

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042122\
 Data File : VU048162.D
 Acq On : 21 Apr 2022 09:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050092

Quant Time: Apr 22 01:43:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 21 02:37:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	335357	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	348615	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	200316	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	121236	49.853	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.700%
7) Chloroethane-d5	1.912	69	98500	51.368	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.740%
11) 1,1-Dichloroethene-d2	2.572	63	210089	47.218	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.440%
21) 2-Butanone-d5	4.623	46	198973	95.323	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.320%
24) Chloroform-d	5.067	84	229171	51.502	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.000%
26) 1,2-Dichloroethane-d4	5.706	65	135979	49.826	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.660%
32) Benzene-d6	5.732	84	451807	51.505	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.000%
36) 1,2-Dichloropropane-d6	6.694	67	144704	53.713	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.420%
41) Toluene-d8	7.899	98	416240	48.702	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.400%
43) trans-1,3-Dichloroprop...	8.182	79	60180	44.093	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.180%
47) 2-Hexanone-d5	8.636	63	141894	89.973	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.970%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	229098	49.552	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.100%
66) 1,2-Dichlorobenzene-d4	12.195	152	175056	49.120	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	133390	42.903	ug/L	100
3) Chloromethane	1.523	50	144513	48.603	ug/L	99
5) Vinyl chloride	1.607	62	149829	49.409	ug/L	98
6) Bromomethane	1.855	94	62051	38.018	ug/L	98
8) Chloroethane	1.935	64	91394	48.010	ug/L	95
9) Trichlorofluoromethane	2.141	101	196987	46.066	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	124238	50.262	ug/L	99
12) 1,1-Dichloroethene	2.584	96	112905	49.081	ug/L	85
13) Acetone	2.629	43	144808	74.548	ug/L	98
14) Carbon disulfide	2.797	76	283899	39.043	ug/L	99
15) Methyl Acetate	2.951	43	163767	52.871	ug/L	96
16) Methylene chloride	3.051	84	144433	54.715	ug/L	99
17) trans-1,2-Dichloroethene	3.359	96	120440	48.541	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	368933	52.704	ug/L	98
19) 1,1-Dichloroethane	3.874	63	237107	55.409	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	139946	51.447	ug/L	95
22) 2-Butanone	4.703	43	228988	91.513	ug/L	96
23) Bromochloromethane	4.977	128	80417	53.845	ug/L	97
25) Chloroform	5.092	83	253773	55.083	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.797	62	184668	51.881	ug/L	97
29) Cyclohexane	5.391	56	167920	47.469	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	206977	52.360	ug/L	99
31) Carbon tetrachloride	5.526	117	175448	49.152	ug/L	99
33) Benzene	5.777	78	546572	54.166	ug/L	100
34) Trichloroethene	6.546	95	134246	50.745	ug/L	99
35) Methylcyclohexane	6.768	83	179830	44.682	ug/L	97
37) 1,2-Dichloropropane	6.793	63	148022	57.703	ug/L	100
38) Bromodichloromethane	7.108	83	188655	53.555	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	192487	48.360	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	413782	102.060	ug/L	99
42) Toluene	7.973	91	583057	52.661	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	191778	48.257	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	151114	55.545	ug/L	99
46) Tetrachloroethene	8.555	164	113185	47.610	ug/L	98
48) 2-Hexanone	8.687	43	331878	95.163	ug/L	99
49) Dibromochloromethane	8.812	129	161835	51.359	ug/L	99
50) 1,2-Dibromoethane	8.925	107	157280	51.567	ug/L	98
51) Chlorobenzene	9.449	112	412161	54.825	ug/L	99
52) Ethylbenzene	9.571	91	580644	49.876	ug/L	100
53) m,p-Xylene	9.697	106	237880	52.075	ug/L	97
54) o-Xylene	10.102	106	231153	51.558	ug/L	99
55) Styrene	10.118	104	401615	52.468	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	268637	52.670	ug/L	98
59) Bromoform	10.291	173	132957	51.906	ug/L	99
60) 1,2,3-Trichloropropane	10.825	75	208348	55.173	ug/L	98
61) Isopropylbenzene	10.488	105	582682	53.822	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	289958	49.363	ug/L	100
63) 1,2,4-Trimethylbenzene	11.468	105	466276	52.259	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	316399	52.581	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	335153	53.773	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	334744	55.597	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	60943	50.381	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	237128	48.522	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	206862	48.326	ug/L	99
71) Naphthalene	14.089	128	609314	47.745	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	218948	51.023	ug/L	100

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

