

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040522\
 Data File : VU047816.D
 Acq On : 05 Apr 2022 10:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050187

Quant Time: Apr 06 03:31:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 02 01:06:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	384313	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	391029	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	242225	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	126405	45.357	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.720%
7) Chloroethane-d5	1.916	69	103777	47.226	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.460%
11) 1,1-Dichloroethene-d2	2.571	63	221444	43.430	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.860%
21) 2-Butanone-d5	4.626	46	188863	78.954	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.950%
24) Chloroform-d	5.067	84	228758	44.861	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.720%
26) 1,2-Dichloroethane-d4	5.706	65	138702	44.349	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.700%
32) Benzene-d6	5.732	84	451783	45.916	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.840%
36) 1,2-Dichloropropane-d6	6.694	67	138703	45.901	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.800%
41) Toluene-d8	7.902	98	433430	45.213	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.420%
43) trans-1,3-Dichloroprop...	8.182	79	66091	43.172	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.340%
47) 2-Hexanone-d5	8.636	63	145318	82.150	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.150%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	223179	43.036	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.080%
66) 1,2-Dichlorobenzene-d4	12.195	152	188174	43.666	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	164231	46.094	ug/L	100
3) Chloromethane	1.523	50	165522	48.577	ug/L	100
5) Vinyl chloride	1.607	62	166030	47.777	ug/L	99
6) Bromomethane	1.858	94	87324	46.687	ug/L	100
8) Chloroethane	1.935	64	102549	47.008	ug/L	98
9) Trichlorofluoromethane	2.141	101	224967	45.908	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	136269	48.107	ug/L	96
12) 1,1-Dichloroethene	2.584	96	122888	46.615	ug/L	89
13) Acetone	2.629	43	218863	98.320	ug/L	98
14) Carbon disulfide	2.800	76	355799	42.698	ug/L	100
15) Methyl Acetate	2.951	43	154021	43.391	ug/L	99
16) Methylene chloride	3.051	84	146698	48.493	ug/L	97
17) trans-1,2-Dichloroethene	3.359	96	132844	46.720	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	390855	48.723	ug/L	100
19) 1,1-Dichloroethane	3.874	63	239164	48.770	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	151974	48.752	ug/L	98
22) 2-Butanone	4.706	43	259801	90.602	ug/L	99
23) Bromochloromethane	4.980	128	84227	49.212	ug/L	98
25) Chloroform	5.092	83	258542	48.969	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	197088	48.317	ug/L	98
29) Cyclohexane	5.395	56	192914	48.619	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	214663	48.414	ug/L	99
31) Carbon tetrachloride	5.530	117	188718	47.135	ug/L	100
33) Benzene	5.777	78	559568	49.439	ug/L	100
34) Trichloroethene	6.546	95	146913	49.510	ug/L	98
35) Methylcyclohexane	6.767	83	225599	49.974	ug/L	100
37) 1,2-Dichloropropane	6.793	63	146938	51.068	ug/L	99
38) Bromodichloromethane	7.108	83	195679	49.524	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	219439	49.152	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	410727	90.318	ug/L	99
42) Toluene	7.973	91	625278	50.348	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	212981	47.779	ug/L	97
45) 1,1,2-Trichloroethane	8.404	97	151728	49.721	ug/L	98
46) Tetrachloroethene	8.555	164	131667	49.377	ug/L	99
48) 2-Hexanone	8.687	43	357393	91.364	ug/L	99
49) Dibromochloromethane	8.812	129	170598	48.267	ug/L	99
50) 1,2-Dibromoethane	8.925	107	164849	48.186	ug/L	100
51) Chlorobenzene	9.449	112	414128	49.112	ug/L	99
52) Ethylbenzene	9.574	91	651576	49.898	ug/L	99
53) m,p-Xylene	9.697	106	263695	51.465	ug/L	99
54) o-Xylene	10.102	106	251746	50.061	ug/L	100
55) Styrene	10.118	104	443892	51.701	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.783	83	268498	46.933	ug/L	98
59) Bromoform	10.295	173	142562	46.027	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	206882	45.306	ug/L	99
61) Isopropylbenzene	10.488	105	661046	50.496	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	345263	48.609	ug/L	100
63) 1,2,4-Trimethylbenzene	11.471	105	540752	50.120	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	347995	47.826	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	352834	46.815	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	351485	48.277	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	61014	41.713	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	286212	48.433	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	253422	48.960	ug/L	100
71) Naphthalene	14.089	128	745099	48.283	ug/L	99
72) 1,2,3-Trichlorobenzene	14.333	180	258977	49.910	ug/L	100

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

