

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061422\
 Data File : VX029457.D
 Acq On : 14 Jun 2022 10:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050757

Quant Time: Jun 15 05:36:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML061322WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 14 06:26:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	387489	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	357306	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	189438	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	122251	40.748	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.500%
7) Chloroethane-d5	1.666	69	96881	51.961	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.920%
11) 1,1-Dichloroethene-d2	2.306	63	239525	44.312	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.620%
21) 2-Butanone-d5	4.458	46	229932	101.082	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.080%
24) Chloroform-d	5.062	84	270322	47.191	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.380%
26) 1,2-Dichloroethane-d4	5.958	65	166923	45.072	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.140%
32) Benzene-d6	5.976	84	512397	45.911	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.820%
36) 1,2-Dichloropropane-d6	7.312	67	159999	48.946	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.900%
41) Toluene-d8	8.653	98	466732	44.358	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.720%
43) trans-1,3-Dichloroprop...	8.952	79	75968	47.130	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.260%
47) 2-Hexanone-d5	9.384	63	187328	105.951	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.950%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	248397	51.823	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.640%
66) 1,2-Dichlorobenzene-d4	12.323	152	187482	47.603	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	199547	53.671	ug/L	99
3) Chloromethane	1.294	50	179736	51.546	ug/L	98
5) Vinyl chloride	1.374	62	180765	53.557	ug/L	98
6) Bromomethane	1.611	94	76629	48.388	ug/L	97
8) Chloroethane	1.691	64	103245	59.657	ug/L	96
9) Trichlorofluoromethane	1.886	101	250016	51.804	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	157411	55.395	ug/L	98
12) 1,1-Dichloroethene	2.319	96	142841	54.367	ug/L	82
13) Acetone	2.386	43	179223	118.215	ug/L	93
14) Carbon disulfide	2.514	76	385663	53.527	ug/L	99
15) Methyl Acetate	2.703	43	160082	53.227	ug/L	92
16) Methylene chloride	2.788	84	157067	53.945	ug/L	92
17) trans-1,2-Dichloroethene	3.093	96	152947	54.356	ug/L	99
18) Methyl tert-butyl Ether	3.117	73	493899	52.403	ug/L	97
19) 1,1-Dichloroethane	3.611	63	268518	54.025	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	171843	54.033	ug/L	94
22) 2-Butanone	4.562	43	251959	110.398	ug/L	95
23) Bromochloromethane	4.897	128	84025	53.381	ug/L	95
25) Chloroform	5.092	83	295521	53.769	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	219660	52.309	ug/L	100
29) Cyclohexane	5.470	56	260926	54.711	ug/L	93
30) 1,1,1-Trichloroethane	5.385	97	257612	51.986	ug/L	98
31) Carbon tetrachloride	5.678	117	210633	52.953	ug/L	100
33) Benzene	6.037	78	639056	54.694	ug/L	100
34) Trichloroethene	7.129	95	179122	43.498	ug/L	97
35) Methylcyclohexane	7.379	83	293506	56.458	ug/L	97
37) 1,2-Dichloropropane	7.434	63	156037	54.778	ug/L	99
38) Bromodichloromethane	7.824	83	216029	53.281	ug/L	97
39) cis-1,3-Dichloropropene	8.366	75	252137	55.382	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	457746	107.504	ug/L	93
42) Toluene	8.720	91	703184	55.228	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	230548	53.987	ug/L	99
45) 1,1,2-Trichloroethane	9.153	97	164660	54.727	ug/L	99
46) Tetrachloroethene	9.275	164	129034	54.588	ug/L	97
48) 2-Hexanone	9.433	43	359739	109.069	ug/L #	92
49) Dibromochloromethane	9.525	129	167397	53.363	ug/L	98
50) 1,2-Dibromoethane	9.610	107	173134	53.921	ug/L	97
51) Chlorobenzene	10.079	112	444835	55.037	ug/L	98
52) Ethylbenzene	10.195	91	783012	56.193	ug/L	100
53) m,p-Xylene	10.305	106	307018	56.130	ug/L	94
54) o-Xylene	10.640	106	302398	56.055	ug/L	98
55) Styrene	10.659	104	518844	57.207	ug/L	93
57) 1,1,2,2-Tetrachloroethane	11.213	83	258516	55.444	ug/L	100
59) Bromoform	10.799	173	108331	51.359	ug/L	100
60) Isopropylbenzene	10.963	105	805314	54.426	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	207832	52.454	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	691200	54.697	ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	687792	54.817	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	340139	55.492	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	342332	55.325	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	338506	54.754	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	56720	52.049	ug/L	94
69) 1,3,5-Trichlorobenzene	13.115	180	238774	56.926	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	215889	57.149	ug/L	98
71) Naphthalene	13.774	128	784062	56.356	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	210562	55.176	ug/L	99

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

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