

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102021\
 Data File : VU045339.D
 Acq On : 20 Oct 2021 11:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050106

Quant Time: Oct 21 01:54:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 20 02:57:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	315446	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	306377	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	155056	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	59056	42.976	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.960%
7) Chloroethane-d5	1.890	69	58552	44.589	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.180%
11) 1,1-Dichloroethene-d2	2.565	63	122901	44.917	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.840%
21) 2-Butanone-d5	4.626	46	201196	98.089	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.090%
24) Chloroform-d	5.067	84	175378	47.988	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.980%
26) 1,2-Dichloroethane-d4	5.706	65	117946	47.214	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.420%
32) Benzene-d6	5.729	84	282095	48.953	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.900%
36) 1,2-Dichloropropane-d6	6.694	67	111816	49.917	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.840%
41) Toluene-d8	7.902	98	238264	48.475	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.960%
43) trans-1,3-Dichloroprop...	8.182	79	57808	50.841	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.680%
47) 2-Hexanone-d5	8.639	63	155358	110.535	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.540%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	227267	53.667	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.340%
66) 1,2-Dichlorobenzene-d4	12.198	152	138532	51.494	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	104115	45.275	ug/L	99
3) Chloromethane	1.520	50	116608	44.810	ug/L	100
5) Vinyl chloride	1.604	62	128521	44.651	ug/L	99
6) Bromomethane	1.829	94	53504	35.128	ug/L	98
8) Chloroethane	1.912	64	85183	47.113	ug/L	97
9) Trichlorofluoromethane	2.125	101	155516	44.419	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	103314	46.428	ug/L	99
12) 1,1-Dichloroethene	2.575	96	93920	45.783	ug/L	97
13) Acetone	2.629	43	191658	80.251	ug/L	100
14) Carbon disulfide	2.790	76	253508	44.957	ug/L	99
15) Methyl Acetate	2.951	43	134922	45.561	ug/L	100
16) Methylene chloride	3.047	84	121881	46.131	ug/L	99
17) trans-1,2-Dichloroethene	3.353	96	100716	45.766	ug/L	95
18) Methyl tert-butyl Ether	3.369	73	372486	48.537	ug/L	99
19) 1,1-Dichloroethane	3.871	63	210781	46.807	ug/L	99
20) cis-1,2-Dichloroethene	4.668	96	120734	47.892	ug/L	99
22) 2-Butanone	4.706	43	229840	87.268	ug/L	100
23) Bromochloromethane	4.977	128	58034	46.745	ug/L	98
25) Chloroform	5.092	83	212587	46.375	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	172259	47.049	ug/L	100
29) Cyclohexane	5.388	56	178964	49.193	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	171957	47.569	ug/L	100
31) Carbon tetrachloride	5.526	117	132442	47.447	ug/L	100
33) Benzene	5.777	78	464490	48.699	ug/L	100
34) Trichloroethene	6.546	95	112007	47.624	ug/L	98
35) Methylcyclohexane	6.768	83	182089	49.289	ug/L	100
37) 1,2-Dichloropropane	6.796	63	126660	48.825	ug/L	99
38) Bromodichloromethane	7.112	83	160502	47.834	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	191523	49.313	ug/L	97
40) 4-Methyl-2-pentanone	7.796	43	405254	102.432	ug/L	100
42) Toluene	7.973	91	489894	49.235	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	184608	49.711	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	122153	49.131	ug/L	97
46) Tetrachloroethene	8.558	164	77921	47.822	ug/L	96
48) 2-Hexanone	8.690	43	339356	101.604	ug/L	98
49) Dibromochloromethane	8.816	129	119923	49.521	ug/L	99
50) 1,2-Dibromoethane	8.928	107	124051	48.459	ug/L	100
51) Chlorobenzene	9.452	112	304692	48.348	ug/L	99
52) Ethylbenzene	9.574	91	534880	49.536	ug/L	100
53) m,p-Xylene	9.697	106	205293	50.045	ug/L	99
54) o-xylene	10.105	106	207942	50.522	ug/L	97
55) Styrene	10.118	104	362406	52.028	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	229848	52.328	ug/L	100
59) Bromoform	10.295	173	88983	52.350	ug/L	98
60) 1,2,3-Trichloropropane	10.828	75	181385	50.945	ug/L	99
61) Isopropylbenzene	10.488	105	541090	51.104	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	466269	53.228	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	475606	53.626	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	237055	49.444	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	236884	48.709	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	244058	50.356	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.002	75	48786	49.207	ug/L	97
69) 1,3,5-Trichlorobenzene	13.224	180	165830	50.264	ug/L	100
70) 1,2,4-trichlorobenzene	13.844	180	136595	49.390	ug/L	98
71) Naphthalene	14.089	128	501174	54.214	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	139354	50.438	ug/L	98

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

