

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022321\
 Data File : VU042411.D
 Acq On : 23 Feb 2021 10:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050162

Quant Time: Feb 24 03:49:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020521WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 06 07:13:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	220005	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	210806	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	118149	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	75915	45.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.70%
7) Chloroethane-d5	1.916	69	62257	54.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.66%
11) 1,1-Dichloroethene-d2	2.575	63	172583	48.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.68%
21) 2-Butanone-d5	4.639	46	169134	98.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.73%
24) Chloroform-d	5.073	84	168777	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.52%
26) 1,2-Dichloroethane-d4	5.713	65	118302	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.58%
32) Benzene-d6	5.739	84	298782	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
36) 1,2-Dichloropropane-d6	6.700	67	100166	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.92%
41) Toluene-d8	7.906	98	289348	49.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.74%
43) trans-1,3-Dichloroprop...	8.185	79	53173	49.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.98%
47) 2-Hexanone-d5	8.645	63	110547	95.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.56%
56) 1,1,2,2-Tetrachloroeth...	10.767	84	150421	49.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.78%
66) 1,2-Dichlorobenzene-d4	12.201	152	122165	49.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.62%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	88362	47.92	ug/L	100
3) Chloromethane	1.523	50	82553	49.04	ug/L	99
5) Vinyl chloride	1.607	62	82748	49.58	ug/L	99
6) Bromomethane	1.864	94	50594	54.14	ug/L	100
8) Chloroethane	1.938	64	52396	57.17	ug/L	98
9) Trichlorofluoromethane	2.144	101	134747	52.33	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	78235	50.72	ug/L	99
12) 1,1-Dichloroethene	2.588	96	69827	49.44	ug/L	94
13) Acetone	2.645	43	139943	90.44	ug/L	98
14) Carbon disulfide	2.800	76	204699	48.14	ug/L	100
15) Methyl Acetate	2.957	43	115560	48.56	ug/L	100
16) Methylene chloride	3.054	84	78773	49.32	ug/L	99
17) trans-1,2-Dichloroethene	3.362	96	74462	50.60	ug/L	98
18) Methyl tert-butyl Ether	3.372	73	264570	49.97	ug/L	99
19) 1,1-Dichloroethane	3.880	63	150375	49.31	ug/L	99
20) cis-1,2-Dichloroethene	4.678	96	82002	49.58	ug/L	99
22) 2-Butanone	4.719	43	191909	95.77	ug/L	98
23) Bromochloromethane	4.986	128	44464	50.63	ug/L	93
25) Chloroform	5.099	83	155142	50.13	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.806	62	139031	50.81	ug/L	99
29) Cyclohexane	5.398	56	134479	47.88	ug/L	99
30) 1,1,1-Trichloroethane	5.327	97	141943	49.21	ug/L	100
31) Carbon tetrachloride	5.536	117	123231	49.67	ug/L	98
33) Benzene	5.784	78	312224	48.44	ug/L	100
34) Trichloroethene	6.552	95	84694	50.15	ug/L	97
35) Methylcyclohexane	6.771	83	129476	49.76	ug/L	98
37) 1,2-Dichloropropane	6.800	63	88301	48.93	ug/L	99
38) Bromodichloromethane	7.115	83	120140	49.53	ug/L	98
39) cis-1,3-Dichloropropene	7.616	75	140304	49.92	ug/L	99
40) 4-Methyl-2-pentanone	7.803	43	347040	97.39	ug/L	99
42) Toluene	7.976	91	344103	49.97	ug/L	99
44) trans-1,3-Dichloropropene	8.218	75	140044	50.58	ug/L	100
45) 1,1,2-Trichloroethane	8.411	97	80667	48.73	ug/L	97
46) Tetrachloroethene	8.562	164	69631	52.18	ug/L	98
48) 2-Hexanone	8.697	43	278822	96.65	ug/L	100
49) Dibromochloromethane	8.819	129	96944	50.28	ug/L	99
50) 1,2-Dibromoethane	8.931	107	92573	49.88	ug/L	98
51) Chlorobenzene	9.455	112	218798	50.07	ug/L	98
52) Ethylbenzene	9.578	91	388845	50.71	ug/L	99
53) m,p-Xylene	9.703	106	143106	50.07	ug/L	100
54) o-xylene	10.108	106	144905	50.98	ug/L	100
55) Styrene	10.124	104	243003	50.00	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.793	83	147569	48.98	ug/L	100
59) Bromoform	10.301	173	80991	48.88	ug/L	100
60) 1,2,3-Trichloropropane	10.832	75	124546	47.83	ug/L	100
61) Isopropylbenzene	10.494	105	389940	49.58	ug/L	99
62) 1,3,5-Trimethylbenzene	11.095	105	336755	49.48	ug/L	99
63) 1,2,4-Trimethylbenzene	11.475	105	339924	49.58	ug/L	100
64) 1,3-Dichlorobenzene	11.754	146	183806	49.56	ug/L	100
65) 1,4-Dichlorobenzene	11.844	146	184038	48.72	ug/L	99
67) 1,2-Dichlorobenzene	12.221	146	187075	49.08	ug/L	98
68) 1,2-Dibromo-3-chloropr...	13.005	75	41754	48.19	ug/L	99
69) 1,3,5-Trichlorobenzene	13.227	180	145566	50.92	ug/L	100
70) 1,2,4-trichlorobenzene	13.848	180	124875	52.08	ug/L	99
71) Naphthalene	14.095	128	386769	51.09	ug/L	100
72) 1,2,3-Trichlorobenzene	14.340	180	124083	50.90	ug/L	99

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

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