

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050924\
 Data File : VX041444.D
 Acq On : 09 May 2024 19:01
 Operator : JC/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050738

Quant Time: May 09 23:43:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML050924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 23:24:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	236438	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	228764	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	128839	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.373	65	73193	54.582	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 109.160%	
7) Chloroethane-d5	1.648	69	55599	56.512	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 113.020%	
11) 1,1-Dichloroethene-d2	2.294	65	33228	49.233	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 98.460%	
21) 2-Butanone-d5	4.470	46	130884	130.919	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 130.920%#	
24) Chloroform-d	5.056	84	171922	57.978	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 115.960%	
26) 1,2-Dichloroethane-d4	5.952	65	110829	51.955	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 103.920%	
32) Benzene-d6	5.970	84	327476	52.400	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 104.800%	
36) 1,2-Dichloropropane-d6	7.305	67	96281	51.849	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 103.700%	
41) Toluene-d8	8.647	98	302411	46.850	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 93.700%	
43) trans-1,3-Dichloroprop...	8.951	79	46460	49.940	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 99.880%	
47) 2-Hexanone-d5	9.384	63	94382	109.074	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 109.070%	
56) 1,1,2,2-Tetrachloroeth...	11.189	84	153860	52.650	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 105.300%	
66) 1,2-Dichlorobenzene-d4	12.317	152	138318	52.541	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 105.080%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	79851	49.052	ug/L	100
3) Chloromethane	1.294	50	76017	54.753	ug/L	99
5) Vinyl chloride	1.373	62	76443	53.456	ug/L	97
6) Bromomethane	1.599	94	54474	54.653	ug/L	99
8) Chloroethane	1.666	64	44452	54.289	ug/L	100
9) Trichlorofluoromethane	1.867	101	128382	50.989	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.318	101	69743	45.097	ug/L	99
12) 1,1-Dichloroethene	2.306	96	67102	48.847	ug/L	98
13) Acetone	2.392	43	73816	71.916	ug/L	100
14) Carbon disulfide	2.501	76	157360	47.524	ug/L	100
15) Methyl Acetate	2.709	43	88236	50.936	ug/L	98
16) Methylene chloride	2.788	84	76507	50.181	ug/L	97
17) trans-1,2-Dichloroethene	3.087	96	75421	53.425	ug/L	96
18) Methyl tert-butyl Ether	3.117	73	270650	56.192	ug/L	99
19) 1,1-Dichloroethane	3.605	63	150392	57.531	ug/L	98
20) cis-1,2-Dichloroethene	4.483	96	93280	57.240	ug/L	98
22) 2-Butanone	4.568	43	136965	106.868	ug/L	98
23) Bromochloromethane	4.903	128	49608	57.202	ug/L	98
25) Chloroform	5.092	83	161183	57.102	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	132992	56.541	ug/L	98
29) Cyclohexane	5.464	56	122856	48.298	ug/L	100
30) 1,1,1-Trichloroethane	5.379	97	139589	51.841	ug/L	100
31) Carbon tetrachloride	5.671	117	114800	48.026	ug/L	99
33) Benzene	6.037	78	305718	47.761	ug/L	100
34) Trichloroethene	7.122	95	83371	47.550	ug/L	94
35) Methylcyclohexane	7.378	83	121848	44.849	ug/L	100
37) 1,2-Dichloropropane	7.427	63	84703	52.550	ug/L	100
38) Bromodichloromethane	7.823	83	113767	52.217	ug/L	99
39) cis-1,3-Dichloropropene	8.366	75	122654	45.949	ug/L	99
40) 4-Methyl-2-pentanone	8.573	43	262260	101.101	ug/L	99
42) Toluene	8.714	91	344187	49.276	ug/L	97
44) trans-1,3-Dichloropropene	8.976	75	123867	49.762	ug/L	99
45) 1,1,2-Trichloroethane	9.153	97	87259	48.957	ug/L	98
46) Tetrachloroethene	9.274	164	78415	46.732	ug/L	97
48) 2-Hexanone	9.433	43	211287	101.668	ug/L	99
49) Dibromochloromethane	9.518	129	93981	52.161	ug/L	100
50) 1,2-Dibromoethane	9.610	107	96534	52.055	ug/L	97
51) Chlorobenzene	10.079	112	233859	50.205	ug/L	98
52) Ethylbenzene	10.195	91	374341	48.844	ug/L	99
53) m,p-Xylene	10.299	106	150431	49.070	ug/L	96
54) o-Xylene	10.640	106	144423	46.230	ug/L	100
55) Styrene	10.652	104	243589	46.690	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	150748	50.973	ug/L	99
59) Bromoform	10.799	173	80978	53.709	ug/L	99
60) Isopropylbenzene	10.963	105	390319	49.653	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	117235	53.230	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	268613	50.577	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	335254	52.100	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	203202	50.811	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	202653	49.781	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	211637	51.104	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.938	75	30954	52.231	ug/L	87
69) 1,3,5-Trichlorobenzene	13.115	180	147716	49.488	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	139672	51.242	ug/L	99
71) Naphthalene	13.774	128	448062	55.074	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	139157	48.963	ug/L	100

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

