	8.918	107	80426	51.287	ug/L	100
51) Chlorobenzene	9.443	112	193760	49.917	ug/L	99
52) Ethylbenzene	9.565	91	348874	49.397	ug/L	100
53) m,p-Xylene	9.690	106	130738	49.596	ug/L	99
54) o-Xylene	10.095	106	131249	50.342	ug/L	96
55) Styrene	10.108	104	222380	51.178	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	122626	50.822	ug/L	100
59) Bromoform	10.285	173	52153	51.454	ug/L	99
60) 1,2,3-Trichloropropane	10.815	75	91848	51.896	ug/L	98
61) Isopropylbenzene	10.478	105	341247	48.491	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	287550	49.364	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	280670	49.431	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	147575	50.002	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	151981	51.295	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	147567	50.025	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	26293	53.724	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	96203	51.413	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	89714	53.359	ug/L	100
71) Naphthalene	14.079	128	319637	56.404	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	87055	54.599	ug/L	99

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

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