

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV083021\
 Data File : VV022015.D
 Acq On : 30 Aug 2021 19:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050321

Quant Time: Aug 31 02:41:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 31 02:34:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	365579	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	351599	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	196348	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	99910	39.464	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.920%
7) Chloroethane-d5	1.561	69	85646	43.320	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.640%
11) 1,1-Dichloroethene-d2	2.108	63	194246	46.393	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.780%
21) 2-Butanone-d5	3.876	46	175843	101.276	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.280%
24) Chloroform-d	4.349	84	219493	47.548	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.100%
26) 1,2-Dichloroethane-d4	5.034	65	129195	47.514	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.020%
32) Benzene-d6	5.050	84	441266	46.271	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.540%
36) 1,2-Dichloropropane-d6	6.072	67	139839	46.627	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.260%
41) Toluene-d8	7.317	98	418671	46.507	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.020%
43) trans-1,3-Dichloroprop...	7.622	79	64026	44.853	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.700%
47) 2-Hexanone-d5	8.088	63	125627	109.169	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.170%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	205462	53.491	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.980%
66) 1,2-Dichlorobenzene-d4	11.625	152	174929	45.319	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	114362	45.509	ug/L	99
3) Chloromethane	1.240	50	122674	46.102	ug/L	97
5) Vinyl chloride	1.307	62	127508	47.543	ug/L	100
6) Bromomethane	1.513	94	73570	45.626	ug/L	98
8) Chloroethane	1.581	64	80193	47.797	ug/L	100
9) Trichlorofluoromethane	1.748	101	189520	49.622	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	111043	49.570	ug/L	99
12) 1,1-Dichloroethene	2.114	96	104961	49.775	ug/L	92
13) Acetone	2.159	43	109908	75.550	ug/L #	75
14) Carbon disulfide	2.291	76	302080	47.475	ug/L	99
15) Methyl Acetate	2.426	43	144417	50.976	ug/L	99
16) Methylene chloride	2.507	84	138400	48.987	ug/L	99
17) trans-1,2-Dichloroethene	2.761	96	124181	48.705	ug/L	99
18) Methyl tert-butyl Ether	2.767	73	390131	48.152	ug/L	99
19) 1,1-Dichloroethane	3.188	63	225456	49.648	ug/L	100
20) cis-1,2-Dichloroethene	3.912	96	139849	49.281	ug/L	99
22) 2-Butanone	3.960	43	188999	92.424	ug/L	100
23) Bromochloromethane	4.249	128	74418	49.242	ug/L	98
25) Chloroform	4.378	83	235760	49.044	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.134	62	161475	50.111	ug/L	99
29) Cyclohexane	4.677	56	184053	46.828	ug/L	99
30) 1,1,1-Trichloroethane	4.609	97	201320	48.177	ug/L	100
31) Carbon tetrachloride	4.831	117	172885	48.155	ug/L	100
33) Benzene	5.101	78	501904	49.064	ug/L	100
34) Trichloroethene	5.915	95	129063	44.542	ug/L	98
35) Methylcyclohexane	6.130	83	189252	44.677	ug/L	99
37) 1,2-Dichloropropane	6.175	63	130999	49.402	ug/L	100
38) Bromodichloromethane	6.510	83	165819	48.899	ug/L	98
39) cis-1,3-Dichloropropene	7.027	75	199645	48.766	ug/L	98
40) 4-Methyl-2-pentanone	7.227	43	367415	102.205	ug/L	100
42) Toluene	7.391	91	544681	49.334	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	183134	48.063	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	131391	48.699	ug/L	98
46) Tetrachloroethene	7.979	164	105235	46.707	ug/L	98
48) 2-Hexanone	8.140	43	278116	99.710	ug/L	99
49) Dibromochloromethane	8.249	129	145094	50.240	ug/L	99
50) 1,2-Dibromoethane	8.355	107	143646	49.608	ug/L	98
51) Chlorobenzene	8.883	112	358711	48.324	ug/L	100
52) Ethylbenzene	9.014	91	581398	48.646	ug/L	99
53) m,p-Xylene	9.140	106	223742	48.164	ug/L	99
54) o-Xylene	9.545	106	221697	48.233	ug/L	98
55) Styrene	9.561	104	395277	50.392	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.243	83	221895	56.763	ug/L	99
59) Bromoform	9.735	173	102944	49.364	ug/L	99
60) Isopropylbenzene	9.934	105	588173	47.673	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	166698	48.986	ug/L	100
62) 1,3,5-Trimethylbenzene	10.542	105	489075	47.218	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	501999	47.682	ug/L	100
64) 1,3-Dichlorobenzene	11.185	146	292052	46.623	ug/L	98
65) 1,4-Dichlorobenzene	11.275	146	295170	46.049	ug/L	99
67) 1,2-Dichlorobenzene	11.645	146	296496	47.669	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.429	75	42347	51.634	ug/L	97
69) 1,3,5-Trichlorobenzene	12.648	180	211013	45.050	ug/L	100
70) 1,2,4-trichlorobenzene	13.265	180	188259	45.689	ug/L	100
71) Naphthalene	13.503	128	583666	49.243	ug/L	99
72) 1,2,3-Trichlorobenzene	13.747	180	192238	47.833	ug/L	100

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

