

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041222\
 Data File : VU047970.D
 Acq On : 12 Apr 2022 20:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050195

Quant Time: Apr 13 01:38:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 13 01:28:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	386948	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	400674	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	233198	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	110561	39.401	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.800%
7) Chloroethane-d5	1.916	69	96896	43.794	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.580%
11) 1,1-Dichloroethene-d2	2.572	63	203550	39.649	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.300%
21) 2-Butanone-d5	4.620	46	215315	89.399	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.400%
24) Chloroform-d	5.067	84	232684	45.320	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.640%
26) 1,2-Dichloroethane-d4	5.703	65	143316	45.512	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.020%
32) Benzene-d6	5.729	84	442814	43.921	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.840%
36) 1,2-Dichloropropane-d6	6.690	67	145090	46.859	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.720%
41) Toluene-d8	7.899	98	405996	41.331	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.660%
43) trans-1,3-Dichloroprop...	8.179	79	63301	40.354	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.700%
47) 2-Hexanone-d5	8.632	63	160874	88.754	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.750%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	238366	44.858	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.720%
66) 1,2-Dichlorobenzene-d4	12.192	152	179350	43.229	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	158625	44.217	ug/L	99
3) Chloromethane	1.527	50	166246	48.458	ug/L	100
5) Vinyl chloride	1.607	62	168551	48.172	ug/L	98
6) Bromomethane	1.858	94	100737	53.491	ug/L	99
8) Chloroethane	1.935	64	103927	47.315	ug/L	98
9) Trichlorofluoromethane	2.141	101	219859	44.560	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	128524	45.064	ug/L	97
12) 1,1-Dichloroethene	2.581	96	120137	45.261	ug/L	91
13) Acetone	2.623	43	142987	63.797	ug/L	98
14) Carbon disulfide	2.797	76	331249	39.481	ug/L	100
15) Methyl Acetate	2.948	43	159469	44.620	ug/L	98
16) Methylene chloride	3.047	84	148088	48.620	ug/L	97
17) trans-1,2-Dichloroethene	3.356	96	132518	46.288	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	403393	49.944	ug/L	100
19) 1,1-Dichloroethane	3.871	63	247164	50.058	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	151312	48.209	ug/L	93
22) 2-Butanone	4.700	43	229980	79.656	ug/L	97
23) Bromochloromethane	4.977	128	84392	48.972	ug/L	99
25) Chloroform	5.089	83	259515	48.819	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	198059	48.225	ug/L	98
29) Cyclohexane	5.391	56	195412	48.063	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	217242	47.817	ug/L	100
31) Carbon tetrachloride	5.526	117	182432	44.468	ug/L	100
33) Benzene	5.777	78	575062	49.584	ug/L	100
34) Trichloroethene	6.543	95	145088	47.718	ug/L	99
35) Methylcyclohexane	6.764	83	211554	45.735	ug/L	98
37) 1,2-Dichloropropane	6.790	63	152246	51.639	ug/L	99
38) Bromodichloromethane	7.105	83	194157	47.956	ug/L	100
39) cis-1,3-Dichloropropene	7.607	75	212135	46.372	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	428877	92.039	ug/L	98
42) Toluene	7.970	91	623813	49.021	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	209361	45.836	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	155653	49.779	ug/L	99
46) Tetrachloroethene	8.555	164	124256	45.476	ug/L	100
48) 2-Hexanone	8.684	43	344534	85.956	ug/L	98
49) Dibromochloromethane	8.809	129	162735	44.934	ug/L	100
50) 1,2-Dibromoethane	8.925	107	165677	47.263	ug/L	99
51) Chlorobenzene	9.446	112	416074	48.155	ug/L	99
52) Ethylbenzene	9.571	91	644576	48.174	ug/L	100
53) m,p-Xylene	9.694	106	256849	48.922	ug/L	97
54) o-Xylene	10.102	106	249125	48.347	ug/L	100
55) Styrene	10.115	104	429333	48.801	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	270686	46.176	ug/L	99
59) Bromoform	10.292	173	131208	44.001	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	210895	47.972	ug/L	99
61) Isopropylbenzene	10.484	105	632033	50.149	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	333561	48.779	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	518816	49.949	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	332128	47.412	ug/L	99
65) 1,4-Dichlorobenzene	11.835	146	334284	46.071	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	335453	47.858	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	60278	42.805	ug/L	98
69) 1,3,5-Trichlorobenzene	13.217	180	255698	44.945	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	230068	46.169	ug/L	100
71) Naphthalene	14.086	128	691542	46.547	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	236629	47.368	ug/L	99

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

