

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041522\
 Data File : VU048094.D
 Acq On : 15 Apr 2022 10:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050084

Quant Time: Apr 16 00:29:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 15 05:02:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	326438	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	337612	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	201927	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	78983	33.365	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.740%
7) Chloroethane-d5	1.909	69	79793	42.749	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.500%
11) 1,1-Dichloroethene-d2	2.572	63	174166	40.214	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.420%
21) 2-Butanone-d5	4.620	46	208556	102.644	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.640%
24) Chloroform-d	5.067	84	208322	48.096	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.200%
26) 1,2-Dichloroethane-d4	5.703	65	130213	49.016	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.040%
32) Benzene-d6	5.729	84	394500	46.438	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.880%
36) 1,2-Dichloropropane-d6	6.694	67	132489	50.782	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.560%
41) Toluene-d8	7.899	98	361022	43.618	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.240%
43) trans-1,3-Dichloroprop...	8.179	79	52379	39.628	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.260%
47) 2-Hexanone-d5	8.632	63	151845	99.421	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.420%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	226123	50.503	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	165409	46.043	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	144819	47.852	ug/L	100
3) Chloromethane	1.523	50	156498	54.072	ug/L	99
5) Vinyl chloride	1.607	62	149294	50.577	ug/L	99
6) Bromomethane	1.851	94	69008	43.435	ug/L	99
8) Chloroethane	1.932	64	98473	53.142	ug/L	98
9) Trichlorofluoromethane	2.138	101	207240	49.788	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	127963	53.184	ug/L	98
12) 1,1-Dichloroethene	2.581	96	116741	52.135	ug/L	82
13) Acetone	2.623	43	140759	74.444	ug/L	99
14) Carbon disulfide	2.797	76	318983	45.067	ug/L	99
15) Methyl Acetate	2.948	43	168841	55.999	ug/L	97
16) Methylene chloride	3.047	84	147507	57.406	ug/L	97
17) trans-1,2-Dichloroethene	3.356	96	124775	51.662	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	383646	56.304	ug/L	99
19) 1,1-Dichloroethane	3.871	63	241883	58.069	ug/L	100
20) cis-1,2-Dichloroethene	4.668	96	146588	55.361	ug/L	97
22) 2-Butanone	4.700	43	225806	92.707	ug/L	96
23) Bromochloromethane	4.977	128	81245	55.885	ug/L	97
25) Chloroform	5.089	83	253378	56.500	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	189411	54.668	ug/L	97
29) Cyclohexane	5.391	56	183163	53.465	ug/L	96
30) 1,1,1-Trichloroethane	5.321	97	208779	54.538	ug/L	98
31) Carbon tetrachloride	5.526	117	179661	51.973	ug/L	100
33) Benzene	5.777	78	558748	57.177	ug/L	100
34) Trichloroethene	6.542	95	138584	54.092	ug/L	98
35) Methylcyclohexane	6.764	83	198541	50.939	ug/L	98
37) 1,2-Dichloropropane	6.793	63	147972	59.564	ug/L	100
38) Bromodichloromethane	7.108	83	189457	55.536	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	195910	50.824	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	420409	107.074	ug/L	98
42) Toluene	7.970	91	599726	55.931	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	187520	48.723	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	151638	57.554	ug/L	99
46) Tetrachloroethene	8.555	164	120215	52.215	ug/L	99
48) 2-Hexanone	8.684	43	333644	98.788	ug/L	99
49) Dibromochloromethane	8.812	129	164306	53.842	ug/L	100
50) 1,2-Dibromoethane	8.925	107	162774	55.108	ug/L	99
51) Chlorobenzene	9.449	112	414667	56.956	ug/L	99
52) Ethylbenzene	9.571	91	622448	55.209	ug/L	98
53) m,p-Xylene	9.697	106	246675	55.761	ug/L	98
54) o-Xylene	10.102	106	241650	55.656	ug/L	99
55) Styrene	10.115	104	423505	57.131	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	269096	54.480	ug/L	98
59) Bromoform	10.292	173	134382	52.044	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	205759	54.052	ug/L	98
61) Isopropylbenzene	10.488	105	609750	55.873	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	307594	51.948	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	496199	55.169	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	330995	54.568	ug/L	100
65) 1,4-Dichlorobenzene	11.838	146	340953	54.267	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	337089	55.540	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.999	75	60104	49.291	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	246332	50.004	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	222803	51.635	ug/L	99
71) Naphthalene	14.089	128	642901	49.975	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	227104	52.502	ug/L	99

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

