

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122322\
 Data File : VX033553.D
 Acq On : 23 Dec 2022 10:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050612

Quant Time: Dec 24 00:24:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML122222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 23 04:40:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	216095	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	197723	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	103012	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	51267	44.599	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.200%
7) Chloroethane-d5	1.672	69	42741	47.542	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.080%
11) 1,1-Dichloroethene-d2	2.312	63	87327	47.581	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.160%
21) 2-Butanone-d5	4.458	46	86689	103.817	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.820%
24) Chloroform-d	5.056	84	143003	50.180	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.360%
26) 1,2-Dichloroethane-d4	5.952	65	91480	51.773	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.540%
32) Benzene-d6	5.970	84	264211	46.789	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.580%
36) 1,2-Dichloropropane-d6	7.305	67	80440	48.759	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.520%
41) Toluene-d8	8.647	98	257782	47.036	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.080%
43) trans-1,3-Dichloroprop...	8.951	79	39159	49.099	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.200%
47) 2-Hexanone-d5	9.384	63	67648	100.025	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.030%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	114521	50.625	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.240%
66) 1,2-Dichlorobenzene-d4	12.323	152	104343	48.830	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	31296	60.004	ug/L	99
3) Chloromethane	1.294	50	33551	51.235	ug/L	98
5) Vinyl chloride	1.373	62	42517	49.135	ug/L	95
6) Bromomethane	1.617	94	25542	49.617	ug/L	98
8) Chloroethane	1.691	64	29067	50.491	ug/L	99
9) Trichlorofluoromethane	1.892	101	74003	51.675	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	44835	49.206	ug/L	99
12) 1,1-Dichloroethene	2.318	96	39495	48.204	ug/L	96
13) Acetone	2.392	43	45954	85.676	ug/L	99
14) Carbon disulfide	2.514	76	123968	49.723	ug/L	99
15) Methyl Acetate	2.709	43	51317	47.852	ug/L	97
16) Methylene chloride	2.788	84	56561	46.113	ug/L	100
17) trans-1,2-Dichloroethene	3.093	96	55276	45.546	ug/L	97
18) Methyl tert-butyl Ether	3.111	73	182187	47.365	ug/L	98
19) 1,1-Dichloroethane	3.611	63	101866	48.360	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	64943	45.657	ug/L	97
22) 2-Butanone	4.562	43	81493	92.257	ug/L	98
23) Bromochloromethane	4.903	128	34360	45.128	ug/L	98
25) Chloroform	5.092	83	118507	48.418	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	94599	50.668	ug/L	97
29) Cyclohexane	5.470	56	88039	45.560	ug/L	100
30) 1,1,1-Trichloroethane	5.385	97	107335	46.679	ug/L	99
31) Carbon tetrachloride	5.678	117	95339	46.720	ug/L	99
33) Benzene	6.037	78	239453	45.569	ug/L	100
34) Trichloroethene	7.122	95	66047	45.076	ug/L	98
35) Methylcyclohexane	7.379	83	101095	47.078	ug/L	97
37) 1,2-Dichloropropane	7.427	63	60719	46.858	ug/L	100
38) Bromodichloromethane	7.817	83	92040	48.131	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	96222	45.702	ug/L	100
40) 4-Methyl-2-pentanone	8.573	43	156548	97.552	ug/L	99
42) Toluene	8.720	91	274345	46.193	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	94135	47.621	ug/L	98
45) 1,1,2-Trichloroethane	9.153	97	65370	46.604	ug/L	98
46) Tetrachloroethene	9.275	164	55206	44.641	ug/L	96
48) 2-Hexanone	9.427	43	123005	96.506	ug/L	99
49) Dibromochloromethane	9.518	129	77984	47.608	ug/L	97
50) 1,2-Dibromoethane	9.610	107	69345	45.798	ug/L	100
51) Chlorobenzene	10.079	112	181341	46.013	ug/L	99
52) Ethylbenzene	10.195	91	312170	47.978	ug/L	100
53) m,p-Xylene	10.299	106	122336	47.140	ug/L	97
54) o-Xylene	10.640	106	121321	47.800	ug/L	98
55) Styrene	10.652	104	207980	48.621	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	99449	48.486	ug/L	100
59) Bromoform	10.799	173	56535	47.132	ug/L	99
60) Isopropylbenzene	10.963	105	326423	47.923	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	76628	47.229	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	276486	47.784	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	270331	47.520	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	145816	46.869	ug/L	99
65) 1,4-Dichlorobenzene	12.042	146	146277	46.480	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	143652	46.788	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	20987	48.116	ug/L	93
69) 1,3,5-Trichlorobenzene	13.115	180	101458	48.738	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	88684	47.033	ug/L	100
71) Naphthalene	13.780	128	298883	48.515	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	91149	48.440	ug/L	99

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

