

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121623\
 Data File : VX039254.D
 Acq On : 16 Dec 2023 01:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050704

Quant Time: Dec 16 01:55:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 12 03:50:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	202161	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	192349	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	96534	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	66709	42.071	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.140%
7) Chloroethane-d5	1.666	69	52446	44.748	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.500%
11) 1,1-Dichloroethene-d2	2.306	65	33800	48.561	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.120%
21) 2-Butanone-d5	4.446	46	158728	110.587	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.590%
24) Chloroform-d	5.062	84	150178	53.502	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.000%
26) 1,2-Dichloroethane-d4	5.952	65	101936	56.075	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.140%
32) Benzene-d6	5.970	84	284097	47.858	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.720%
36) 1,2-Dichloropropane-d6	7.306	67	94311	49.367	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.740%
41) Toluene-d8	8.647	98	249279	46.338	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.680%
43) trans-1,3-Dichloroprop...	8.952	79	45317	46.614	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.220%
47) 2-Hexanone-d5	9.384	63	117899	103.327	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.330%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	143903	53.099	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.200%
66) 1,2-Dichlorobenzene-d4	12.317	152	90051	49.352	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	81945	50.828	ug/L	100
3) Chloromethane	1.294	50	84417	50.096	ug/L	99
5) Vinyl chloride	1.374	62	79097	47.626	ug/L	98
6) Bromomethane	1.605	94	47244	52.702	ug/L	97
8) Chloroethane	1.685	64	44544	47.442	ug/L	98
9) Trichlorofluoromethane	1.886	101	111370	51.742	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	68936	49.790	ug/L	97
12) 1,1-Dichloroethene	2.319	96	66930	51.392	ug/L	96
13) Acetone	2.374	43	98430	71.385	ug/L	95
14) Carbon disulfide	2.514	76	198112	47.804	ug/L	100
15) Methyl Acetate	2.703	43	105865	53.715	ug/L	99
16) Methylene chloride	2.788	84	78860	52.703	ug/L	97
17) trans-1,2-Dichloroethene	3.093	96	70981	51.728	ug/L	93
18) Methyl tert-butyl Ether	3.111	73	261448	54.738	ug/L	98
19) 1,1-Dichloroethane	3.611	63	143149	52.760	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	81100	50.955	ug/L	95
22) 2-Butanone	4.550	43	152293	89.996	ug/L	100
23) Bromochloromethane	4.897	128	38969	52.085	ug/L	98
25) Chloroform	5.093	83	149290	55.165	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	125605	58.805	ug/L	95
29) Cyclohexane	5.471	56	122141	45.393	ug/L	97
30) 1,1,1-Trichloroethane	5.385	97	122248	52.381	ug/L	98
31) Carbon tetrachloride	5.678	117	97928	50.293	ug/L	99
33) Benzene	6.037	78	301630	49.345	ug/L	100
34) Trichloroethene	7.123	95	81268	50.307	ug/L	98
35) Methylcyclohexane	7.379	83	116603	43.340	ug/L	98
37) 1,2-Dichloropropane	7.427	63	84038	49.572	ug/L	100
38) Bromodichloromethane	7.818	83	107082	51.932	ug/L	96
39) cis-1,3-Dichloropropene	8.366	75	130589	48.298	ug/L	99
40) 4-Methyl-2-pentanone	8.568	43	292069	102.796	ug/L	98
42) Toluene	8.720	91	317753	49.020	ug/L	98
44) trans-1,3-Dichloropropene	8.976	75	126424	50.385	ug/L	98
45) 1,1,2-Trichloroethane	9.153	97	79382	51.096	ug/L	97
46) Tetrachloroethene	9.275	164	50873	47.739	ug/L	96
48) 2-Hexanone	9.427	43	230559	96.954	ug/L	98
49) Dibromochloromethane	9.519	129	76713	50.685	ug/L	98
50) 1,2-Dibromoethane	9.610	107	86025	51.685	ug/L	100
51) Chlorobenzene	10.079	112	198164	49.492	ug/L	97
52) Ethylbenzene	10.195	91	357558	49.341	ug/L	100
53) m,p-Xylene	10.299	106	130908	48.316	ug/L	99
54) o-Xylene	10.640	106	126308	48.583	ug/L	97
55) Styrene	10.653	104	221783	49.857	ug/L	91
57) 1,1,2,2-Tetrachloroethane	11.213	83	137624	50.759	ug/L	99
59) Bromoform	10.799	173	53849	47.463	ug/L	98
60) Isopropylbenzene	10.963	105	346787	49.163	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	109746	51.897	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	293564	49.296	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	287434	49.223	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	147065	48.710	ug/L	97
65) 1,4-Dichlorobenzene	12.043	146	148122	48.415	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	141580	49.022	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.939	75	34527	52.315	ug/L	94
69) 1,3,5-Trichlorobenzene	13.109	180	94873	47.516	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	89410	47.501	ug/L	97
71) Naphthalene	13.774	128	320489	49.647	ug/L	100
72) 1,2,3-Trichlorobenzene	13.957	180	87334	47.918	ug/L	98

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

