

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041822\
 Data File : VU048109.D
 Acq On : 18 Apr 2022 10:16
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050086

Quant Time: Apr 19 03:32:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 16 00:34:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	375052	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	392395	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	227634	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	132901	48.865	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.740%
7) Chloroethane-d5	1.916	69	110446	51.501	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.000%
11) 1,1-Dichloroethene-d2	2.572	63	224512	45.119	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.240%
21) 2-Butanone-d5	4.626	46	201087	86.140	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.140%
24) Chloroform-d	5.067	84	239177	48.062	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.120%
26) 1,2-Dichloroethane-d4	5.703	65	143692	47.079	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.160%
32) Benzene-d6	5.729	84	477538	48.364	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.720%
36) 1,2-Dichloropropane-d6	6.694	67	150975	49.789	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.580%
41) Toluene-d8	7.899	98	452228	47.009	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.020%
43) trans-1,3-Dichloroprop...	8.179	79	69901	45.502	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.000%
47) 2-Hexanone-d5	8.636	63	153309	86.365	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.370%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	227014	43.623	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.240%
66) 1,2-Dichlorobenzene-d4	12.195	152	186998	46.174	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.340%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	144373	41.521	ug/L	99
3) Chloromethane	1.523	50	135665	40.798	ug/L	99
5) Vinyl chloride	1.607	62	147499	43.492	ug/L	99
6) Bromomethane	1.858	94	69765	38.220	ug/L	97
8) Chloroethane	1.935	64	94392	44.337	ug/L	99
9) Trichlorofluoromethane	2.141	101	204435	42.748	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	128095	46.338	ug/L	97
12) 1,1-Dichloroethene	2.584	96	113938	44.287	ug/L	89
13) Acetone	2.633	43	184660	85.003	ug/L	99
14) Carbon disulfide	2.797	76	297647	36.601	ug/L	100
15) Methyl Acetate	2.951	43	157404	45.439	ug/L	97
16) Methylene chloride	3.051	84	137643	46.624	ug/L	98
17) trans-1,2-Dichloroethene	3.356	96	120218	43.323	ug/L	95
18) Methyl tert-butyl Ether	3.366	73	363687	46.456	ug/L	99
19) 1,1-Dichloroethane	3.874	63	231794	48.434	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	140721	46.257	ug/L	96
22) 2-Butanone	4.707	43	243972	87.182	ug/L	96
23) Bromochloromethane	4.977	128	79664	47.695	ug/L	98
25) Chloroform	5.089	83	248642	48.257	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	183542	46.108	ug/L	98
29) Cyclohexane	5.391	56	168733	42.377	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	206744	46.466	ug/L	100
31) Carbon tetrachloride	5.530	117	179676	44.720	ug/L	100
33) Benzene	5.777	78	535972	47.189	ug/L	100
34) Trichloroethene	6.546	95	134751	45.253	ug/L	97
35) Methylcyclohexane	6.764	83	190625	42.080	ug/L	98
37) 1,2-Dichloropropane	6.793	63	144828	50.159	ug/L	100
38) Bromodichloromethane	7.108	83	189300	47.743	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	206572	46.108	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	405297	88.813	ug/L	98
42) Toluene	7.970	91	586397	47.053	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	206927	46.259	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	146683	47.900	ug/L	99
46) Tetrachloroethene	8.555	164	119464	44.644	ug/L	99
48) 2-Hexanone	8.684	43	344052	87.647	ug/L	99
49) Dibromochloromethane	8.813	129	166788	47.025	ug/L	100
50) 1,2-Dibromoethane	8.925	107	159937	46.588	ug/L	100
51) Chlorobenzene	9.449	112	391002	46.208	ug/L	100
52) Ethylbenzene	9.571	91	586236	44.738	ug/L	100
53) m,p-Xylene	9.694	106	239374	46.556	ug/L	99
54) o-Xylene	10.102	106	218895	43.377	ug/L	99
55) Styrene	10.115	104	388253	45.063	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	256057	44.602	ug/L	100
59) Bromoform	10.292	173	134776	46.302	ug/L	100
60) 1,2,3-Trichloropropane	10.822	75	196022	45.679	ug/L	99
61) Isopropylbenzene	10.484	105	568953	46.247	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	294214	44.077	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	463155	45.680	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	321441	47.008	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	324251	45.780	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	325944	47.638	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	60334	43.892	ug/L	96
69) 1,3,5-Trichlorobenzene	13.221	180	251146	45.223	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	215318	44.265	ug/L	100
71) Naphthalene	14.086	128	582510	40.167	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	216789	44.457	ug/L	99

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

