

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082521\
 Data File : VV021939.D
 Acq On : 25 Aug 2021 09:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050315

Quant Time: Aug 26 05:14:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM081621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 24 02:24:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	410080	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	388589	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	217315	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	119457	37.262	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.520%		
7) Chloroethane-d5	1.561	69	98178	40.582	ug/L	0.01
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.160%		
11) 1,1-Dichloroethene-d2	2.105	63	207024	40.569	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.140%		
21) 2-Butanone-d5	3.870	46	186483	93.529	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.530%		
24) Chloroform-d	4.346	84	243428	43.827	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.660%		
26) 1,2-Dichloroethane-d4	5.031	65	145633	45.583	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.160%		
32) Benzene-d6	5.047	84	495249	44.320	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.640%		
36) 1,2-Dichloropropane-d6	6.069	67	155264	44.618	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.240%		
41) Toluene-d8	7.314	98	472209	45.720	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.440%		
43) trans-1,3-Dichloroprop...	7.622	79	76390	44.605	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.220%		
47) 2-Hexanone-d5	8.088	63	127301	111.617	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	111.620%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	213055	49.407	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.820%		
66) 1,2-Dichlorobenzene-d4	11.625	152	198496	44.136	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.280%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	153188	48.285	ug/L	100
3) Chloromethane	1.240	50	156265	47.428	ug/L	99
5) Vinyl chloride	1.311	62	155102	47.807	ug/L	99
6) Bromomethane	1.513	94	99113	50.826	ug/L	98
8) Chloroethane	1.581	64	96662	49.859	ug/L	99
9) Trichlorofluoromethane	1.748	101	217644	48.962	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	127148	49.960	ug/L	98
12) 1,1-Dichloroethene	2.114	96	116495	48.057	ug/L	96
13) Acetone	2.156	43	214065	130.481	ug/L #	100
14) Carbon disulfide	2.291	76	389644	47.772	ug/L	99
15) Methyl Acetate	2.423	43	159178	52.814	ug/L	99
16) Methylene chloride	2.503	84	156132	46.305	ug/L	99
17) trans-1,2-Dichloroethene	2.757	96	145207	51.048	ug/L	98
18) Methyl tert-butyl Ether	2.767	73	448773	51.299	ug/L	99
19) 1,1-Dichloroethane	3.185	63	255764	50.511	ug/L	98
20) cis-1,2-Dichloroethene	3.908	96	156988	47.661	ug/L	98
22) 2-Butanone	3.954	43	265705	111.209	ug/L	100
23) Bromochloromethane	4.243	128	84663	48.446	ug/L	98
25) Chloroform	4.371	83	269381	49.443	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	183133	47.707	ug/L	98
29) Cyclohexane	4.674	56	224757	46.963	ug/L	100
30) 1,1,1-Trichloroethane	4.606	97	233727	48.068	ug/L	99
31) Carbon tetrachloride	4.825	117	204712	48.655	ug/L	100
33) Benzene	5.098	78	572941	47.913	ug/L	100
34) Trichloroethene	5.912	95	156948	45.673	ug/L	99
35) Methylcyclohexane	6.130	83	243528	48.576	ug/L	98
37) 1,2-Dichloropropane	6.172	63	143016	47.233	ug/L	99
38) Bromodichloromethane	6.506	83	192204	48.162	ug/L	99
39) cis-1,3-Dichloropropene	7.024	75	233407	48.681	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	395675	94.998	ug/L	99
42) Toluene	7.387	91	618737	48.446	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	217319	48.096	ug/L	100
45) 1,1,2-Trichloroethane	7.838	97	148422	48.932	ug/L	98
46) Tetrachloroethene	7.976	164	127147	49.787	ug/L	98
48) 2-Hexanone	8.137	43	340836	105.642	ug/L	100
49) Dibromochloromethane	8.246	129	164020	48.976	ug/L	97
50) 1,2-Dibromoethane	8.352	107	160151	48.518	ug/L	100
51) Chlorobenzene	8.883	112	406060	48.696	ug/L	99
52) Ethylbenzene	9.011	91	663563	48.700	ug/L	100
53) m,p-Xylene	9.137	106	259612	49.163	ug/L	100
54) o-Xylene	9.545	106	256862	49.072	ug/L	100
55) Styrene	9.561	104	445742	50.853	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.243	83	224930	53.268	ug/L	100
59) Bromoform	9.731	173	117304	45.408	ug/L	100
60) Isopropylbenzene	9.931	105	683862	46.938	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	181016	45.073	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	573278	46.889	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	590150	47.473	ug/L	100
64) 1,3-Dichlorobenzene	11.182	146	339386	48.102	ug/L	99
65) 1,4-Dichlorobenzene	11.275	146	335724	47.670	ug/L	99
67) 1,2-Dichlorobenzene	11.645	146	337813	47.462	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	45781	46.887	ug/L	94
69) 1,3,5-Trichlorobenzene	12.648	180	254824	49.825	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	220095	51.312	ug/L	100
71) Naphthalene	13.503	128	643090	51.614	ug/L	100
72) 1,2,3-Trichlorobenzene	13.747	180	218965	50.816	ug/L	98

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

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