

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110821\
 Data File : VX025107.D
 Acq On : 08 Nov 2021 19:50
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050701

Quant Time: Nov 09 04:21:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML110821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 09 03:59:51 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/09/2021
 Supervised By : Mahesh Dadoda 11/09/2021

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	159248	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	10.055	117	147204	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	69153	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	67919	47.167	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.340%		
7) Chloroethane-d5	1.666	69	53218	58.952	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	117.900%		
11) 1,1-Dichloroethene-d2	2.306	63	132743	47.859	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.720%		
21) 2-Butanone-d5	4.459	46	109129	110.272	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	110.270%		
24) Chloroform-d	5.068	84	135753	47.954	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.900%		
26) 1,2-Dichloroethane-d4	5.964	65	96253	51.974	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.940%		
32) Benzene-d6	5.983	84	220501	42.070	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.140%		
36) 1,2-Dichloropropane-d6	7.312	67	72873	47.185	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.380%		
41) Toluene-d8	8.653	98	210205	47.710	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.420%		
43) trans-1,3-Dichloroprop...	8.952	79	42034	50.995	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	101.980%		
47) 2-Hexanone-d5	9.391	63	76741m	116.328	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	116.330%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	103941	48.621	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.240%		
66) 1,2-Dichlorobenzene-d4	12.323	152	67936	50.120	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.240%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	75877	46.123	ug/L	99
3) Chloromethane	1.288	50	65227	56.418	ug/L	89
5) Vinyl chloride	1.374	62	71047	51.782	ug/L	97
6) Bromomethane	1.611	94	57297	65.483	ug/L	97
8) Chloroethane	1.685	64	42703	53.397	ug/L	99
9) Trichlorofluoromethane	1.886	101	118865	46.910	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	57577	44.540	ug/L #	83
12) 1,1-Dichloroethene	2.319	96	49416	43.467	ug/L #	66
13) Acetone	2.386	43	78326	80.435	ug/L	88
14) Carbon disulfide	2.514	76	124348	42.129	ug/L	100
15) Methyl Acetate	2.709	43	72098	53.547	ug/L #	78
16) Methylene chloride	2.794	84	56957	44.557	ug/L #	74
17) trans-1,2-Dichloroethene	3.099	96	49055	42.506	ug/L	93
18) Methyl tert-butyl Ether	3.117	73	210427	47.016	ug/L #	86
19) 1,1-Dichloroethane	3.611	63	113490	47.094	ug/L	96
20) cis-1,2-Dichloroethene	4.495	96	58207	43.550	ug/L #	67
22) 2-Butanone	4.562	43	107476	92.928	ug/L	80
23) Bromochloromethane	4.910	128	26487	42.088	ug/L #	50
25) Chloroform	5.105	83	123751	46.523	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	110588	53.826	ug/L	99
29) Cyclohexane	5.477	56	97532	43.289	ug/L #	71
30) 1,1,1-Trichloroethane	5.385	97	113522	42.570	ug/L #	88
31) Carbon tetrachloride	5.684	117	89815	41.994	ug/L	98
33) Benzene	6.044	78	233043	42.073	ug/L	100
34) Trichloroethene	7.129	95	68782	48.750	ug/L	96
35) Methylcyclohexane	7.385	83	97441	46.431	ug/L #	86
37) 1,2-Dichloropropane	7.434	63	63293	49.206	ug/L #	97
38) Bromodichloromethane	7.824	83	93495	48.589	ug/L #	90
39) cis-1,3-Dichloropropene	8.372	75	101155	48.723	ug/L	99
40) 4-Methyl-2-pentanone	8.580	43	224126	111.823	ug/L #	76
42) Toluene	8.720	91	261455	49.583	ug/L	99
44) trans-1,3-Dichloropropene	8.982	75	106244	51.040	ug/L	94
45) 1,1,2-Trichloroethane	9.153	97	58921	49.664	ug/L	92
46) Tetrachloroethene	9.275	164	36980	47.332	ug/L	95
48) 2-Hexanone	9.433	43	171568	104.021	ug/L #	79
49) Dibromochloromethane	9.525	129	61012	48.471	ug/L	99
50) 1,2-Dibromoethane	9.616	107	63447	50.098	ug/L	95
51) Chlorobenzene	10.086	112	150196	48.628	ug/L	91
52) Ethylbenzene	10.195	91	297186	52.420	ug/L	95
53) m,p-Xylene	10.305	106	100314	48.645	ug/L	90
54) o-Xylene	10.646	106	100463	51.481	ug/L	87
55) Styrene	10.659	104	173336	51.021	ug/L	94
57) 1,1,2,2-Tetrachloroethane	11.213	83	103170	48.618	ug/L #	93
59) Bromoform	10.805	173	37227	45.804	ug/L #	96
60) Isopropylbenzene	10.963	105	283226	49.133	ug/L	97
61) 1,2,3-Trichloropropane	11.244	75	89441	53.334	ug/L #	90
62) 1,3,5-Trimethylbenzene	11.457	105	243759	51.057	ug/L	100
63) 1,2,4-Trimethylbenzene	11.756	105	251713	53.759	ug/L	100
64) 1,3-Dichlorobenzene	11.975	146	104404	50.021	ug/L	98
65) 1,4-Dichlorobenzene	12.043	146	106007	49.957	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	106588	49.487	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.945	75	26414	50.719	ug/L	93
69) 1,3,5-Trichlorobenzene	13.116	180	69100	46.176	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	61600	48.064	ug/L	98
71) Naphthalene	13.780	128	253664	55.007	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	62501	49.709	ug/L	98

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

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